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2.1 Security Classification: U
2.2 DC/RO: *(Name, Z Number, Organization, Signature, Date)*

3.0 CHECKING
3.1 Checker (Note 1): *(Name, Z Number (if applicable), Organization, Signature, Date)* Robert Reid, 094883, AET-1

4.0 INDEPENDENT REVIEW
4.1 Independent Review: Required ☒ Not Required ☐
4.2 Independent Reviewer: *(Name, Z Number (if applicable), Organization, Signature, Date)* Rod Linn, 107949, EES-16

Note 1: *Independent Reviewer can also be the calculation Checker if the scope of the independent review also includes the scope of calculation checking as described in Section 3.0 of the instructions.*

5.0 FACILITY DESIGN AUTHORITY REPRESENTATIVE REVIEW
5.1 Facility Design Authority Representative Review: Required ☒ Not Required ☐
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6.3 Responsible Manager: *(Name, Z Number, Organization, Signature, Date)* Donald Quintana, 106301, AET-1

7.0 REGISTERED PROFESSIONAL ENGINEER SEAL:

8.0 REVISION LOG

8.1 Rev.	8.2 Date	8.3 Description of Change(s)
0	4/21/2016	Original Issue
1	7/29/2016	• A not up-to-date version of Appendix B was included in the original issue and the correct version is now attached. • An additional simulation was completed which included a close-proximity cable fire input flux to the Perma-Con® exterior. The results are included in Rev. 1.

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1.0 Purpose

AET-1 was tasked by ADEM with determining the temperature rise in the drum contents of drums stored in the Dome 375 Perma-Con® at TA-54 given a wildland fire. The wildland fire causes radiative and convective heating on the Perma-Con® exterior. The wildland fire time histories for the radiative and convective heating environment were provided to AET-1 by EES-16. If the calculated temperature rise results in a drum content temperature over 40 °C, then ADEM desires a design solution to ensure the peak temperature remains below 40 °C.

2.0 Methodology

Microsoft Excel spreadsheets with time history columns for gas temperature (the air temperature around the Perma-Con®), convective heating environment and radiative heat flux were generated by EES-16. Three separate time histories were provided, with each being seen as having the potential to be a worst case wildland fire scenario. AET-1 then generated a Finite Element (FE) model using ANSYS Workbench 17.0. The time history information was input into the FE model as transient boundary conditions on the Perma-Con® exterior and the FE model was solved. The temperature results of the drum contents were then checked to see if temperatures exceeded the 40 °C limit.

3.0 Acceptance Criteria

ADEM required that the post wildland fire temperature results of the drum contents remain below 40 °C. If that temperature is exceeded, a design solution that ensures the peak temperature remains below 40 °C is required.

4.0 Open Items

None.

5.0 Assumptions

The following assumptions were made to simplify this analysis:

a. The Perma-Con®, drum, drum contents and concrete floor slab can be modeled using axi-symmetry.
    i. This is a conservative assumption as the axi-symmetric geometry limits the distance between the drum and the Perma-Con® interior wall as well as reduces the thermal mass associated with an array of drums and the thermally radiative area of the concrete floor slab.
b. The initial temperature used for the analysis is 23.89 °C (75 °F).
    i. This is the maximum allowable temperature of the drums per AREAG-ESS-14-002-R5 (Reference 1).
c. The exterior emissivity of the Perma-Con® is taken as 1.
    i. This is a conservative assumption as the calculated blended (panel, steel frame, door, etc.) emissivity of the Perma-Con® exterior is 0.393. The reasoning is that the Perma-Con® is covered in dust, ash and soot which has an emissivity near 1.
d. The drum is not in physical contact with the concrete floor slab.
    i. This is a conservative assumption as physical contact between the drum and floor slab would allow the concrete floor slab to cool the drum by conduction.
e. Free air is not modeled inside the Perma-Con®.

   i. The inclusion of free air inside the Perma-Con® would allow for conduction from the Perma-Con® wall to the drum and would allow for convective heat transfer to/from the drum by the temperature gradient driven buoyancy of the air. The thermal properties (conductivity and specific heat) of air are orders of magnitude less than those of the other materials (steel and concrete) present in the analysis. That fact, coupled with the short time duration of the wildfire induced heating of the Perma-Con®, render the inclusion of air in the model unnecessary.

f. Natural convection of the drum air is not modeled.
   i. The thermal properties (conductivity and specific heat) of air are orders of magnitude less than those of the other materials (steel and concrete) present in the analysis. That fact, coupled with the short time duration of the wildfire induced heating of the Perma-Con®, render the inclusion of natural convection of the drum air in the model unnecessary.

g. After the wildfire event has passed a natural convection coefficient, h, value of 5 W/m^2*K is assumed on all Perma-Con® exterior surfaces to simulate buoyancy driven cooling on the surfaces.
   i. This is considered conservative as there would be some wind (forced convection) and depending on the temperature rise of the Perma-Con®, the value for h could be as high 7 W/m^2*K.

h. After the wildland fire, a 2,000 W/m^2 radiative flux is assumed as a residual heat flux from the environment for an additional 91 seconds. The total duration of the wildland fire from when the peak flux rises beyond 2,000 W/m^2 and then declines down to 2,000 W/m^2 is 91 seconds.
   i. This is considered a conservative assumption since the majority of fuel near the Perma-Con® location is grass, which is not cable of producing long lasting embers.

6.0 Limitations

1. The input time histories for the radiative and convective heat transfer were provided to AET-1 by EES-16 (References 2, 3, 4 and 5). Any questions about how these time histories were derived should be directed towards Rod Linn and Eunmo Koo of EES-16. The values used in this calculation are included as Appendix B.
2. The property values for the drum contents were determined by Southwest Research Institute and documented in a report dated September 23, 2015 (Reference 6). This report is included as Appendix C.
3. The emissivity values for the Perma-Con® were measured by Bob Reid of AET-1. These values were documented in Memo #: AET-1-16-003 (Reference 7) and are included in Appendix D.
4. All emissivity values used in the calculation are room temperature values and do not vary with temperature.

7.0 Calculation Inputs

The axi-symmetric FE model geometry, dimensions and boundary conditions are shown in Figure 1.

Overall Drum Height = 34.9 in
Drum Air Height = 26.2 in
Drum Contents Height = 8.7 in

Drum OR = 12.0 in
Drum Wall Thickness = 0.05 in

SWB Height = 35.4 in
SWB OR= 12.26 in

SWB Wall Thickness = 10 GA (0.134 in)

Perma-Con® Height = 144 in
Perma-Con® Wall Thickness = 0.25 in

Concrete Height = 6 in
Concrete OR = 51.3 in

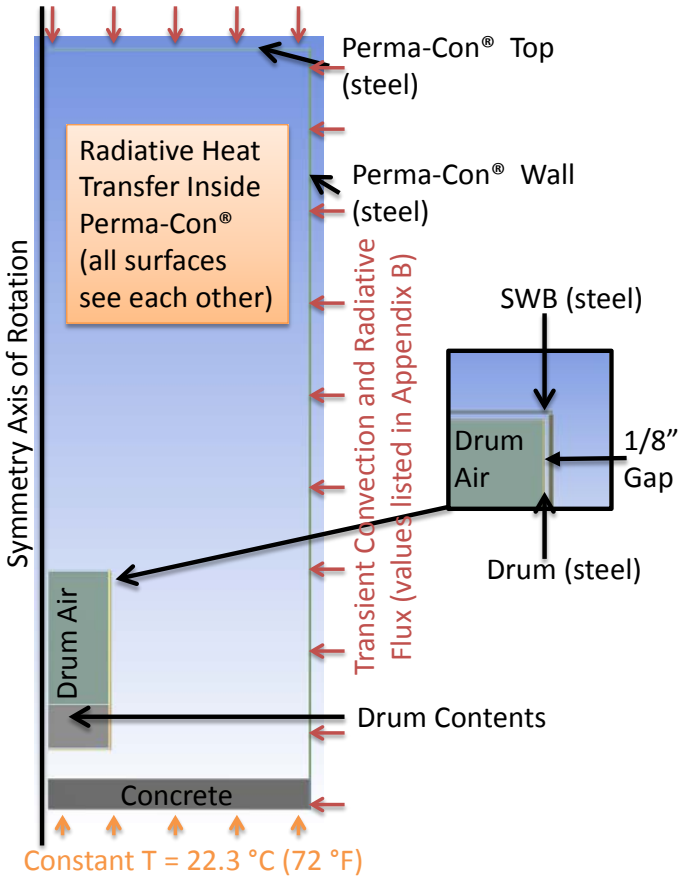


Figure 1: FE Model Geometry and Dimensions

The initial temperature for all objects in the model is 23.89 °C.

The material properties used in the model for air, steel (Permacon, drum and SWB), concrete and the drum contents are shown in Figure 2. The drum content material properties were taken from Reference 5.

Room Steel > Constants

Density	7854 kg m^-3

Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Room Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Drum Contents > Constants

Density	1160 kg m^-3

Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

Figure 2: Material Properties

The transient wildland fire boundary conditions are provided in Appendix B. These values include air temperature, convection coefficient and radiative flux, which are all boundary conditions applied to exterior of the Perma-Con® as shown in Figure 1.

Emissivity values for the white paint on the drum/SWB and the concrete were taken from Reference 8 and were input as the constant values shown in Figure 3.

Surface	Emissivity
Drum & SWB (white paint)	0.9
Concrete	0.93
Perma-Con® (interior)	0.393
Perma-Con® (exterior)	1

Figure 3: Emissivity Values

Emissivity values for the Perma-Con® exterior were measured as documented in Reference 7. As mentioned in Section 5 above, the emissivity of the Perma-Con® exterior was conservatively assumed to be 1 due to dust and ash covering the Perma-Con® exterior. For the interior a blended emissivity was calculated to avoid creating a 3-D model of the Perma-Con®. The blended emissivity was calculate to be 0.393. This calculation is included as Appendix E.

8.0 Computer Software

1. ANSYS 17.0, File Version: 17.0.0.2015120117, SAS IP, Inc.
2. MathCAD Prime 3.1 64-bit, Date code: F000 (2015.02.25.001/3.0.0.266), Parametric Technology Corp.

9.0 Summary and Conclusions

An axi-symmetric FE simulation was completed to determine the peak temperature of the contents of a drum stored in the Dome 375 Perma-Con® during a wildland fire event. Three wildland fire time histories for the radiative and convective heat transfer were provided by EES-16 and were inputs for the FE simulation. The maximum drum content temperature reached was found to be 110 °C while using inputs from the SiteG_2ms_4ign_wind_from_west.xlsx time history input and not including the SWB in the model. Including the SWB in the results in a peak drum content temperature of 61 °C for the SiteG_2ms_4ign_wind_from_west.xlsx inputs. EES-16 decided that by using fuel mitigation efforts, such as mowing the grass and shrubs near the Perma-Con® they could reduce the shrub/grass fuel loading near the Perma-Con® from 1.46 kg/m^2 to 0.146 kg/m^2 and by using a less conservative fuel loading for the debris field inside the Dome 375 perimeter, reducing it from 0.58 kg/m^2 to 0.058 kg/m^2 in their model. They also greatly increased the resolution of their radiation model and increased the accuracy of their model's required convergence value. Using this refined input the maximum drum content temperature was found to be 28 °C with no SWB present in the model. Additionally, this refined input model was modified to include worst case emissivity values for the concrete, drum and Perma-Con® interior, along with adding a 91 second long residual radiative heat flux of 2,000 W/m^2 to the end of the refined wildland fire input. For this case the maximum drum content temperature was found to be 32 °C. For Rev. 2 of this calculation and additional simulation was run that included a cable fire heat flux on the exterior of the Perma-Con® that was calculated by FP-DO. Including the cable fire heat flux in the model without the SWB resulted in a peak drum content temperature over time of 43 °C. Including the SWB in the simulation with the cable fire heat flux resulted in a peak drum content temperature over time of 35 °C.

10.0 References

1. Walker, Sharon, LANL, SB-WATS; *PISA – TRU Waste Drums Containing Treated Nitrate Salts May Challenge the Safety Analysis;* AREAG-ESS-14-002-R5; 3/7/2016.
2. Microsoft Excel Spreadsheet Files: SiteG_2ms_3ign_wind_from_west[2].xlsx (357 KB) and Site G_10ms_win_from_northwest[2].xlsx (103 KB); sent via email from Rod Linn to Mike Flores at 11:10 am on 2/12/2016 with title *Re: Senior Integrated Project Team-RNS.*
3. Microsoft Excel Spreadsheet File: SiteG_2ms_4ign_wind_from_west.xlsx (366 KB); sent via email from Rod Linn to Mike Flores at 12:41 pm on 2/16/2016 with title *FW: new results with 4-line ignition, Site G.*
4. Microsoft Excel Spreadsheet File: SiteG_for_calculation_rad_flux.xlsx (66 KB); sent via email from Eunmo Koo to Mike Flores at 11:49 pm on 3/15/2016 with title *Radiative heat flux for calculation.*
5. Microsoft Excel Spreadsheet File: SiteG_for_calculation_rad_flux_comp[2].xlsx (423 KB); sent via email from Rod Linn to Mike Flores at 11:58 am on 3/21/2016 with title *refined data.*
6. Southwest Research Institute, Chemistry and Chemical Engineering Division, Department of Analytical and Environmental Chemistry; *Laboratory Task Order 150626-11 Revision 0;* 9/23/2015.

7. Reid, Robert; LANL, AET-1; *Memorandum: TA-54 Emissivity Measurements;* AET-1-16-003; 1/21/2016.
8. Incropera, Frank…et al.; *Fundamental of Heat and Mass Transfer – 6th Edition; John Wiley and Sons, Inc; 2007.*
9. LANL Drawing Package: TA-54-375 FRB Boxline, C55439 Rev 3; 3/27/2013.
10. Lambright, John and Fellows, Parker; LANL, SB-PF and FP-DO; *Fire Modeling for the TA-54-0375 Dome*; SBD-CALC-AREAG-109; 7/29/2016.

11.0 Calculation

The entirety of the output reports for each FE analysis completed for this calculation is included in Appendix A. These reports contain the detailed setup information for the calculations and can be used to recreate the calculations from scratch. The highlights of the results are discussed in more depth below.

Figure 4 shows the transient peak temperature of the drum contents resulting from the three wildland fire time histories for the radiative and convective heat transfer provided by EES-16. This model did not include the SWB and the interior of the Perma-Con® radiates directly to the drum. The file SiteG_2ms_4ign_wind_from_west.xlsx produced the maximum drum content temperature, which was 110 °C.

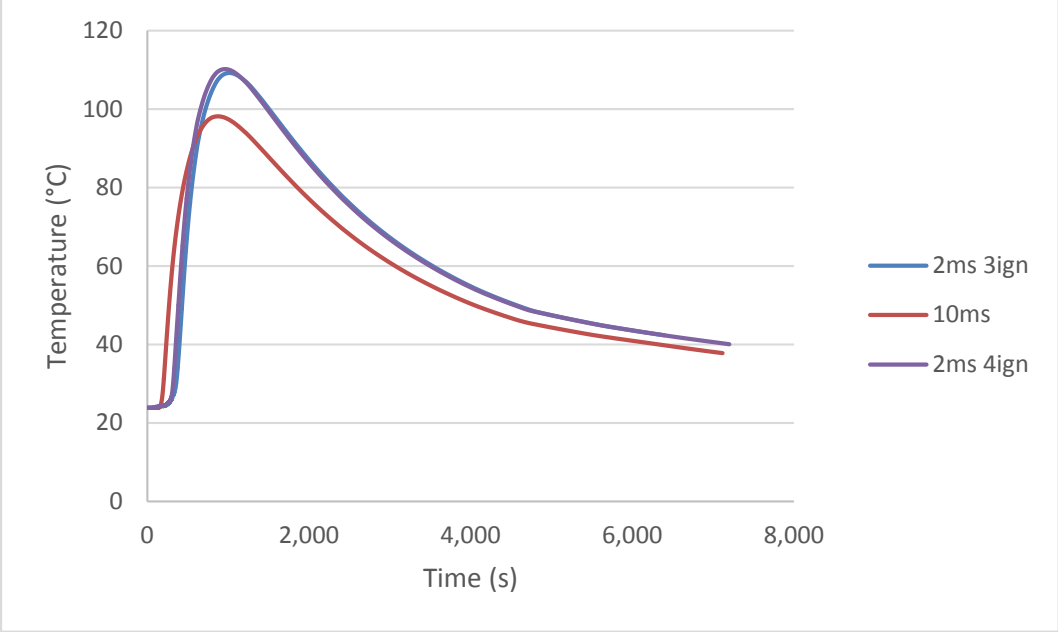


Figure 4: Maximum drum content temperature results for the three wildland fire inputs, no SWB

Since the maximum drum content temperature was over 40 °C, the SWB was added to these models, as shown in Figure 1. The Perma-Con® now radiates to the SWB which, in turn, radiates

to the drum. With the SWB included, the file SiteG_2ms_4ign_wind_from_west.xlsx produced the maximum drum content temperature, 61 °C. These results are shown in Figure 5.

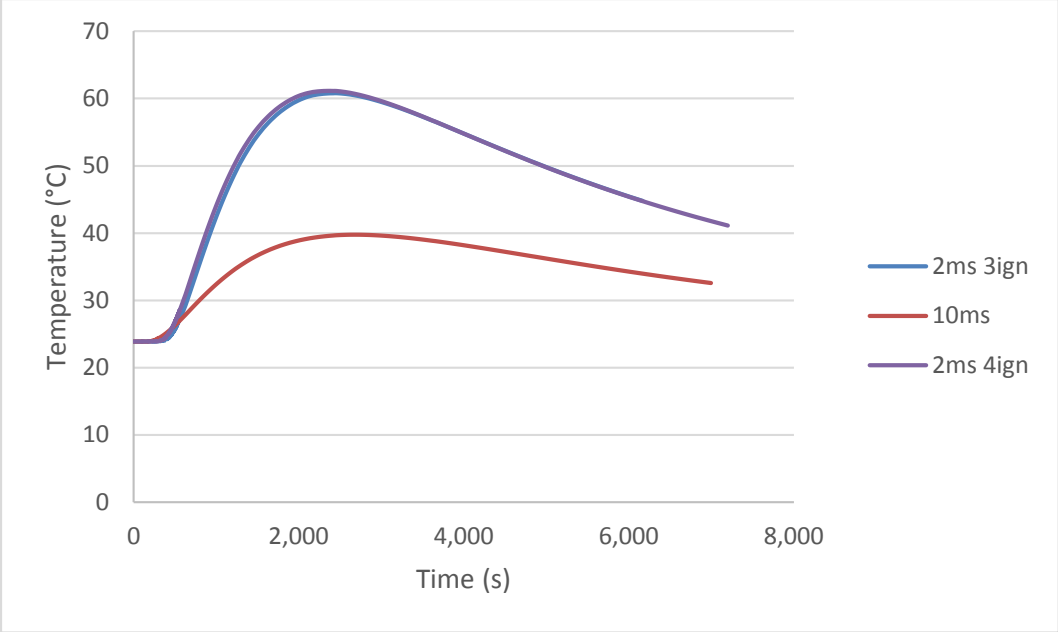


Figure 5: Maximum drum content temperature results for the three wildland fire inputs, with SWB

Adding the SWB did not result in keeping the drum content temperature below 40 °C. Therefore EES-16 looked at what could be readily accomplished to mitigate the fire loading near the Perma-Con®. Risk mitigation experts have now scheduled periodic mowing of the grasses near Dome 375. This will reduce the grass fuel load near the Perma-Con® from 0.146 kg/m^2 to 0.146 kg/m^2. Additionally, a decision was made to use a less, but still, conservative loading for the debris within the perimeter of Dome 375, reducing the load from 0.58 kg/m^2 to 0.058 kg/m^2. This resulted in the Reference 4 output file. As part of this effort EES-16 refined their radiation model resolution as well. The required accuracy for the convergence criteria of their model was also increased. Figure 6 shows the results for the solid parts in the FEA model using this input file. The maximum temperature of the drum contents for this case is 28 °C.

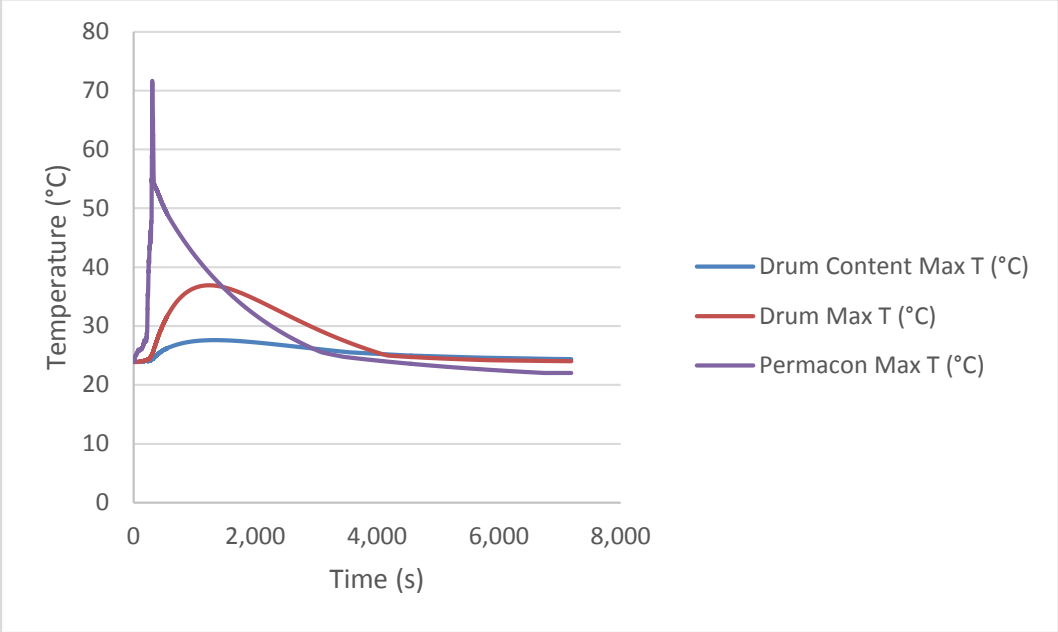


Figure 6: Maximum temperature results for the refined radiation inputs (Reference 4)

A mesh study was completed on the FE model for which the results were shown in Figure 6. The number of elements in the model was increased from 982 to 3,928 elements. The peak temperature of the drum contents remained at 28 °C.

To determine if these results were overly sensitive to emissivity measurements, which may vary with temperature, the FE model used for the Figure 6 results was altered to have a concrete emissivity of 0.0001 and the interior Perma-Con® emissivity and drum emissivity were set as 1. Reducing the emissivity of the concrete, reduced the amount of heat energy from the drum and Perma-Con® that could radiate to the cooler concrete. Likewise raising the emissivity of the Perma-Con® and drum increased the heat transfer between them, since with the reduction of the emissivity of the concrete, there is no substantial heat sink. Additionally, the residual flux of 2,000 W/m^2 was added to the back end of the wildland fire transient radiative flux for 91 seconds (see

Section 5 of this calculation). For this case the maximum temperature of the drum contents was found to be 32 °C.

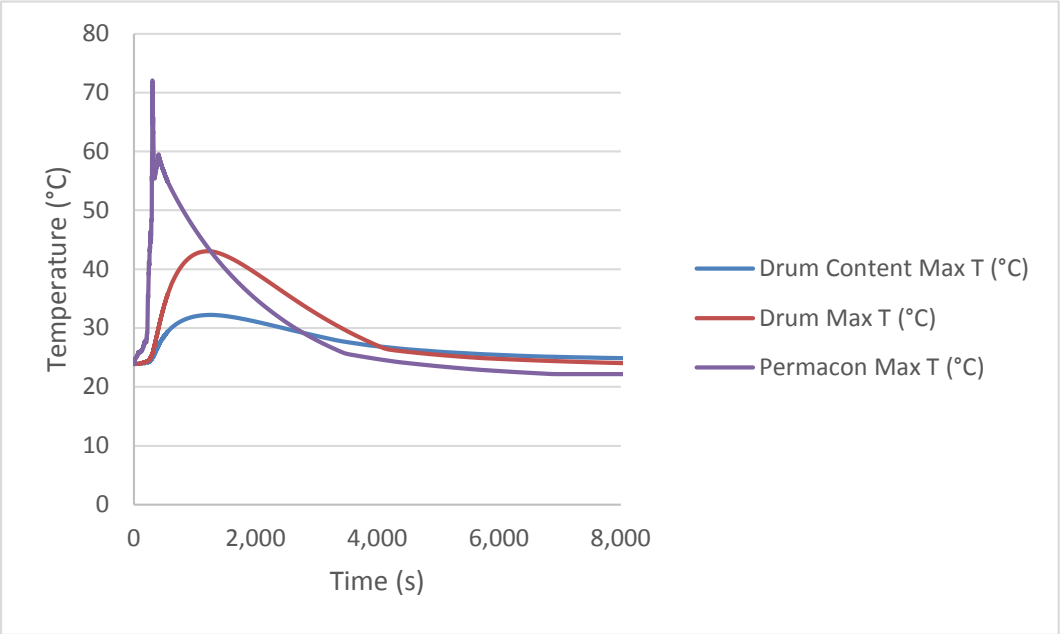


Figure 7: Maximum temperature results for the refined radiation inputs (Reference 4) with concrete emissivity set to 0.0001 and interior Permacon and drum emissivity set to 1

EES-16 provided an additional heat flux that was calculated through an under resolved Monte Carlo calculation (red smoothed curve in Figure 7). This artificially-high heat flux was approximately seven times greater than the refined radiant heat flux calculation described above. This curve was used to test the sensitivity of the FE model to uncertainty in the wildland fire model calculations. Figure 7 shows this bounding case in bold red line which envelopes all the higher resolution radiative heat fluxes which converge as convergence criteria is decreased and Monte Carlo ray numbers are increased. Note that this red line is a only used for sensitivity testing and that the results presented in Figure 6, which correlate to the purple line in figure 7, represent the results of what EES-16 considers the worst case wildland fire inputs.

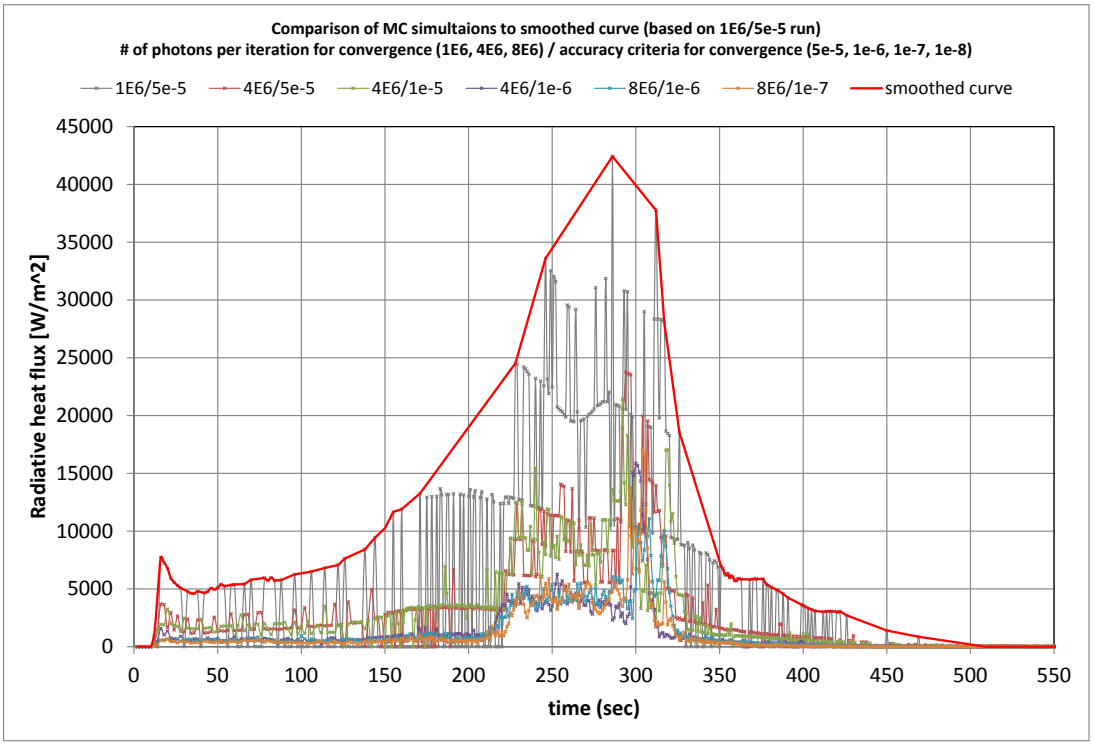


Figure 7: Bounding curve for higher resolution radiative heat flux inputs

Inputting this seven times higher total radiative heat flux input into FEA model (with SWB) yields the results shown in Figure 8. For this case the maximum temperature of the drum contents is 61 °C. A seven times increase in the radiative flux that heats the Perma-Con® exterior results in a 2.2 times increase in drum content temperature.

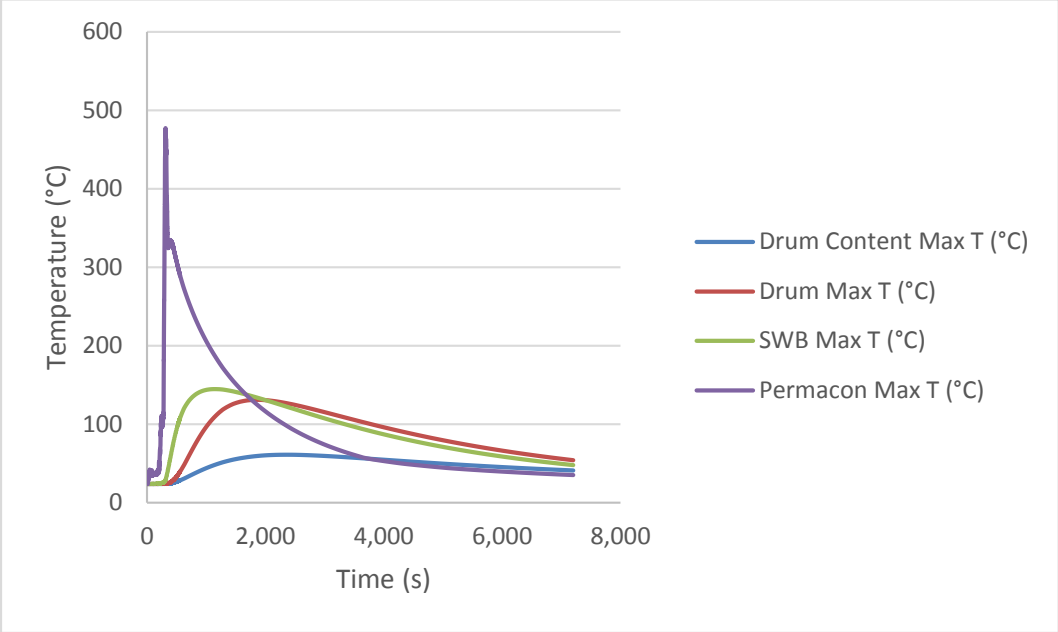


Figure 8: Maximum temperature results using the bounding radiative flux input

Additionally, a simple ODE was solved to compare the FE results to as a sanity check. This calculation is included as Appendix F and the results show that if the Perma-Con® is at 72 °C (the maximum temperature of the Perma-Con® for the case shown in Figure 6 is 72 °C) it would take over three hours for the average bulk temperature of the thermal mass equivalent (as opposed the maximum at any point in the drum contents, which is what the FE results show for maximum temperature) of the drum contents to reach 40 °C. By comparison the longest wildfire event provided by EES-16 is less than ten minutes.

For Revision 2 of this calculation, a simulation with a cable fire on the exterior of the Perma-Con® was completed. The details of how the cable fire transient heat flux was determined are included in Reference 10 and a plot of the transient heat flux for the cable fire is shown in Figure 9. Note that the heat flux calculated in Reference 10 was reduced by 50% as an input into this calculation. In reality the cables are only installed on one wall of the four sided Perma-Con®, over a maximum length of 15 feet. Since the Perma-Con® to drum heat transfer simulation uses axi-symmetry, which results in the drum being completely surrounded by the cable fire heat flux, a 50% reduction in the flux is considered conservative. Note also that the use of axi-symmetry in the model greatly reduces the thermal mass of the Perma-Con® structure and only allows for the inclusion of a single drum, a reduction in the mass of potential heat sinks. This must conservatively result in higher temperatures for the Perma-Con® and drum as compared to modeling the entire Perma-Con® and drum array.

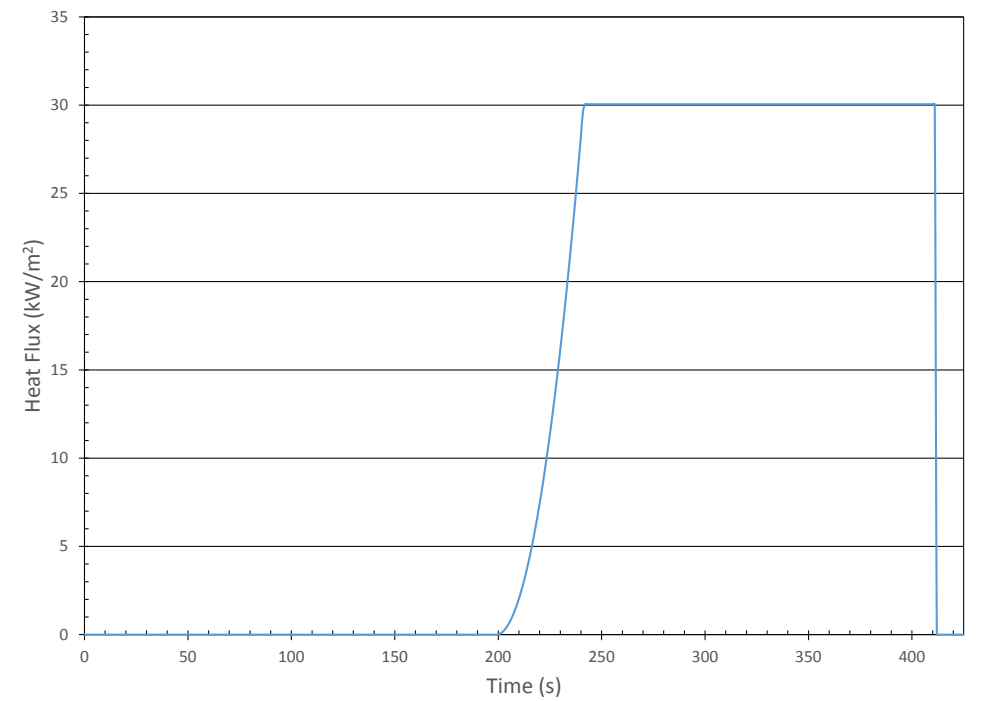


Figure 9: Cable Fire Transient Heat Flux Input

The cable fire heat flux was added as a heat flux on the boundary shown in Figure 10. ANSYS allows stacking of heat fluxes on the same surface, so the wildland fire heat flux was left unaltered and acts on all exterior Perma-Con® surfaces.

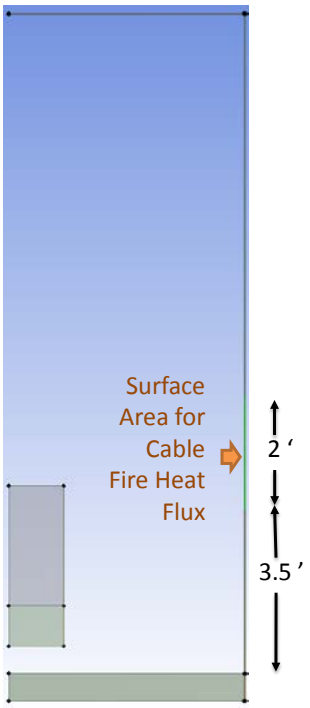


Figure 10: Cable Fire Heat Flux Location on Perma-Con® Exterior

The cable fire heat flux was added to the model with results shown in Figure 6. The maximum temperature of the drum contents with the cable fire present is 43 °C. The simulation results are shown in Figure 10.

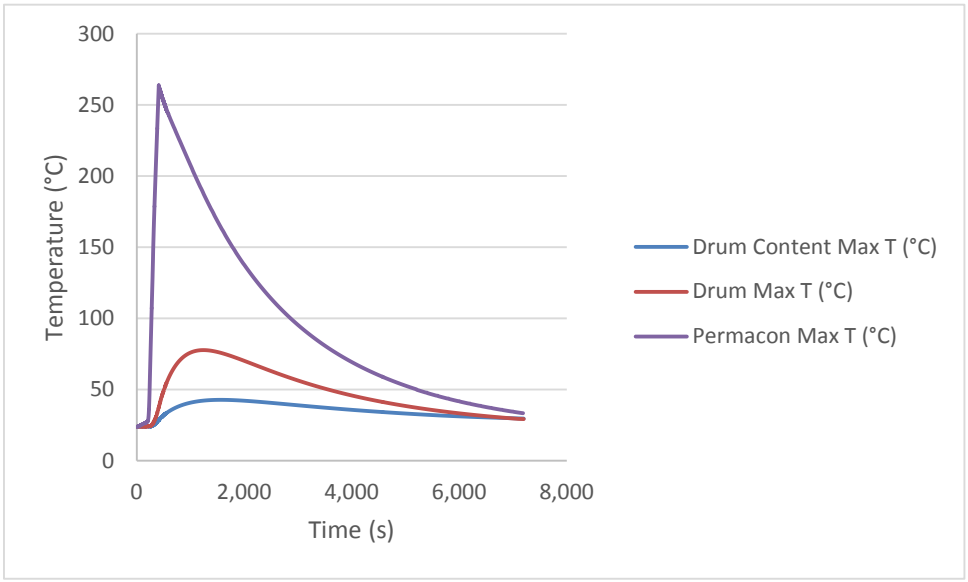


Figure 10: Maximum temperature results for the refined wildland fire radiation inputs (Reference 4), cable fire inputs (Reference 10) without the SWB present

Since the drum content temperature was over the allowable value of 40 °C, an SWB was added to the axisymmetric model. The dimensions of the SWB are shown in Figure 1. With the SWB present the maximum temperature of the drum contents over time was found to be 35 °C. Figure 11 shows the transient results for the case with the cable fire heat flux with SWB present.

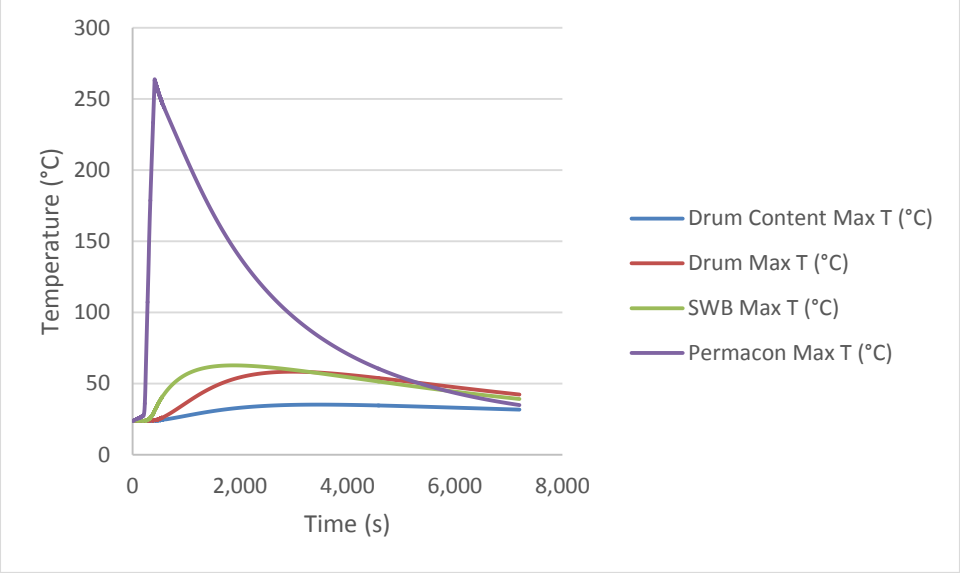
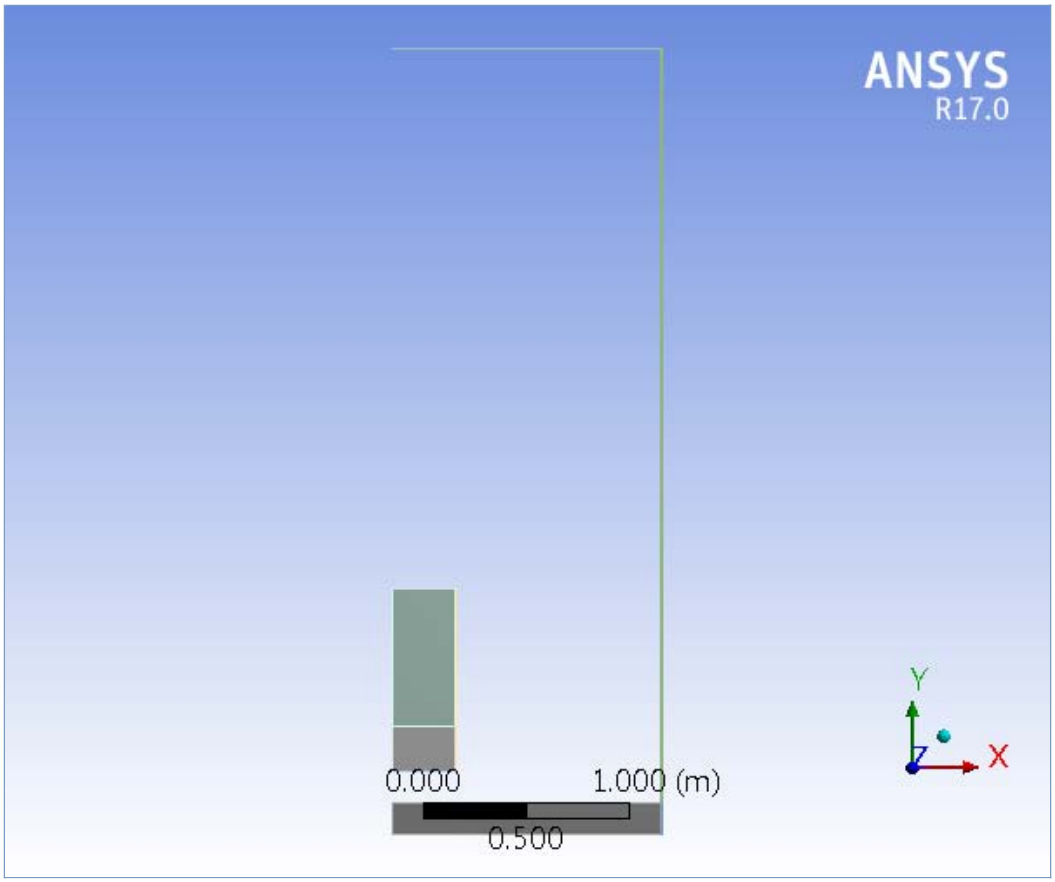


Figure 11: Figure 6: Maximum temperature results for the refined wildland fire radiation inputs (Reference 4), cable fire inputs (Reference 10) with the SWB present

Project

Author	E M Flores
Subject	SiteG_2ms_3ign_wind_from_west[2] Drum Heating
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



Contents

- Units
- Model (A4)
  - Geometry
    - Parts
  - Coordinate Systems
  - Connections
    - Contacts
      - Contact Regions
  - Mesh
    - Mesh Controls
  - Named Selections
  - Transient Thermal (A5)
    - Initial Temperature
    - Analysis Settings
    - Loads
    - Solution (A6)
      - Solution Information
        - Result Charts
      - Results
- Material Data
  - Drum Contents
  - Drum Steel
  - Air
  - Concrete
  - Room Steel

Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (A4)

Geometry

TABLE 2
Model (A4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS\DM\SYS.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	

Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	13
Active Bodies	13
Nodes	3477
Elements	982
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (A4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										

Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											
Nodes	501	172	40	117	971	227	172	40	351	62	557
Elements	150	45	9	30	300	60	45	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (A4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*
State	Meshed	
Graphics Properties		
Visible	Yes	
Transparency	1	
Definition		
Suppressed	No	
Stiffness Behavior	Flexible	
Coordinate System	Default Coordinate System	
Reference Temperature	By Environment	
Behavior	None	
Material		
Assignment	Room Steel	
Nonlinear Effects	Yes	
Thermal Strain Effects	Yes	
Bounding Box		
Length X	6.35e-003 m	1.3035 m
Length Y	6.35e-003 m	
Properties		
Volume	N/A	
Mass	N/A	
Centroid X	N/A	
Centroid Y	N/A	
Centroid Z	N/A	
Moment of Inertia Ip1	N/A	
Moment of Inertia Ip2	N/A	
Moment of Inertia Ip3	N/A	
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²
Statistics		
Nodes	40	227
Elements	9	60
Mesh Metric	None	

Coordinate Systems

TABLE 5
Model (A4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m

Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (A4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (A4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Slider
Tolerance Slider	0.
Tolerance Value	1.0072e-002 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	14
Active Connections	14

TABLE 8
Model (A4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge				2 Edges	1 Edge					
Target	2 Edges		1 Edge	2 Edges	1 Edge		2 Edges				
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim	1.0072e-002 m										

Tolerance	
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (A4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Contact	1 Edge		2 Edges
Target	1 Edge	2 Edges	1 Edge
Contact Bodies	Surface Body		
Target Bodies	Surface Body		
Shell Thickness Effect	No		
Definition			
Type	Bonded		
Scope Mode	Automatic		
Behavior	Program Controlled		
Trim Contact	Program Controlled		
Trim Tolerance	1.0072e-002 m		
Suppressed	No		
Advanced			
Formulation	Program Controlled		
Detection Method	Program Controlled		
Elastic Slip Tolerance	Program Controlled		
Thermal Conductance	Program Controlled		
Pinball Region	Program Controlled		
Geometric Modification			
Contact Geometry Correction	None		
Target Geometry Correction	None		

Mesh

TABLE 10
Model (A4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	

Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	3477
Elements	982
Mesh Metric	None

TABLE 11
Model (A4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*
State	Fully Defined									
Scope										
Scoping Method	Named Selection									Geometry Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	
Geometry										13 Faces
Definition										
Suppressed	No									
Type	Number of Divisions									
Number of Divisions	3	15	10	20	5	25	3	50	20	
Behavior	Hard									
Bias Type	No Bias									
Mapped Mesh										Yes
Method										Quadrilaterals
Constrain Boundary										No

Advanced		
Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 12
Model (A4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*
State	Fully Defined								
Scope									
Scoping Method	Worksheet				Geometry Selection	Worksheet			
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Definition									
Send to Solver	Yes								
Visible	Yes								
Program Controlled Inflation	Exclude								
Statistics									
Type	Manual								
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m
Suppressed	0								
Used by Mesh Worksheet	No								
Tolerance									
Tolerance Type	Program Controlled					Program Controlled			
Zero Tolerance	1.e-008					1.e-008			
Relative Tolerance	1.e-003					1.e-003			

Transient Thermal (A5)

TABLE 13
Model (A4) > Analysis

Object Name	*Transient Thermal (A5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 14
Model (A4) > Transient Thermal (A5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined

Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 15
Model (A4) > Transient Thermal (A5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	487.
Current Step Number	487.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 16
Model (A4) > Transient Thermal (A5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Auto Time Stepping	Define By	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s	On	Time	1.e-002 s	1.e-003 s	2. s
2	4. s					
3	6. s					
4	8. s					
5	10. s					
6	12. s					
7	14. s					
8	16. s					
9	18. s					
10	20. s					

11	22. s					
12	24. s					
13	26. s					
14	28. s					
15	30. s					
16	32. s					
17	34. s					
18	36. s					
19	38. s					
20	40. s					
21	42. s					
22	44. s					
23	46. s					
24	48. s					
25	50. s					
26	52. s					
27	54. s					
28	56. s					
29	58. s					
30	60. s					
31	62. s					
32	64. s					
33	66. s					
34	68. s					
35	70. s					
36	72. s					
37	74. s					
38	76. s					
39	78. s					
40	80. s			2.e-002 s	2.e-003 s	0.2 s
41	82. s					
42	84. s					
43	86. s					
44	88. s					
45	90. s					
46	92. s					
47	94. s					
48	96. s					
49	98. s					
50	100. s					
51	102. s					
52	104. s					
53	106. s					
54	108. s					
55	110. s					
56	112. s					
57	114. s					
58	116. s					
59	118. s					
60	120. s					
61	122. s					
62	124. s					
63	126. s					
64	128. s					
65	130. s					
66	132. s					
67	134. s					
68	136. s					
69	138. s					
70	140. s					

71	141. s
72	142. s
73	143. s
74	144. s
75	145. s
76	146. s
77	147. s
78	148. s
79	149. s
80	150. s
81	151. s
82	152. s
83	153. s
84	154. s
85	155. s
86	156. s
87	157. s
88	158. s
89	159. s
90	160. s
91	161. s
92	162. s
93	163. s
94	164. s
95	165. s
96	166. s
97	167. s
98	168. s
99	169. s
100	170. s
101	171. s
102	172. s
103	173. s
104	174. s
105	175. s
106	176. s
107	177. s
108	178. s
109	179. s
110	180. s
111	181. s
112	182. s
113	183. s
114	184. s
115	185. s
116	186. s
117	187. s
118	188. s
119	189. s
120	190. s
121	191. s
122	192. s
123	193. s
124	194. s
125	195. s
126	196. s
127	197. s
128	198. s
129	199. s
130	200. s
131	

	201. s
132	202. s
133	203. s
134	204. s
135	205. s
136	206. s
137	207. s
138	208. s
139	209. s
140	210. s
141	211. s
142	212. s
143	213. s
144	214. s
145	215. s
146	216. s
147	217. s
148	218. s
149	219. s
150	220. s
151	221. s
152	222. s
153	223. s
154	224. s
155	225. s
156	226. s
157	227. s
158	228. s
159	229. s
160	230. s
161	231. s
162	232. s
163	233. s
164	234. s
165	235. s
166	236. s
167	237. s
168	238. s
169	239. s
170	240. s
171	241. s
172	242. s
173	243. s
174	244. s
175	245. s
176	246. s
177	247. s
178	248. s
179	249. s
180	250. s
181	251. s
182	252. s
183	253. s
184	254. s
185	255. s
186	256. s
187	257. s
188	258. s
189	259. s
190	260. s
191	

	261. s
192	262. s
193	263. s
194	264. s
195	265. s
196	266. s
197	267. s
198	268. s
199	269. s
200	270. s
201	271. s
202	272. s
203	273. s
204	274. s
205	275. s
206	276. s
207	277. s
208	278. s
209	279. s
210	280. s
211	281. s
212	282. s
213	283. s
214	284. s
215	285. s
216	286. s
217	287. s
218	288. s
219	289. s
220	290. s
221	291. s
222	292. s
223	293. s
224	294. s
225	295. s
226	296. s
227	297. s
228	298. s
229	299. s
230	300. s
231	301. s
232	302. s
233	303. s
234	304. s
235	305. s
236	306. s
237	307. s
238	308. s
239	309. s
240	310. s
241	311. s
242	312. s
243	313. s
244	314. s
245	315. s
246	316. s
247	317. s
248	318. s
249	319. s
250	320. s
251	

	321. s
252	322. s
253	323. s
254	324. s
255	325. s
256	326. s
257	327. s
258	328. s
259	329. s
260	330. s
261	331. s
262	332. s
263	333. s
264	334. s
265	335. s
266	336. s
267	337. s
268	338. s
269	339. s
270	340. s
271	341. s
272	342. s
273	343. s
274	344. s
275	345. s
276	346. s
277	347. s
278	348. s
279	349. s
280	350. s
281	351. s
282	352. s
283	353. s
284	354. s
285	355. s
286	356. s
287	357. s
288	358. s
289	359. s
290	360. s
291	361. s
292	362. s
293	363. s
294	364. s
295	365. s
296	366. s
297	367. s
298	368. s
299	369. s
300	370. s
301	371. s
302	372. s
303	373. s
304	374. s
305	375. s
306	376. s
307	377. s
308	378. s
309	379. s
310	380. s
311	

	381. s
312	382. s
313	383. s
314	384. s
315	385. s
316	386. s
317	387. s
318	388. s
319	389. s
320	390. s
321	391. s
322	392. s
323	393. s
324	394. s
325	395. s
326	396. s
327	397. s
328	398. s
329	399. s
330	400. s
331	401. s
332	402. s
333	403. s
334	404. s
335	405. s
336	406. s
337	407. s
338	408. s
339	409. s
340	410. s
341	411. s
342	412. s
343	413. s
344	414. s
345	415. s
346	416. s
347	417. s
348	418. s
349	419. s
350	420. s
351	421. s
352	422. s
353	423. s
354	424. s
355	425. s
356	426. s
357	427. s
358	428. s
359	429. s
360	430. s
361	431. s
362	432. s
363	433. s
364	434. s
365	435. s
366	436. s
367	437. s
368	438. s
369	439. s
370	440. s
371	

	441. s
372	442. s
373	443. s
374	444. s
375	445. s
376	446. s
377	447. s
378	448. s
379	449. s
380	450. s
381	451. s
382	452. s
383	453. s
384	454. s
385	455. s
386	456. s
387	457. s
388	458. s
389	459. s
390	460. s
391	461. s
392	462. s
393	463. s
394	464. s
395	465. s
396	466. s
397	467. s
398	468. s
399	469. s
400	470. s
401	471. s
402	472. s
403	473. s
404	474. s
405	475. s
406	476. s
407	477. s
408	478. s
409	479. s
410	480. s
411	481. s
412	482. s
413	483. s
414	484. s
415	485. s
416	486. s
417	487. s
418	488. s
419	489. s
420	490. s
421	491. s
422	492. s
423	493. s
424	494. s
425	495. s
426	496. s
427	497. s
428	498. s
429	499. s
430	500. s
431	

	501. s						
432	502. s						
433	503. s						
434	504. s						
435	505. s						
436	506. s						
437	507. s						
438	508. s						
439	509. s						
440	510. s						
441	511. s						
442	512. s						
443	513. s						
444	514. s						
445	515. s						
446	516. s						
447	517. s						
448	518. s						
449	519. s						
450	520. s						
451	521. s						
452	522. s						
453	523. s						
454	524. s						
455	525. s						
456	526. s	Program Controlled					
457	527. s						
458	528. s						
459	529. s						
460	530. s						
461	531. s						
462	532. s						
463	533. s						
464	534. s						
465	535. s						
466	536. s						
467	537. s						
468	538. s						
469	539. s						
470	540. s						
471	541. s						
472	542. s						
473	543. s						
474	544. s						
475	545. s						
476	546. s						
477	547. s						
478	548. s						
479	549. s						
480	550. s						

1.e-002 s

| | | |

						0.1 s
481	600. s			0.5 s	5.e-002 s	5. s
482	1200. s			6. s	0.6 s	60. s
483	2400. s			12. s	1.2 s	120. s
484	3600. s					
485	4800. s					
486	6000. s					
487	7200. s					

TABLE 17
Model (A4) > Transient Thermal (A5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*
State	Fully Defined									
Scope										
Scoping Method	Geometry Selection									
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges		
Definition										
Type	Temperature	Radiation						Convection	Heat Flux	Radiation
Magnitude	22.25 °C (step applied)								Tabular Data	
Suppressed	No									
Correlation		Surface to Surface								To Ambient
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			1. (step applied)
Enclosure		1.								
Enclosure Type		Perfect								
Film Coefficient								Tabular Data		
Ambient Temperature								Tabular Data		16.85 °C (step applied)
Convection Matrix								Program Controlled		
Edit Data For								Film Coefficient		
Tabular Data										
Independent Variable								Time		

FIGURE 1
Model (A4) > Transient Thermal (A5) > Temperature

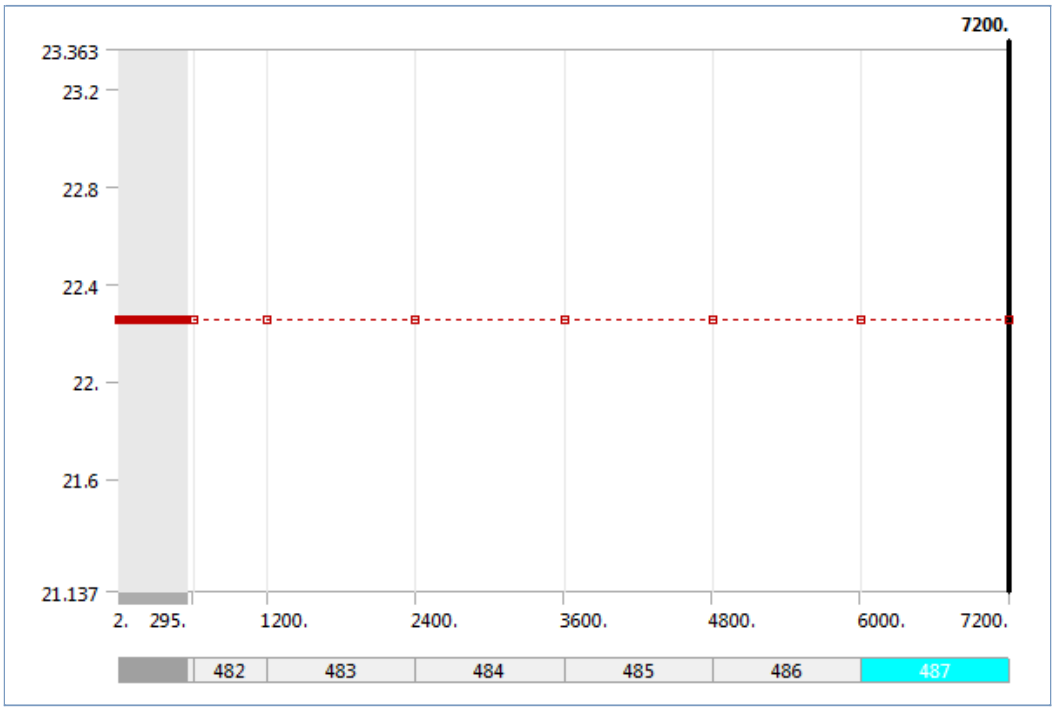


FIGURE 2
Model (A4) > Transient Thermal (A5) > Radiation 2

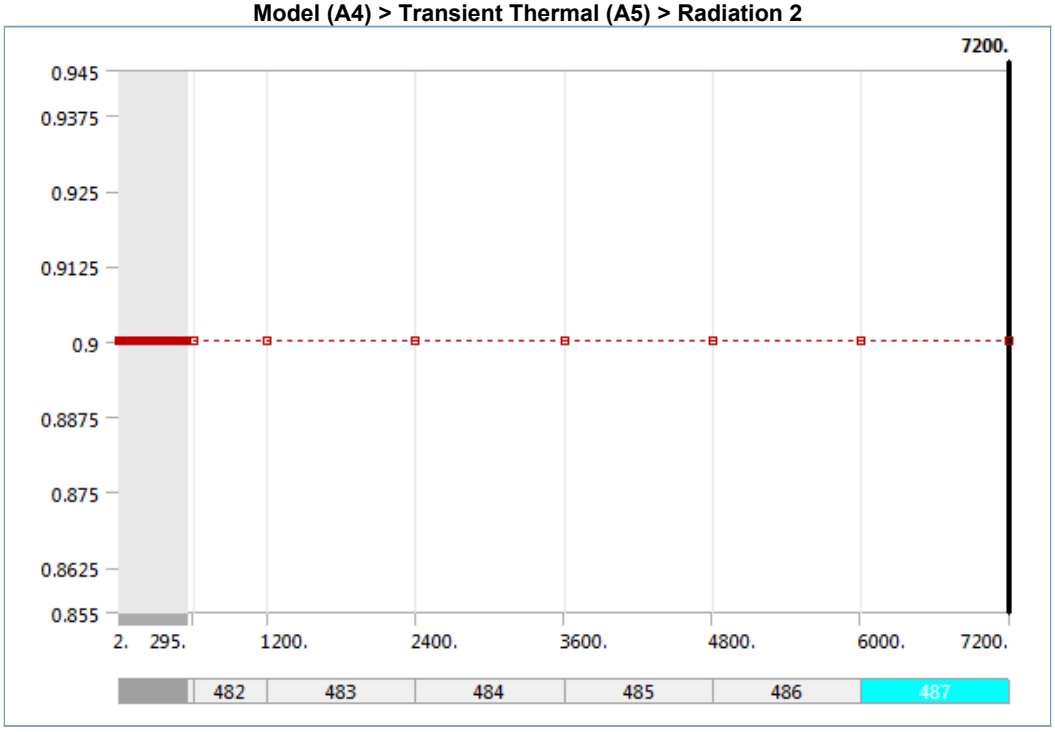


FIGURE 3
Model (A4) > Transient Thermal (A5) > Radiation 3

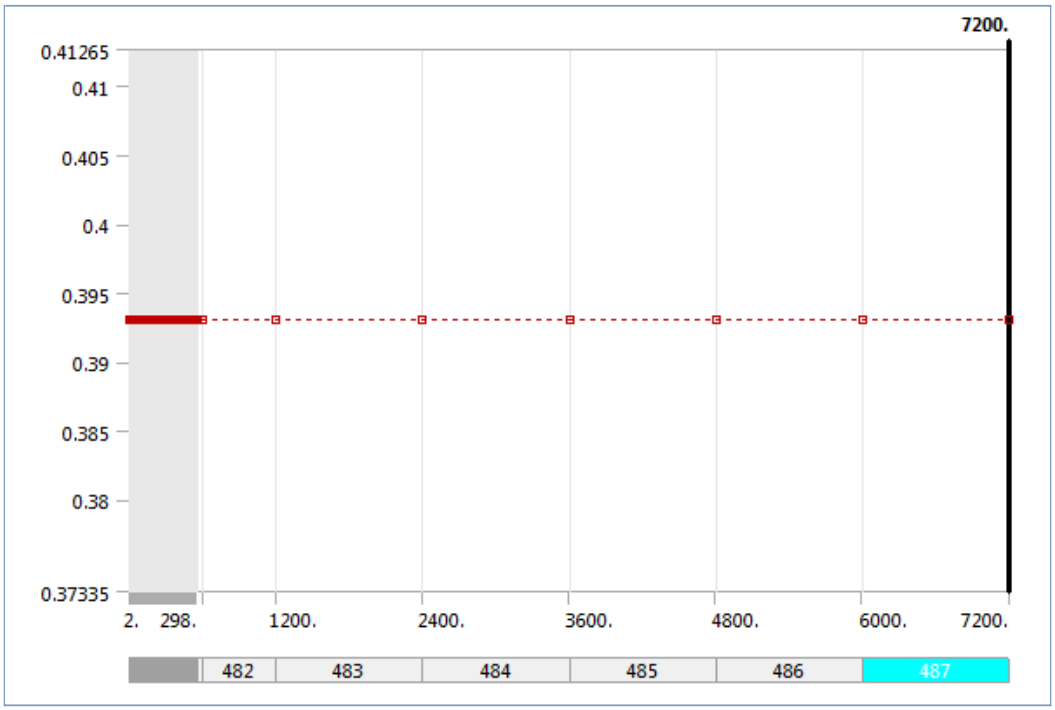


FIGURE 4
Model (A4) > Transient Thermal (A5) > Radiation 4

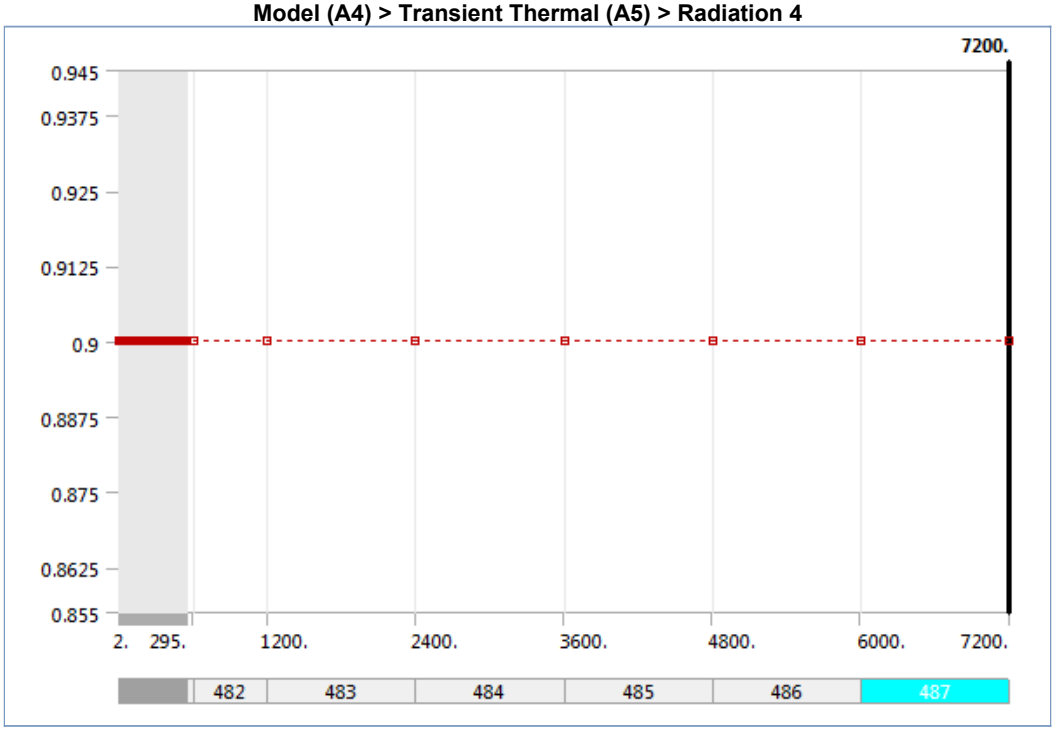


FIGURE 5
Model (A4) > Transient Thermal (A5) > Radiation 5

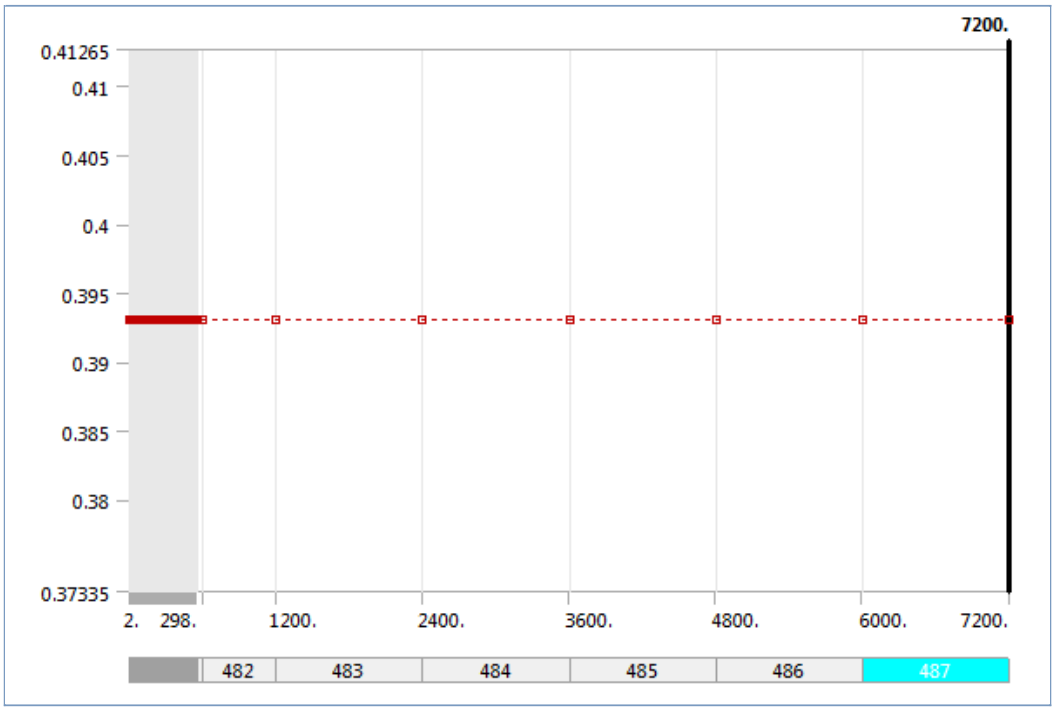


FIGURE 6
Model (A4) > Transient Thermal (A5) > Radiation 6

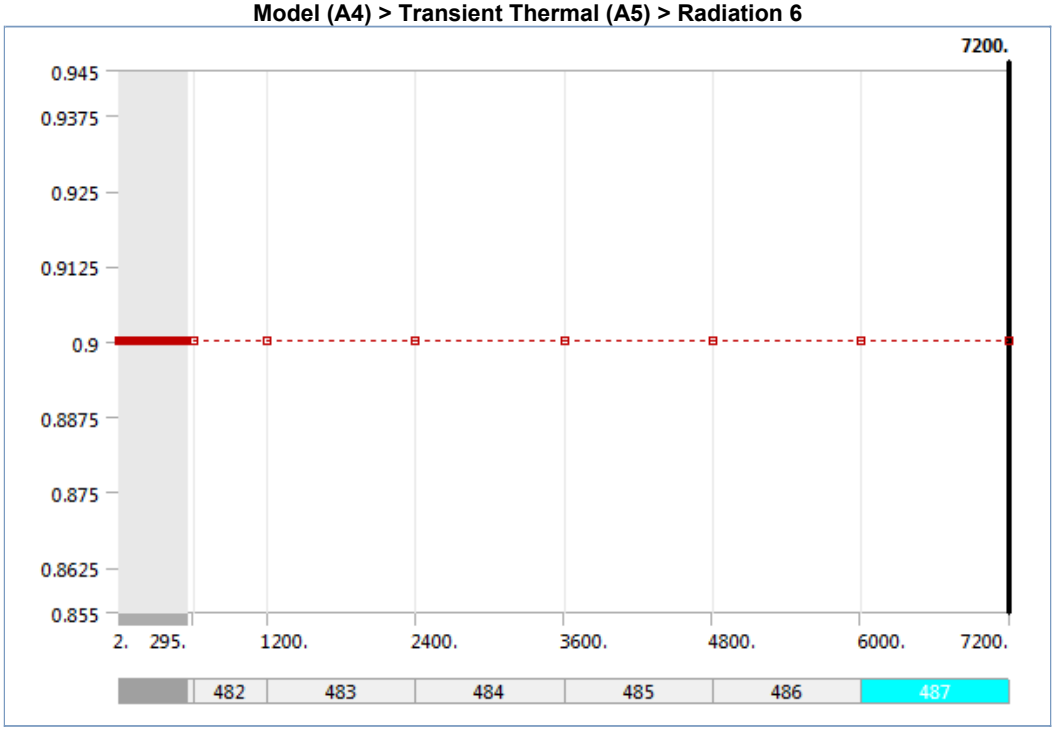


FIGURE 7
Model (A4) > Transient Thermal (A5) > Radiation 7

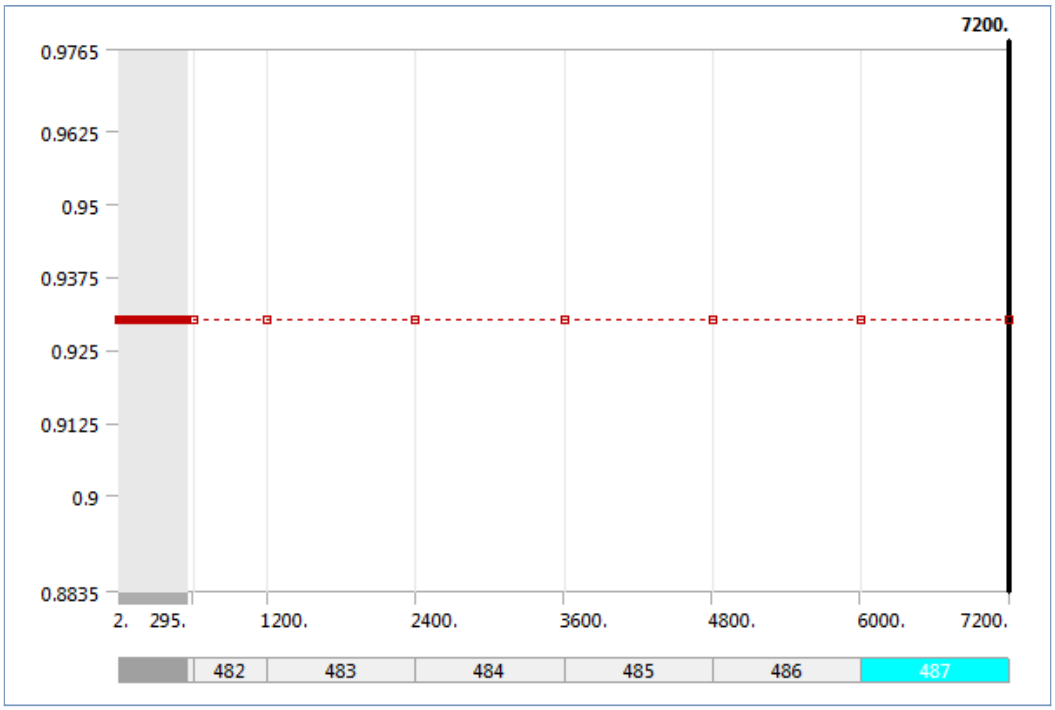


FIGURE 8
Model (A4) > Transient Thermal (A5) > Convection

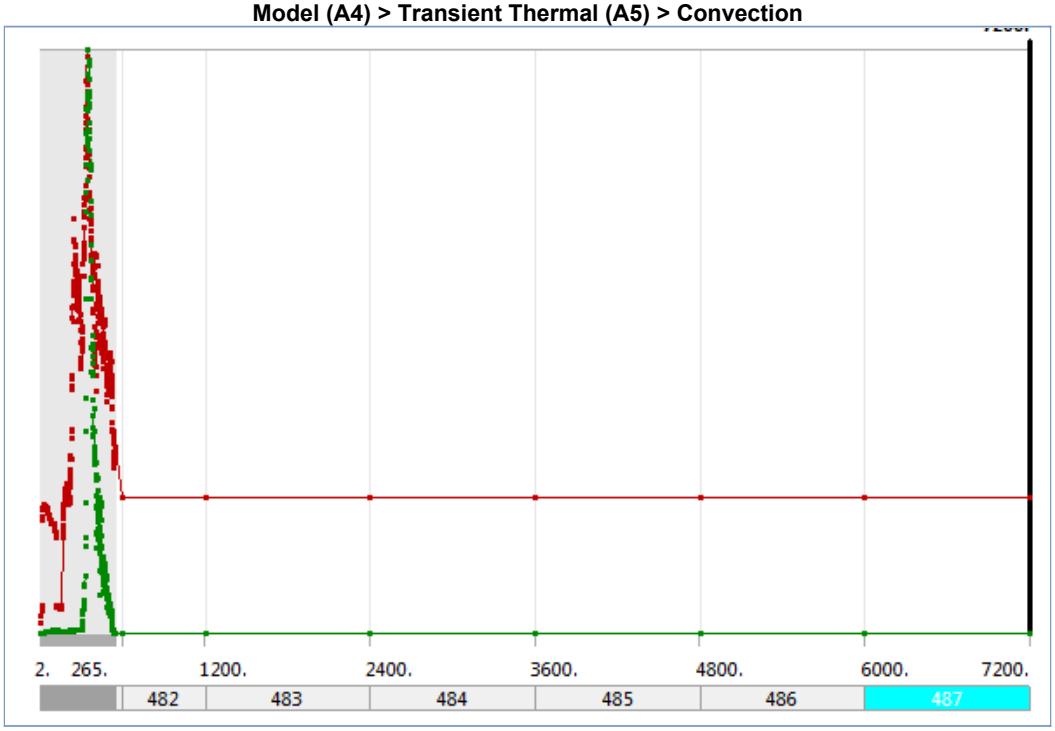


TABLE 18
Model (A4) > Transient Thermal (A5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	0.35	16.85
	2.		
2	4.	0.69	16.88
3	6.	0.92	16.95
4	8.	1.12	16.99
5	10.	1.3	17.
6	12.	4.22	

7	14.	4.36	16.98
8	16.	4.58	
9	18.	4.66	17.05
10	20.	4.72	17.12
11	22.	4.75	17.18
12	24.	4.76	17.23
13	26.	4.77	17.26
14	28.		17.29
15	30.	4.76	17.31
16	32.	4.74	17.4
17	34.	4.7	17.45
18	36.	4.67	17.6
19	38.	4.66	17.7
20	40.	4.67	
21	42.	4.68	17.76
22	44.	4.66	17.8
23	46.	4.63	
24	48.	4.61	17.81
25	50.	4.59	17.87
26	52.	4.58	17.9
27	54.	4.54	17.96
28	56.	4.5	18.02
29	58.	4.43	18.07
30	60.	4.37	18.11
31	62.	4.32	18.12
32	64.	4.3	18.15
33	66.	4.29	18.18
34	68.	4.27	18.19
35	70.	4.24	
36	72.	4.21	
37	74.	4.17	18.18
38	76.	4.13	18.16
39	78.		18.19
40	80.		18.27
41	82.	4.12	18.47
42	84.	4.11	18.79
43	86.	4.1	19.44
44	88.		20.04
45	90.	4.13	20.31
46	92.		20.58
47	94.	4.12	20.65
48	96.	4.1	20.56
49	98.	4.07	20.28
50	100.	4.01	19.86
51	102.	3.92	19.44
52	104.	3.89	19.46
53	106.	3.85	19.32
54	108.	3.81	19.39
55	110.	3.76	19.95
56	112.	3.66	20.44
57	114.	1.3	20.36
58	116.	1.27	19.93
59	118.	1.29	19.61
60	120.		19.35
61	122.	1.26	19.82
62	124.	1.23	20.39
63	126.	1.24	20.86
64	128.	1.26	20.57
65	130.	1.28	20.37
66	132.	1.3	20.56

67	134.	1.24	20.19
68	136.	1.21	20.13
69	138.		20.32
70	140.	1.22	20.12
71	141.	1.21	20.
72	142.	1.23	19.81
73	143.	1.24	19.46
74	144.	1.23	19.56
75	145.	1.22	19.36
76	146.		18.86
77	147.		18.82
78	148.	1.21	18.54
79	149.	1.23	18.51
80	150.	1.22	
81	151.	1.23	18.99
82	152.	1.26	19.27
83	153.		19.41
84	154.	1.28	19.37
85	155.	1.3	19.4
86	156.		
87	157.		19.28
88	158.		19.2
89	159.	3.66	19.17
90	160.		19.07
91	161.	3.71	18.83
92	162.	3.81	18.59
93	163.	3.89	18.43
94	164.	3.95	18.26
95	165.	4.01	18.09
96	166.	4.08	18.08
97	167.	4.27	18.03
98	168.	4.39	18.25
99	169.	4.46	18.31
100	170.	4.64	18.43
101	171.	4.79	18.5
102	172.	4.87	18.66
103	173.	5.02	18.57
104	174.	5.05	18.59
105	175.	5.18	18.45
106	176.	5.19	18.41
107	177.		18.39
108	178.	5.22	18.36
109	179.	5.25	18.13
110	180.	5.3	18.01
111	181.		17.99
112	182.	5.28	18.01
113	183.	5.23	18.04
114	184.	5.21	
115	185.	5.25	
116	186.	5.28	
117	187.	5.35	18.09
118	188.	5.41	18.2
119	189.	5.42	18.29
120	190.	5.46	18.3
121	191.	5.48	18.23
122	192.	5.45	18.13
123	193.	5.4	18.07
124	194.		18.1
125	195.	5.38	18.17
126	196.	5.35	18.22

127	197.	5.38	18.23
128	198.	5.31	18.18
129	199.	5.24	18.05
130	200.	5.19	17.98
131	201.	5.13	17.9
132	202.	5.04	17.89
133	203.	4.97	18.03
134	204.	4.88	18.02
135	205.	4.84	18.12
136	206.	4.81	18.32
137	207.		18.31
138	208.	4.84	18.38
139	209.	4.8	18.4
140	210.	4.84	18.35
141	211.	4.92	19.61
142	212.	5.01	20.2
143	213.	5.4	21.04
144	214.	5.58	21.63
145	215.	5.76	21.35
146	216.	5.8	21.18
147	217.	6.	21.57
148	218.	6.31	21.29
149	219.	6.42	21.07
150	220.	6.43	20.84
151	221.		20.29
152	222.	6.34	19.87
153	223.	7.03	19.68
154	224.	7.32	19.57
155	225.	7.27	19.6
156	226.	8.82	18.98
157	227.	8.78	20.26
158	228.	9.06	20.17
159	229.	8.71	19.9
160	230.	9.19	19.61
161	231.	9.05	19.47
162	232.	9.12	19.65
163	233.	11.19	19.35
164	234.	11.54	19.98
165	235.	11.08	20.27
166	236.	11.6	20.34
167	237.	12.3	21.13
168	238.	12.43	21.37
169	239.	13.01	20.88
170	240.	13.8	20.91
171	241.	14.56	20.88
172	242.	13.87	20.55
173	243.	12.17	20.16
174	244.	11.61	21.2
175	245.	12.	21.38
176	246.	11.92	
177	247.	12.18	21.54
178	248.	12.64	21.71
179	249.	12.73	21.7
180	250.	12.72	21.6
181	251.	12.8	20.88
182	252.	13.69	21.2
183	253.	13.21	21.21
184	254.	13.6	21.44
185	255.	13.12	21.04
186	256.	12.98	20.69

187	257.	13.64	20.98
188	258.	13.35	21.55
189	259.	12.81	21.27
190	260.	12.78	
191	261.	12.36	21.09
192	262.	12.22	21.05
193	263.	11.91	20.62
194	264.	11.45	20.7
195	265.	11.7	21.19
196	266.	11.78	21.89
197	267.	11.05	22.02
198	268.	11.58	21.81
199	269.	12.38	21.66
200	270.	12.09	21.26
201	271.	12.58	21.37
202	272.	12.37	21.04
203	273.	12.05	20.81
204	274.	12.37	21.06
205	275.	12.5	21.05
206	276.	11.98	21.6
207	277.	11.42	21.61
208	278.	12.27	21.46
209	279.	12.52	21.45
210	280.	11.95	21.23
211	281.	11.66	20.9
212	282.	11.81	22.31
213	283.	11.58	22.07
214	284.	11.13	21.73
215	285.	11.06	21.49
216	286.	11.07	21.1
217	287.	11.31	21.44
218	288.	10.78	21.31
219	289.		21.68
220	290.	10.34	21.44
221	291.	9.77	21.02
222	292.	9.53	21.22
223	293.	9.71	21.47
224	294.	9.57	22.06
225	295.	9.43	22.27
226	296.	9.73	21.89
227	297.	9.68	21.32
228	298.	10.01	21.81
229	299.	10.21	22.53
230	300.	10.32	22.57
231	301.	10.01	23.97
232	302.	10.71	23.37
233	303.		33.21
234	304.	10.88	27.51
235	305.	10.15	50.05
236	306.	10.44	30.44
237	307.	10.47	26.81
238	308.	10.23	37.57
239	309.	12.59	33.08
240	310.	13.04	54.04
241	311.	14.3	57.94
242	312.	14.66	70.27
243	313.	13.43	61.53
244	314.	15.32	74.05
245	315.	14.82	64.58
246	316.	14.26	66.14

247	317.	13.28	60.21
248	318.	13.19	72.05
249	319.	12.6	68.13
250	320.	13.37	74.01
251	321.	13.58	97.5
252	322.	13.73	98.01
253	323.	15.03	101.58
254	324.	15.21	116.69
255	325.	16.38	169.29
256	326.	15.74	183.29
257	327.	18.08	243.56
258	328.	17.61	426.66
259	329.	17.01	367.51
260	330.	16.95	599.74
261	331.	18.4	753.81
262	332.	16.69	786.73
263	333.	17.05	835.02
264	334.	17.89	888.33
265	335.	19.32	933.38
266	336.	20.38	872.63
267	337.	20.16	879.22
268	338.	18.28	958.23
269	339.	18.	896.7
270	340.	18.93	807.26
271	341.	18.74	867.08
272	342.	19.21	959.25
273	343.	17.88	955.82
274	344.	16.42	951.67
275	345.	16.79	928.99
276	346.	15.42	993.1
277	347.	17.95	993.9
278	348.	18.5	1035.8
279	349.	16.29	984.36
280	350.	16.9	1007.3
281	351.	17.61	1016.5
282	352.	16.82	958.75
283	353.	14.9	962.87
284	354.	16.42	1008.9
285	355.	15.4	954.8
286	356.	15.5	942.37
287	357.	16.04	936.54
288	358.	14.86	880.76
289	359.	15.22	906.98
290	360.	14.79	891.26
291	361.	14.6	859.46
292	362.	14.68	836.22
293	363.	14.46	827.05
294	364.	14.15	824.45
295	365.	14.52	770.06
296	366.	14.95	746.51
297	367.	14.42	695.76
298	368.	13.8	666.13
299	369.	13.32	637.17
300	370.	13.94	633.28
301	371.	14.51	599.02
302	372.	14.44	516.63
303	373.	13.72	471.98
304	374.	13.13	473.19
305	375.	12.72	499.42
306	376.	12.6	511.49
307			

	377.	13.07	522.21
308	378.	13.	467.42
309	379.	12.83	395.32
310	380.	12.18	424.24
311	381.	12.23	486.51
312	382.	12.53	535.97
313	383.	12.85	520.18
314	384.	11.36	360.21
315	385.	11.47	363.26
316	386.	12.15	374.01
317	387.	12.92	408.54
318	388.	10.59	323.47
319	389.	10.29	310.98
320	390.	9.86	312.
321	391.	10.17	341.22
322	392.	10.88	338.31
323	393.	10.07	320.67
324	394.	9.57	325.04
325	395.	9.76	328.52
326	396.	9.95	310.12
327	397.	9.68	338.82
328	398.	11.47	323.26
329	399.	13.39	367.58
330	400.	12.17	313.68
331	401.	13.24	254.87
332	402.	10.68	233.63
333	403.	10.25	166.12
334	404.	8.69	192.75
335	405.	8.65	189.68
336	406.	9.51	193.51
337	407.	9.21	193.6
338	408.	10.5	286.34
339	409.	11.48	282.86
340	410.	13.32	293.38
341	411.	11.67	237.23
342	412.	11.82	179.86
343	413.	12.09	165.88
344	414.	11.91	188.26
345	415.	12.22	287.59
346	416.	12.28	254.
347	417.	11.01	264.11
348	418.	12.42	235.01
349	419.	11.96	217.53
350	420.	11.71	163.9
351	421.	12.96	199.28
352	422.	12.22	209.51
353	423.	12.09	247.76
354	424.	11.26	232.63
355	425.	11.08	250.62
356	426.	11.64	254.07
357	427.	11.19	245.73
358	428.	10.55	232.83
359	429.	11.44	217.82
360	430.	10.34	201.01
361	431.	10.16	172.64
362	432.	10.22	223.38
363	433.	11.09	228.29
364	434.	11.73	156.71
365	435.	10.99	124.85
366	436.	10.55	83.99
367			

	437.	11.89	227.28
368	438.	10.98	168.98
369	439.	10.57	237.09
370	440.	11.23	243.52
371	441.	9.99	212.91
372	442.	10.07	143.3
373	443.	10.54	130.84
374	444.	10.5	139.79
375	445.	10.29	185.33
376	446.	11.48	165.16
377	447.	11.15	139.75
378	448.	11.36	145.92
379	449.	10.56	121.99
380	450.	10.9	142.91
381	451.	10.61	103.87
382	452.	10.19	100.03
383	453.	10.66	131.79
384	454.	10.54	136.09
385	455.	9.93	151.03
386	456.	9.84	132.14
387	457.	9.7	128.16
388	458.	9.76	114.14
389	459.	9.46	100.21
390	460.	10.21	86.47
391	461.	10.2	88.88
392	462.	10.11	123.89
393	463.	9.95	129.13
394	464.	10.11	105.3
395	465.	9.84	113.01
396	466.	10.96	113.48
397	467.	10.93	122.13
398	468.	11.01	129.3
399	469.	10.34	137.9
400	470.	11.12	111.38
401	471.	11.08	130.64
402	472.	10.28	122.21
403	473.	9.79	106.86
404	474.	10.07	95.18
405	475.	9.45	117.31
406	476.	9.5	116.99
407	477.	9.28	112.43
408	478.	9.42	111.28
409	479.	9.87	95.64
410	480.	9.92	79.62
411	481.	9.56	75.58
412	482.	9.35	87.49
413	483.	8.89	87.1
414	484.	8.33	79.97
415	485.	8.55	62.87
416	486.	8.98	90.11
417	487.	9.09	109.68
418	488.	8.87	85.82
419	489.	8.77	70.64
420	490.	8.59	66.37
421	491.	9.13	58.36
422	492.	9.41	53.54
423	493.	9.9	76.2
424	494.	9.34	69.66
425	495.	8.93	68.86
426	496.	9.23	61.44
427			

	497.		58.46
428	498.	9.41	74.09
429	499.	9.35	82.7
430	500.	9.29	70.49
431	501.	10.	60.66
432	502.	9.76	67.62
433	503.	9.71	59.9
434	504.	9.42	52.04
435	505.	9.94	46.84
436	506.	9.91	57.8
437	507.	9.23	61.04
438	508.	9.78	53.1
439	509.	9.51	55.21
440	510.	9.47	57.27
441	511.	8.98	63.88
442	512.	9.23	53.67
443	513.	8.98	47.96
444	514.	8.95	54.77
445	515.	8.91	54.36
446	516.	9.67	48.85
447	517.	9.2	44.02
448	518.	8.87	38.22
449	519.	8.99	34.81
450	520.	8.66	38.62
451	521.	8.46	38.98
452	522.	8.06	36.55
453	523.	8.12	34.47
454	524.	7.61	34.25
455	525.	7.32	24.43
456	526.	7.28	22.45
457	527.	7.27	21.64
458	528.	7.1	21.85
459	529.	6.94	21.12
460	530.	6.86	20.98
461	531.	6.57	19.98
462	532.	6.56	19.51
463	533.	6.23	18.72
464	534.	6.18	17.59
465	535.	6.02	16.78
466	536.	6.39	16.75
467	537.	6.41	16.82
468	538.	6.44	15.98
469	539.	6.4	15.82
470	540.	6.45	15.87
471	541.	6.48	
472	542.	6.6	15.82
473	543.	6.57	15.88
474	544.	6.75	16.25
475	545.	6.76	16.72
476	546.	6.62	16.9
477	547.	6.72	16.95
478	548.	6.59	16.83
479	549.	6.52	16.75
480	550.	6.73	16.66
481	600.	5.	16.85
482	1200.		
483	2400.		
484	3600.		
485	4800.		
486	6000.		

487	7200.		

FIGURE 9
Model (A4) > Transient Thermal (A5) > Heat Flux

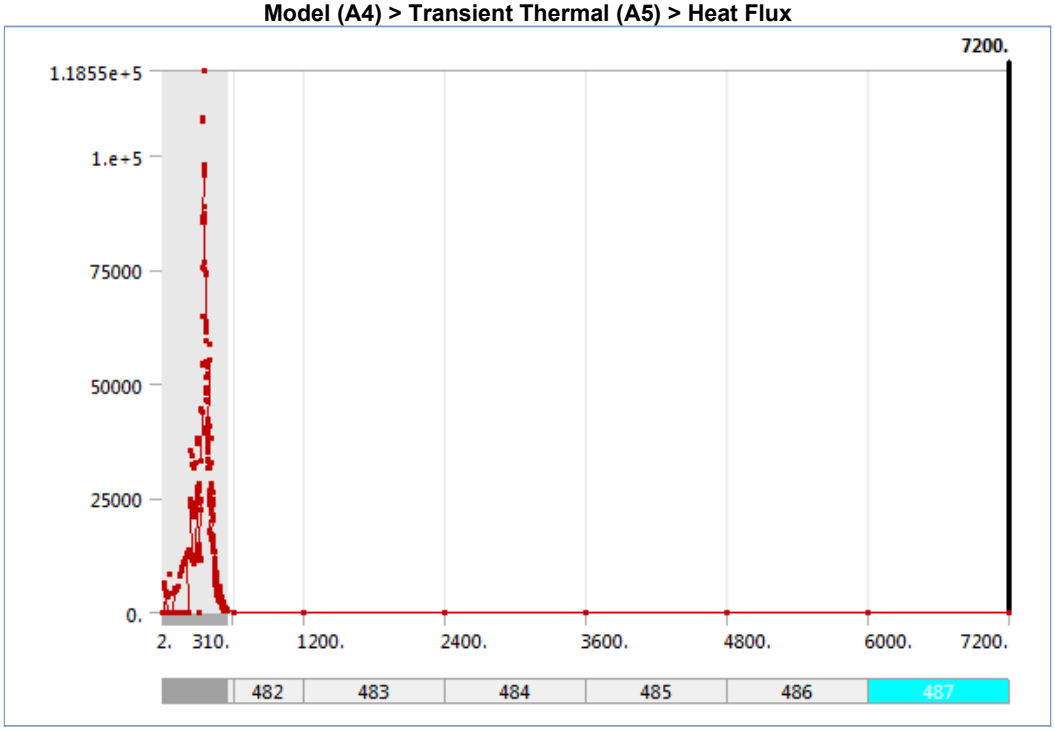


TABLE 19
Model (A4) > Transient Thermal (A5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	6316.1
9	18.	6433.8
10	20.	5484.4
11	22.	0.
12	24.	4644.2
13	26.	4364.2
14	28.	4125.2
15	30.	3968.5
16	32.	3836.1
17	34.	0.
18	36.	3790.2
19	38.	0.
20	40.	3612.4
21	42.	3656.7
22	44.	3742.2
23	46.	0.3
24	48.	0.
25	50.	
26	52.	
27	54.	
28	56.	4172.

29	58.	4183.1
30	60.	8381.7
31	62.	0.
32	64.	4194.4
33	66.	0.
34	68.	0.3
35	70.	0.
36	72.	4254.
37	74.	0.
38	76.	
39	78.	4347.9
40	80.	0.
41	82.	
42	84.	
43	86.	
44	88.	
45	90.	
46	92.	0.3
47	94.	0.
48	96.	
49	98.	4621.2
50	100.	0.
51	102.	
52	104.	
53	106.	
54	108.	
55	110.	5363.5
56	112.	5138.5
57	114.	0.
58	116.	
59	118.	
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	5722.5
67	134.	0.
68	136.	
69	138.	
70	140.	
71	141.	
72	142.	
73	143.	
74	144.	
75	145.	
76	146.	
77	147.	
78	148.	
79	149.	7832.7
80	150.	0.
81	151.	
82	152.	8333.7
83	153.	0.
84	154.	
85	155.	
86	156.	
87	157.	
88	158.	9225.8

89	159.	0.
90	160.	
91	161.	
92	162.	
93	163.	
94	164.	
95	165.	10050
96	166.	0.
97	167.	
98	168.	
99	169.	0.3
100	170.	0.
101	171.	
102	172.	
103	173.	0.3
104	174.	
105	175.	0.
106	176.	
107	177.	10773
108	178.	0.
109	179.	
110	180.	
111	181.	
112	182.	
113	183.	
114	184.	11156
115	185.	0.
116	186.	
117	187.	11852
118	188.	0.
119	189.	
120	190.	
121	191.	
122	192.	
123	193.	
124	194.	
125	195.	11716
126	196.	0.
127	197.	11781
128	198.	0.
129	199.	
130	200.	
131	201.	
132	202.	12014
133	203.	0.
134	204.	
135	205.	
136	206.	
137	207.	12564
138	208.	0.
139	209.	
140	210.	
141	211.	
142	212.	12926
143	213.	0.
144	214.	13024
145	215.	0.
146	216.	13684
147	217.	13089
148	218.	13094

149	219.	13100
150	220.	13084
151	221.	13029
152	222.	0.3
153	223.	0.
154	224.	13488
155	225.	12844
156	226.	13349
157	227.	13275
158	228.	12647
159	229.	13160
160	230.	13115
161	231.	13053
162	232.	12976
163	233.	24745
164	234.	12841
165	235.	12713
166	236.	12596
167	237.	12490
168	238.	23759
169	239.	12338
170	240.	35289
171	241.	24317
172	242.	12097
173	243.	12043
174	244.	23103
175	245.	11534
176	246.	34495
177	247.	11454
178	248.	11416
179	249.	22744
180	250.	22654
181	251.	22539
182	252.	11682
183	253.	22225
184	254.	22036
185	255.	22831
186	256.	21747
187	257.	32359
188	258.	21423
189	259.	21336
190	260.	21279
191	261.	11075
192	262.	10590
193	263.	11005
194	264.	10484
195	265.	20998
196	266.	21035
197	267.	21075
198	268.	31616
199	269.	22000
200	270.	21178
201	271.	22316
202	272.	21528
203	273.	32390
204	274.	21599
205	275.	21613
206	276.	32595
207	277.	11391
208	278.	21953
209		

	279.	11483
210	280.	22042
211	281.	22100
212	282.	23273
213	283.	11742
214	284.	22647
215	285.	11942
216	286.	24161
217	287.	23472
218	288.	12407
219	289.	24101
220	290.	24405
221	291.	37003
222	292.	24933
223	293.	37786
224	294.	38232
225	295.	25694
226	296.	25847
227	297.	26005
228	298.	26050
229	299.	26354
230	300.	26691
231	301.	13485
232	302.	27247
233	303.	27602
234	304.	27910
235	305.	28054
236	306.	14711
237	307.	14077
238	308.	28032
239	309.	13935
240	310.	27687
241	311.	13738
242	312.	0.3
243	313.	13484
244	314.	26661
245	315.	13220
246	316.	13058
247	317.	12797
248	318.	12567
249	319.	24674
250	320.	24232
251	321.	11950
252	322.	11821
253	323.	11715
254	324.	11649
255	325.	11565
256	326.	11485
257	327.	11349
258	328.	22519
259	329.	11697
260	330.	22316
261	331.	44435
262	332.	44203
263	333.	33116
264	334.	43951
265	335.	54588
266	336.	54284
267	337.	54068
268	338.	75627
269		

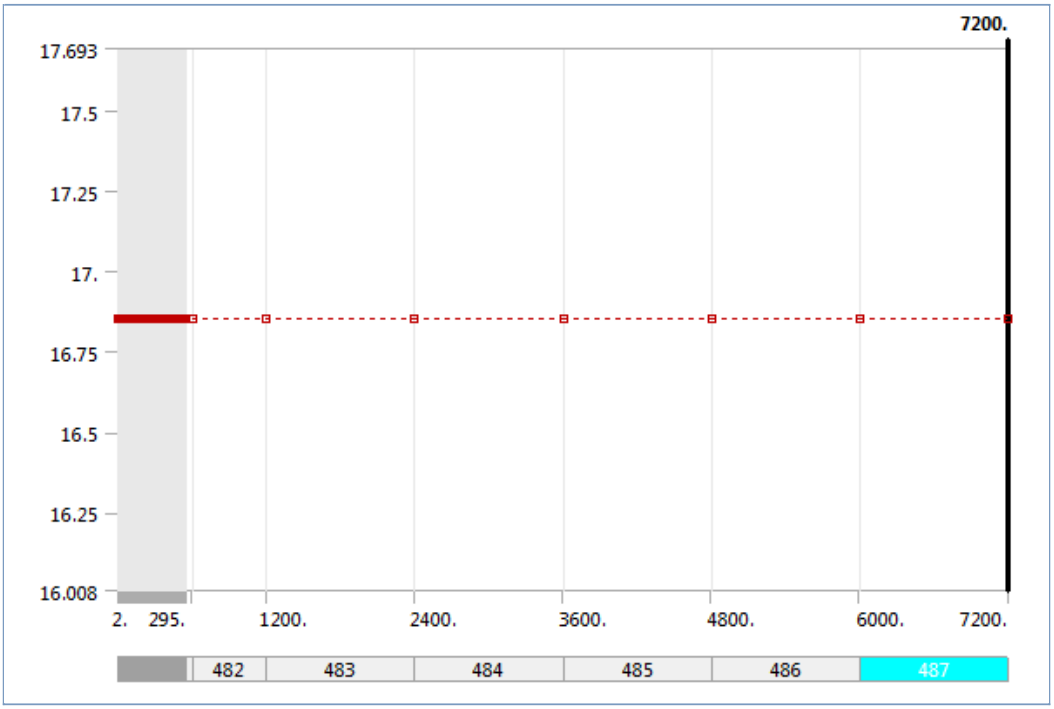
	339.	64849
270	340.	54152
271	341.	64984
272	342.	64947
273	343.	86631
274	344.	1.0824e+005
275	345.	86400
276	346.	1.0732e+005
277	347.	85598
278	348.	85339
279	349.	95868
280	350.	95715
281	351.	95691
282	352.	85302
283	353.	96781
284	354.	86390
285	355.	88893
286	356.	76616
287	357.	87384
288	358.	97892
289	359.	97400
290	360.	1.1855e+005
291	361.	75167
292	362.	85434
293	363.	63817
294	364.	74193
295	365.	73844
296	366.	63012
297	367.	62662
298	368.	62470
299	369.	51572
300	370.	61317
301	371.	40258
302	372.	59592
303	373.	49001
304	374.	48096
305	375.	39437
306	376.	46471
307	377.	54714
308	378.	53822
309	379.	46115
310	380.	52066
311	381.	42469
312	382.	33350
313	383.	40985
314	384.	33589
315	385.	39783
316	386.	39266
317	387.	38625
318	388.	31786
319	389.	37454
320	390.	36754
321	391.	36015
322	392.	35203
323	393.	55233
324	394.	40675
325	395.	26740
326	396.	26355
327	397.	58593
328	398.	32170
329		

	399.	25556
330	400.	31482
331	401.	24916
332	402.	25674
333	403.	24261
334	404.	18071
335	405.	23916
336	406.	23570
337	407.	17466
338	408.	23046
339	409.	17169
340	410.	28304
341	411.	22318
342	412.	22102
343	413.	21997
344	414.	21864
345	415.	38095
346	416.	27160
347	417.	21794
348	418.	16283
349	419.	21695
350	420.	32626
351	421.	16280
352	422.	16141
353	423.	21421
354	424.	21273
355	425.	26332
356	426.	20830
357	427.	15349
358	428.	20102
359	429.	24719
360	430.	14554
361	431.	23739
362	432.	13948
363	433.	13567
364	434.	13222
365	435.	21514
366	436.	16756
367	437.	16289
368	438.	11947
369	439.	11747
370	440.	7645.5
371	441.	11206
372	442.	7263.1
373	443.	7031.1
374	444.	10256
375	445.	13340
376	446.	9764.5
377	447.	9574.3
378	448.	6222.6
379	449.	9134.
380	450.	11864
381	451.	8668.3
382	452.	8451.6
383	453.	5516.3
384	454.	5439.4
385	455.	5320.2
386	456.	5139.5
387	457.	7431.4
388	458.	7130.2
389		

	459.	4591.6
390	460.	8915.8
391	461.	4320.1
392	462.	6268.9
393	463.	4094.4
394	464.	7975.6
395	465.	5808.9
396	466.	3786.2
397	467.	3678.1
398	468.	5371.2
399	469.	3480.1
400	470.	5063.5
401	471.	3262.2
402	472.	3118.9
403	473.	4500.9
404	474.	2895.
405	475.	2775.8
406	476.	5341.3
407	477.	2581.5
408	478.	2507.8
409	479.	4876.6
410	480.	4765.4
411	481.	3471.8
412	482.	5622.4
413	483.	4373.4
414	484.	3179.9
415	485.	4116.7
416	486.	3980.6
417	487.	2895.3
418	488.	2805.5
419	489.	3608.7
420	490.	2611.7
421	491.	4998.3
422	492.	3209.4
423	493.	3074.4
424	494.	2969.2
425	495.	2170.4
426	496.	2863.9
427	497.	3559.9
428	498.	2092.6
429	499.	2730.9
430	500.	2663.6
431	501.	1950.9
432	502.	2550.4
433	503.	1248.
434	504.	1825.7
435	505.	1780.7
436	506.	1158.1
437	507.	1128.3
438	508.	1098.8
439	509.	1083.1
440	510.	1604.2
441	511.	1053.4
442	512.	1034.6
443	513.	1011.8
444	514.	516.3
445	515.	1953.8
446	516.	638.1
447	517.	1407.1
448	518.	2282.8
449		

	519.	891.9
450	520.	1317.1
451	521.	862.1
452	522.	1264.5
453	523.	1252.4
454	524.	827.
455	525.	1233.4
456	526.	808.2
457	527.	1056.5
458	528.	1172.8
459	529.	772.8
460	530.	769.1
461	531.	757.8
462	532.	748.9
463	533.	740.3
464	534.	716.7
465	535.	691.5
466	536.	682.3
467	537.	686.1
468	538.	685.8
469	539.	675.8
470	540.	659.8
471	541.	648.4
472	542.	430.2
473	543.	640.2
474	544.	328.8
475	545.	952.4
476	546.	416.8
477	547.	617.5
478	548.	607.2
479	549.	397.7
480	550.	392.6
481	600.	0.
482	1200.	
483	2400.	
484	3600.	
485	4800.	
486	6000.	
487	7200.	

FIGURE 10
Model (A4) > Transient Thermal (A5) > Radiation



Solution (A6)

TABLE 20
Model (A4) > Transient Thermal (A5) > Solution

Object Name	*Solution (A6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	26 m 26 s
MAPDL Memory Used	762. MB
MAPDL Result File Size	2.9089 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 21
Model (A4) > Transient Thermal (A5) > Solution (A6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 22
Model (A4) > Transient Thermal (A5) > Solution (A6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	24.009 °C	-0.57154 °C
Maximum	436.99 °C	16.85 °C

FIGURE 11
Model (A4) > Transient Thermal (A5) > Solution (A6) > Solution Information > Temperature - Global Maximum

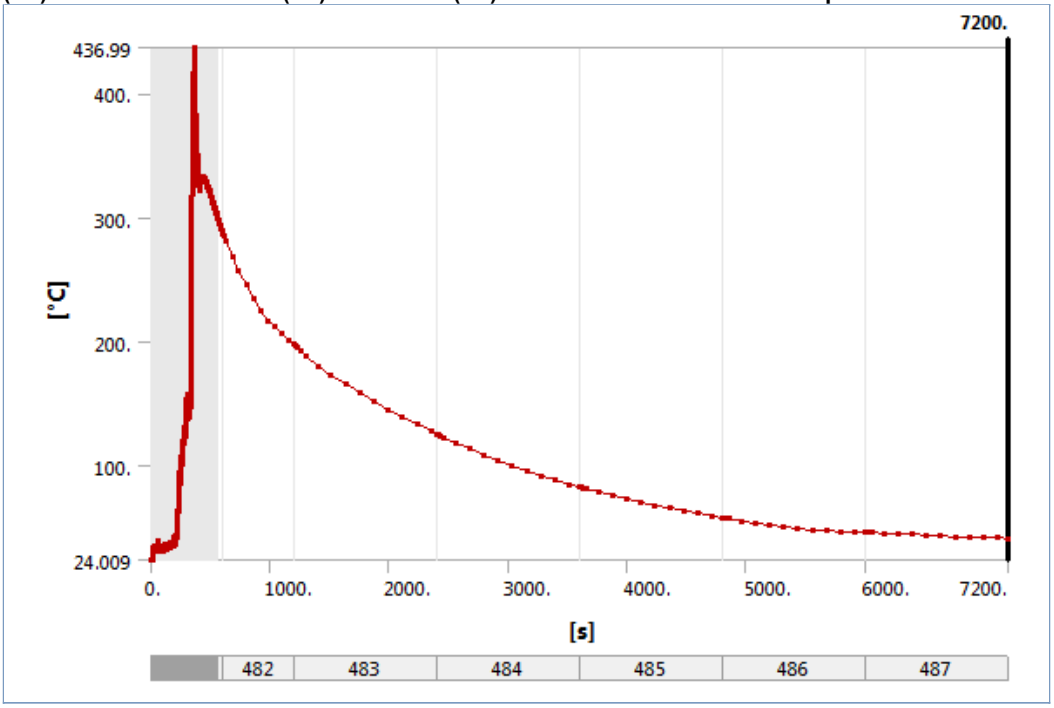


FIGURE 12
Model (A4) > Transient Thermal (A5) > Solution (A6) > Solution Information > Temperature - Global Minimum

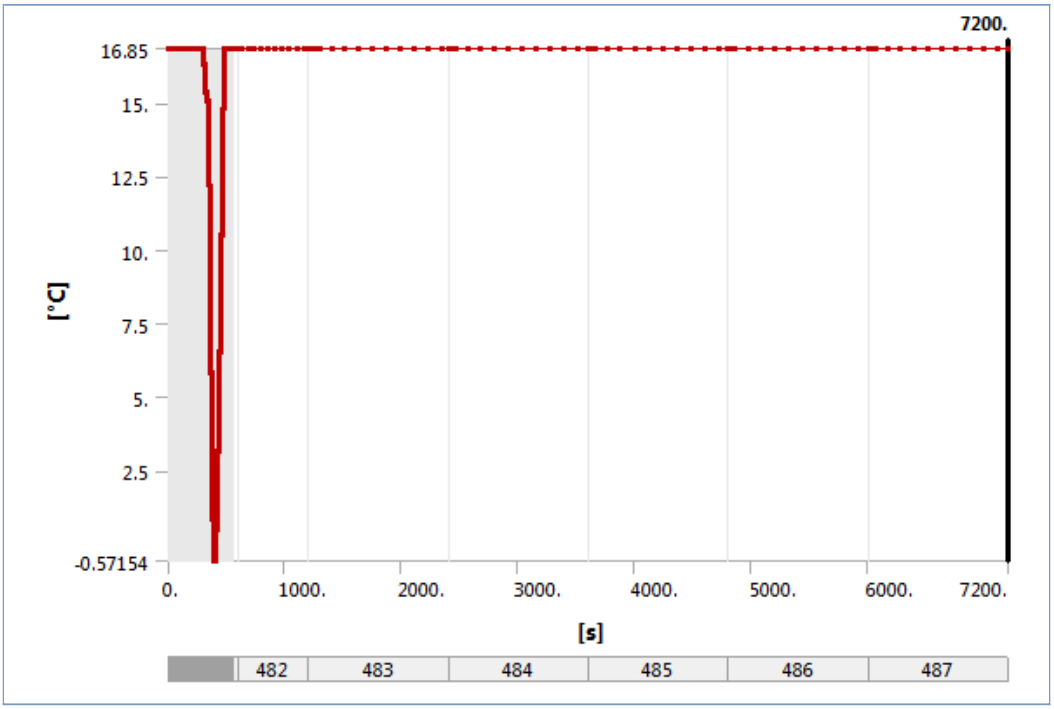


TABLE 23
Model (A4) > Transient Thermal (A5) > Solution (A6) > Results

Object Name	*Temperature*	*Temperature 2*	*Temperature 3*	*Temperature 4*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	6 Faces	4 Faces
Definition				
Type	Temperature			
By	Time			
Display Time	Last			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	21.623 °C	23.931 °C	28.462 °C	21.623 °C
Maximum	41.346 °C	40.099 °C	37.905 °C	35.427 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	-0.57155 °C	23.393 °C	23.89 °C	21.588 °C
Maximum	22.25 °C	23.931 °C	28.765 °C	52.051 °C
Maximum Value Over Time				
Minimum	24.009 °C	23.89 °C		23.994 °C
Maximum	436.99 °C	109.19 °C	225.57 °C	436.99 °C
Information				
Time	7200. s			
Load Step	487			
Substep	13			
Iteration Number	6418			

FIGURE 13
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature

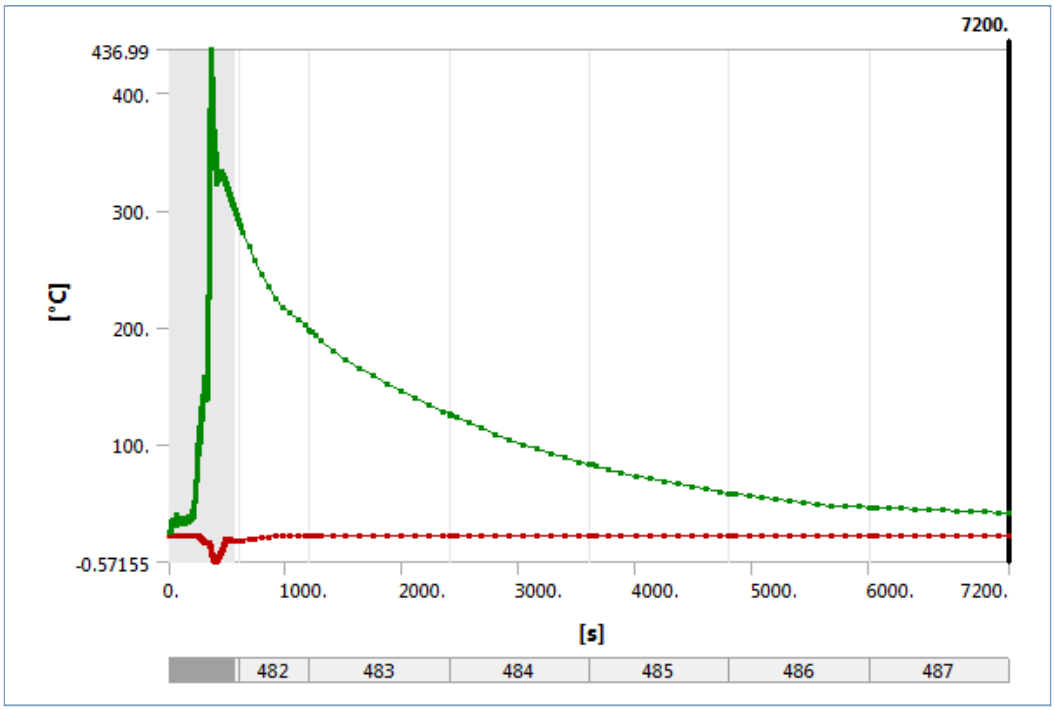


TABLE 24
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002		24.131
2.e-002		24.13
5.e-002		
0.14		24.129
0.41		24.126
1.22		24.119
2.		24.112
2.02		
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		24.095
4.02		
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088
5.08		24.086
5.28		24.084
5.48		24.083
5.68		24.081
5.88		24.079
6.		

6.02	24.078
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.066
7.68	24.064
7.88	24.062
8.	24.061
8.02	
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.056
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.049
9.68	24.047
9.88	24.046
10.	24.045
10.02	24.044
10.04	
10.1	
10.28	24.042
10.48	24.041
10.68	24.039
10.88	24.037
11.08	24.036
11.28	24.034
11.48	24.032
11.68	24.031
11.88	24.029
12.	24.028
12.02	
12.04	
12.1	24.027
12.28	24.026
12.48	24.024
12.68	24.022
12.88	24.021
13.08	24.019
13.28	24.018
13.48	24.016
13.68	24.014
13.88	24.013
14.	24.012
14.02	
14.04	24.011
14.1	
14.28	24.009
14.42	24.156
14.559	24.366
14.759	24.722
14.959	25.147

15.159	25.627
15.359	26.151
15.559	26.715
15.759	27.317
15.88	27.692
16.	28.079
16.02	28.142
16.04	28.203
16.1	28.373
16.28	28.817
16.48	29.257
16.68	29.66
16.88	30.033
17.08	30.383
17.28	30.715
17.48	31.03
17.68	31.331
17.88	31.621
18.	31.791
18.02	31.819
18.04	31.846
18.1	31.924
18.28	32.136
18.48	32.349
18.68	32.543
18.88	32.72
19.08	32.882
19.28	33.031
19.48	33.168
19.68	33.293
19.88	33.408
20.	33.473
20.02	33.482
20.04	33.489
20.1	33.5
20.28	33.456
20.48	33.337
20.68	33.161
20.88	32.935
21.08	32.666
21.28	32.356
21.48	32.009
21.68	31.628
21.88	31.214
22.	30.955
22.02	30.915
22.04	30.878
22.1	30.79
22.28	30.652
22.48	30.609
22.68	30.648
22.88	30.754
23.08	30.917
23.28	31.13
23.48	31.387
23.68	31.683
23.88	32.016
24.	32.228
24.02	32.262
24.04	32.295
24.1	

	32.383
24.28	32.601
24.48	32.805
24.68	32.983
24.88	33.142
25.08	33.286
25.28	33.417
25.48	33.538
25.68	33.651
25.88	33.755
26.	33.816
26.02	33.826
26.04	33.835
26.1	33.865
26.28	33.949
26.48	34.037
26.68	34.121
26.88	34.201
27.08	34.277
27.28	34.35
27.48	34.419
27.68	34.486
27.88	34.549
28.	34.586
28.02	34.593
28.04	34.599
28.1	34.617
28.28	34.672
28.48	34.732
28.68	34.79
28.88	34.846
29.08	34.901
29.28	34.955
29.48	35.007
29.68	35.058
29.88	35.108
30.	35.137
30.02	35.142
30.04	35.147
30.1	35.161
30.28	35.204
30.48	35.251
30.68	35.296
30.88	35.341
31.08	35.385
31.28	35.427
31.48	35.469
31.68	35.51
31.88	35.55
32.	35.574
32.02	35.576
32.04	35.577
32.1	35.572
32.28	35.501
32.48	35.371
32.68	35.2
32.88	34.994
33.08	34.757
33.28	34.493
33.48	34.204
33.68	

	33.891
33.88	33.556
34.	33.348
34.02	33.316
34.04	33.286
34.1	33.213
34.28	33.093
34.48	33.044
34.68	33.059
34.88	33.127
35.08	33.24
35.28	33.392
35.48	33.579
35.68	33.798
35.88	34.046
36.	34.205
36.02	34.229
36.04	34.251
36.1	34.3
36.28	34.354
36.48	34.336
36.68	34.258
36.88	34.132
37.08	33.964
37.28	33.761
37.48	33.526
37.68	33.262
37.88	32.972
38.	32.788
38.02	32.76
38.04	32.734
38.1	32.673
38.28	32.58
38.48	32.555
38.68	32.59
38.88	32.673
39.08	32.798
39.28	32.959
39.48	33.153
39.68	33.375
39.88	33.625
40.	33.783
40.02	33.809
40.04	33.833
40.1	33.9
40.28	34.066
40.48	34.224
40.68	34.364
40.88	34.491
41.08	34.607
41.28	34.715
41.48	34.817
41.68	34.913
41.88	35.004
42.	35.057
42.02	35.066
42.04	35.075
42.1	35.101
42.28	35.178
42.48	35.26
42.68	

	35.34
42.88	35.419
43.08	35.495
43.28	35.57
43.48	35.644
43.68	35.716
43.88	35.787
44.	35.83
44.02	35.835
44.04	35.84
44.1	35.843
44.28	35.796
44.48	35.691
44.68	35.544
44.88	35.362
45.08	35.148
45.28	34.905
45.48	34.637
45.68	34.345
45.88	34.03
46.	33.833
46.02	33.802
46.04	33.771
46.1	33.687
46.28	33.473
46.48	33.268
46.68	33.084
46.88	32.918
47.08	32.765
47.28	32.634
47.48	32.522
47.68	32.417
47.88	32.317
48.	32.259
48.02	32.25
48.04	32.24
48.1	32.212
48.28	32.13
48.48	32.044
48.68	31.961
48.88	31.881
49.08	31.804
49.28	31.73
49.48	31.658
49.68	31.589
49.88	31.521
50.	31.482
50.02	31.475
50.04	31.468
50.1	31.449
50.28	31.392
50.48	31.33
50.68	31.27
50.88	31.211
51.08	31.154
51.28	31.098
51.48	31.044
51.68	30.991
51.88	30.939
52.	30.908
52.02	

	30.903
52.04	30.897
52.1	30.882
52.28	30.837
52.48	30.788
52.68	30.74
52.88	30.693
53.08	30.647
53.28	30.602
53.48	30.557
53.68	30.513
53.88	30.47
54.	30.445
54.02	30.442
54.04	30.44
54.1	30.447
54.28	30.525
54.48	30.665
54.68	30.846
54.88	31.061
55.08	31.306
55.28	31.577
55.48	31.873
55.68	32.192
55.88	32.532
56.	32.744
56.02	32.778
56.04	32.811
56.1	32.901
56.28	33.127
56.48	33.345
56.68	33.54
56.88	33.719
57.08	33.885
57.28	34.055
57.48	34.223
57.68	34.382
57.88	34.534
58.	34.622
58.02	34.638
58.04	34.656
58.1	34.718
58.28	34.962
58.48	35.284
58.68	35.647
58.88	36.044
59.08	36.47
59.28	36.924
59.48	37.401
59.68	37.901
59.88	38.423
60.	38.743
60.02	38.792
60.04	38.837
60.1	38.943
60.28	39.088
60.48	39.098
60.68	38.989
60.88	38.781
61.08	38.488
61.28	

	38.12
61.48	37.683
61.68	37.183
61.861	36.685
62.	36.273
62.02	36.218
62.04	36.167
62.1	36.039
62.28	35.801
62.48	35.659
62.68	35.607
62.88	35.628
63.08	35.708
63.28	35.84
63.48	36.017
63.68	36.234
63.88	36.488
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64.1	36.749
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64.68	36.668
64.88	36.52
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67.28	33.899
67.48	33.788
67.68	33.684
67.88	33.585
68.	33.527
68.02	33.518
68.04	33.508
68.1	33.48
68.28	33.4
68.48	33.314
68.68	33.232
68.88	33.154
69.08	33.078
69.28	33.005
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69.68	32.865
69.88	32.799
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70.88	33.305
71.08	33.538
71.28	33.8
71.48	34.086
71.68	34.397
71.88	34.73
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72.02	34.97
72.04	34.999
72.1	35.067
72.28	35.168
72.48	35.193
72.68	35.154
72.88	35.065
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73.48	34.562
73.68	34.33
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74.04	33.856
74.1	33.789
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74.88	33.244
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75.28	33.047
75.48	32.96
75.68	32.878
75.88	32.8
76.	32.755
76.02	32.749
76.04	32.745
76.1	32.742
76.28	32.8
76.48	32.921
76.68	33.087
76.88	33.291
77.08	33.528
77.28	33.793
77.48	34.086
77.68	34.403
77.88	34.744
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78.02	34.989
78.04	35.018
78.1	35.089
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78.68	35.181
78.88	35.091
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79.48	34.584
79.68	34.35
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80.68	33.369
80.88	33.257
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81.28	33.062
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81.68	32.895
81.88	32.819
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82.48	32.612
82.68	32.55
82.88	32.49
83.08	32.433
83.28	32.377
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83.68	32.272
83.88	32.222
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85.68	31.829
85.88	31.791
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86.28	31.716
86.48	31.688
86.68	31.685
86.88	31.681
87.08	31.677
87.28	31.674
87.48	31.67
87.68	31.667
87.88	31.663
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88.48	31.653
88.68	31.649

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90.48	31.62
90.68	31.617
90.88	31.614
91.08	31.611
91.28	31.608
91.48	31.605
91.68	31.602
91.88	31.599
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92.02	
92.04	
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92.28	31.593
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92.68	31.587
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93.08	31.582
93.28	31.579
93.48	31.576
93.68	31.573
93.88	31.57
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94.04	
94.1	31.567
94.28	31.565
94.48	31.562
94.68	31.559
94.88	31.557
95.08	31.554
95.28	31.551
95.48	31.549
95.68	31.546
95.88	31.543
96.	31.542
96.02	
96.04	31.541
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96.715	31.676
96.915	31.741
97.115	31.813
97.315	31.937
97.515	32.294
97.715	32.676
97.915	33.081
98.	33.258

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98.88	33.554
99.08	33.444
99.28	33.293
99.48	33.106
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100.04	32.432
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100.28	32.221
100.48	32.091
100.68	32.02
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102.88	31.968
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103.88	31.952
104.	31.95
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104.68	31.939
104.88	31.936
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105.28	31.929
105.48	31.926
105.68	31.923
105.88	31.92
106.	31.918
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106.28	31.914
106.48	31.911
106.68	31.908
106.88	31.906

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107.48	31.897
107.68	31.894
107.88	31.891
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108.02	31.889
108.04	
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108.28	31.921
108.4	31.949
108.52	31.982
108.72	32.049
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109.32	32.315
109.52	32.733
109.72	33.179
109.92	33.652
110.	33.851
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112.	36.443
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112.04	36.476
112.1	36.511
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115.28	33.47
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115.88	33.189
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117.68	32.92
117.88	32.916
118.	32.913
118.02	
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118.88	32.896
119.08	32.892
119.28	32.888
119.48	32.885
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120.28	32.871
120.48	32.867
120.68	32.864
120.88	32.86
121.08	32.857
121.28	32.854
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121.68	32.847
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122.	32.842
122.02	
122.04	
122.1	32.841
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122.48	32.835
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122.88	32.829
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124.	32.812
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124.04	
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124.88	32.8
125.08	32.798
125.28	32.795

125.48	32.792
125.68	32.79
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126.	32.785
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126.1	32.784
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126.48	32.779
126.68	32.777
126.88	32.774
127.08	32.772
127.28	32.769
127.48	32.767
127.68	32.764
127.88	32.762
128.	32.761
128.02	32.76
128.04	
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128.28	32.757
128.48	32.755
128.68	32.752
128.88	32.75
129.08	32.748
129.28	32.745
129.48	32.743
129.68	32.741
129.88	32.739
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130.28	32.775
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130.93	33.
131.13	33.091
131.33	33.19
131.53	33.297
131.73	33.759
131.93	34.269
132.	34.45
132.02	34.498
132.04	34.542
132.1	34.651
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132.48	34.918
132.68	34.944
132.88	34.891
133.08	34.77
133.28	34.59
133.48	34.357
133.68	34.076
133.83	33.832
133.92	33.694
134.	33.548
134.02	33.515
134.04	33.485

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134.48	33.369
134.68	33.355
134.88	33.345
135.08	33.337
135.28	33.331
135.48	33.325
135.68	33.32
135.88	33.316
136.	33.314
136.02	33.313
136.04	
136.1	33.312
136.28	33.308
136.48	33.305
136.68	33.301
136.88	33.298
137.08	33.294
137.28	33.291
137.48	33.288
137.68	33.284
137.88	33.281
138.	33.279
138.02	
138.04	
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138.28	33.275
138.48	33.272
138.68	33.269
138.88	33.266
139.08	33.263
139.28	33.26
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139.68	33.254
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140.24	33.246
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140.84	33.237
140.94	33.236
141.	33.235
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141.05	
141.14	33.233
141.24	33.232
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141.54	33.228
141.64	33.227
141.74	33.225

141.84	33.224
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142.14	33.22
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143.05	
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144.	33.197
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144.84	33.187
144.94	33.186
145.	33.185
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145.02	
145.05	33.184
145.14	33.183
145.24	33.182
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145.54	33.179
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145.84	33.175
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146.	33.173
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146.05	
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147.05	
147.14	33.161
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147.84	33.153
147.94	33.152
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148.11	33.172
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148.31	33.29
148.41	33.366
148.51	33.45
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148.81	33.751
148.91	33.865
149.	34.253
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149.24	34.812
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149.54	34.775
149.64	34.634
149.74	34.44
149.84	34.198
149.94	33.917
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150.02	33.762
150.05	33.748
150.14	33.716
150.24	33.687
150.34	33.665
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150.64	33.617
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150.94	33.59
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152.	35.866
152.01	35.919
152.02	35.969
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152.14	36.346
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154.02	34.02
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157.41	34.198
157.51	34.297
157.61	34.406
157.71	34.717
157.81	35.274
157.91	35.875
158.	36.446
158.01	36.507
158.02	36.564
158.05	36.713
158.14	37.004
158.24	37.183
158.34	37.249
158.44	37.22
158.54	37.112
158.64	36.933
158.74	36.691
158.84	36.392
158.94	36.047
159.	35.812
159.01	35.775
159.02	35.739
159.05	35.641
159.14	35.403
159.24	35.184
159.34	34.998
159.44	34.836
159.54	34.693
159.64	34.565
159.74	34.465
159.84	34.454
159.94	34.444
160.	34.439
160.01	
160.02	34.438
160.05	34.436

160.14	34.43
160.24	34.424
160.34	34.419
160.44	34.415
160.54	34.411
160.64	34.407
160.74	34.403
160.84	34.4
160.94	34.397
161.	34.396
161.01	34.395
161.02	
161.05	34.394
161.14	34.392
161.24	34.39
161.34	34.387
161.44	34.385
161.54	34.382
161.64	34.38
161.74	34.378
161.84	34.375
161.94	34.373
162.	34.372
162.01	34.371
162.02	
162.05	
162.14	34.369
162.24	34.366
162.34	34.364
162.44	34.362
162.54	34.36
162.64	34.357
162.74	34.355
162.84	34.353
162.94	34.351
163.	34.35
163.01	34.349
163.02	
163.05	
163.14	34.347
163.24	34.345
163.34	34.343
163.44	34.34
163.54	34.338
163.64	34.336
163.74	34.334
163.84	34.332
163.94	34.33
164.	34.329
164.01	
164.02	
164.05	34.328
164.11	34.356
164.21	34.423
164.31	34.506
164.41	34.603
164.51	34.71
164.61	34.829
164.71	35.147
164.81	35.761

164.91	36.418
165.	37.042
165.01	37.108
165.02	37.171
165.05	37.334
165.14	37.653
165.24	37.852
165.34	37.927
165.44	37.9
165.54	37.785
165.64	37.594
165.74	37.335
165.84	37.014
165.94	36.644
166.	36.39
166.01	36.35
166.02	36.312
166.05	36.206
166.14	35.95
166.24	35.715
166.34	35.516
166.44	35.343
166.54	35.19
166.64	35.053
166.74	34.928
166.84	34.885
166.94	34.874
167.	34.869
167.01	34.868
167.02	34.867
167.05	34.865
167.14	34.859
167.24	34.853
167.34	34.847
167.44	34.843
167.54	34.838
167.64	34.834
167.74	34.831
167.84	34.827
167.94	34.824
168.	34.823
168.01	34.822
168.02	
168.05	34.821
168.14	34.819
168.24	34.816
168.34	34.814
168.44	34.811
168.54	34.809
168.64	34.806
168.74	34.804
168.84	34.801
168.94	34.799
169.	34.797
169.01	
169.02	
169.05	34.796
169.14	34.794
169.24	34.792
169.34	34.789

169.44	34.787
169.54	34.785
169.64	34.782
169.74	34.78
169.84	34.778
169.94	34.775
170.	34.774
170.01	
170.02	
170.05	34.773
170.14	34.771
170.24	34.769
170.34	34.767
170.44	34.764
170.54	34.762
170.64	34.76
170.74	34.758
170.84	34.756
170.94	34.753
171.	34.752
171.01	
171.02	
171.05	34.751
171.14	34.749
171.24	34.747
171.34	34.745
171.44	34.743
171.54	34.741
171.64	34.739
171.74	34.736
171.84	34.734
171.94	34.732
172.	34.731
172.01	
172.02	
172.05	34.73
172.14	34.728
172.24	34.726
172.34	34.724
172.44	34.722
172.54	34.72
172.64	34.718
172.74	34.716
172.84	34.714
172.94	34.712
173.	34.711
173.01	
173.02	
173.05	34.71
173.14	34.708
173.24	34.706
173.34	34.704
173.44	34.702
173.54	34.7
173.64	34.699
173.74	34.697
173.84	34.695
173.94	34.693
174.	34.692
174.01	

174.02	34.691
174.05	
174.14	34.689
174.24	34.687
174.34	34.685
174.44	34.683
174.54	34.682
174.64	34.68
174.74	34.678
174.84	34.676
174.94	34.674
175.	34.673
175.01	
175.02	
175.05	34.672
175.14	34.67
175.24	34.669
175.34	34.667
175.44	34.665
175.54	34.663
175.64	34.661
175.74	34.66
175.84	34.658
175.94	34.656
176.	34.655
176.01	
176.02	
176.05	34.654
176.11	34.679
176.21	34.752
176.31	34.841
176.41	34.945
176.51	35.061
176.61	35.188
176.71	35.326
176.81	35.559
176.91	36.272
177.	36.949
177.01	37.021
177.02	37.089
177.05	37.266
177.14	37.615
177.24	37.836
177.34	37.924
177.44	37.903
177.54	37.787
177.64	37.59
177.74	37.32
177.84	36.983
177.94	36.595
178.	36.325
178.01	36.283
178.02	36.243
178.05	36.132
178.14	35.863
178.24	35.618
178.34	35.411
178.44	35.323
178.54	35.301
178.64	35.284

178.74	35.269
178.84	35.256
178.94	35.246
179.	35.24
179.01	35.239
179.02	
179.05	35.236
179.14	35.23
179.24	35.224
179.34	35.218
179.44	35.213
179.54	35.209
179.64	35.205
179.74	35.202
179.84	35.199
179.94	35.196
180.	35.195
180.01	
180.02	35.194
180.05	35.193
180.14	35.191
180.24	35.189
180.34	35.186
180.44	35.184
180.54	35.181
180.64	35.179
180.74	35.177
180.84	35.174
180.94	35.172
181.	35.171
181.01	35.17
181.02	
181.05	
181.14	35.167
181.24	35.165
181.34	35.163
181.44	35.161
181.54	35.158
181.64	35.156
181.74	35.154
181.84	35.152
181.94	35.15
182.	35.148
182.01	
182.02	
182.05	35.147
182.14	35.145
182.24	35.143
182.34	35.141
182.44	35.139
182.54	35.136
182.64	35.134
182.74	35.132
182.84	35.13
182.94	35.128
183.	35.127
183.01	35.126
183.02	
183.05	
183.11	35.153

183.21	35.228
183.31	35.321
183.41	35.427
183.51	35.547
183.61	35.679
183.71	35.821
183.81	36.432
183.91	37.164
184.	37.859
184.01	37.933
184.02	38.003
184.05	38.184
184.14	38.541
184.24	38.763
184.34	38.849
184.44	38.821
184.54	38.696
184.64	38.487
184.74	38.202
184.84	37.848
184.94	37.44
185.	37.159
185.01	37.115
185.02	37.072
185.05	36.956
185.14	36.674
185.24	36.416
185.34	36.197
185.44	36.008
185.54	35.84
185.64	35.773
185.74	35.758
185.84	35.744
185.94	35.733
186.	
186.01	35.727
186.02	
186.05	35.735
186.11	35.765
186.21	35.839
186.3	35.927
186.4	36.209
186.5	36.693
186.6	37.248
186.7	37.866
186.8	38.542
186.9	39.273
187.	40.062
187.01	40.136
187.02	40.207
187.05	40.388
187.14	40.735
187.24	40.937
187.34	40.996
187.44	40.936
187.54	40.775
187.64	40.525
187.74	40.196
187.84	39.795
187.94	39.328

188.	39.025
188.01	38.977
188.02	38.929
188.05	38.799
188.14	38.48
188.24	38.185
188.34	37.933
188.44	37.712
188.54	37.516
188.64	37.339
188.74	37.179
188.84	37.031
188.94	36.895
189.	36.817
189.01	36.804
189.02	36.791
189.05	36.754
189.14	36.648
189.24	36.538
189.34	36.434
189.44	36.337
189.54	36.293
189.64	36.288
189.74	36.283
189.84	36.279
189.94	36.275
190.	36.273
190.01	36.272
190.02	
190.05	36.271
190.14	36.268
190.24	36.264
190.34	36.261
190.44	36.258
190.54	36.254
190.64	36.251
190.74	36.248
190.84	36.245
190.94	36.242
191.	36.24
191.01	
191.02	36.239
191.05	36.238
191.14	36.236
191.24	36.233
191.34	36.23
191.44	36.227
191.54	36.224
191.64	36.221
191.74	36.218
191.84	36.215
191.94	36.212
192.	36.21
192.01	
192.02	
192.05	36.209
192.14	36.206
192.24	36.203
192.34	36.201
192.44	36.198

192.54	36.195
192.64	36.192
192.74	36.19
192.84	36.187
192.94	36.184
193.	36.183
193.01	36.182
193.02	
193.05	36.181
193.14	36.179
193.24	36.176
193.34	36.174
193.44	36.171
193.54	36.168
193.64	36.166
193.74	36.163
193.84	36.161
193.94	36.158
194.	36.157
194.01	36.156
194.02	
194.05	36.155
194.11	36.186
194.16	36.223
194.22	36.267
194.32	36.365
194.42	36.478
194.52	36.605
194.62	36.744
194.72	37.258
194.82	37.977
194.92	38.746
195.	39.413
195.01	39.49
195.02	39.563
195.05	39.752
195.14	40.124
195.24	40.354
195.34	40.441
195.44	40.408
195.54	40.274
195.64	40.051
195.74	39.748
195.84	39.372
195.94	38.941
196.	38.643
196.01	38.599
196.02	38.559
196.05	38.466
196.14	38.374
196.24	38.443
196.34	38.645
196.44	38.958
196.54	39.363
196.64	39.85
196.74	40.409
196.84	41.034
196.94	41.719
197.	42.151
197.01	42.219

197.02	42.283
197.05	42.447
197.14	42.746
197.24	42.903
197.34	42.92
197.44	42.822
197.54	42.627
197.64	42.347
197.74	41.99
197.84	41.564
197.94	41.073
198.	40.757
198.01	40.706
198.02	40.657
198.05	40.52
198.14	40.182
198.24	39.868
198.34	39.597
198.44	39.358
198.54	39.145
198.64	38.952
198.74	38.776
198.84	38.613
198.94	38.463
199.	38.377
199.01	38.362
199.02	38.348
199.05	38.307
199.14	38.189
199.24	38.066
199.34	37.95
199.44	37.841
199.54	37.737
199.64	37.638
199.74	37.544
199.84	37.454
199.94	37.368
200.	37.331
200.01	37.33
200.02	
200.05	37.329
200.14	37.325
200.24	37.321
200.34	37.317
200.44	37.314
200.54	37.31
200.64	37.306
200.74	37.303
200.84	37.299
200.94	37.296
201.	37.294
201.01	37.293
201.02	
201.05	37.292
201.1	37.318
201.2	37.395
201.29	37.48
201.38	37.637
201.48	38.139
201.58	38.71

201.68	39.344
201.78	40.035
201.88	40.781
201.94	41.257
202.	41.752
202.01	41.829
202.02	41.902
202.05	42.09
202.14	42.452
202.24	42.669
202.34	42.738
202.44	42.686
202.54	42.53
202.64	42.283
202.74	41.955
202.84	41.554
202.94	41.09
203.	40.78
203.01	40.731
203.02	40.683
203.05	40.553
203.14	40.232
203.24	39.935
203.34	39.682
203.44	39.46
203.54	39.262
203.64	39.084
203.74	38.921
203.84	38.772
203.94	38.634
204.	38.555
204.01	38.542
204.02	38.529
204.05	38.491
204.14	38.383
204.24	38.27
204.34	38.164
204.44	38.064
204.54	37.969
204.64	37.878
204.74	37.862
204.84	37.857
204.94	37.853
205.	37.85
205.01	
205.02	37.849
205.05	37.848
205.14	37.845
205.24	37.841
205.34	37.837
205.44	37.834
205.54	37.83
205.64	37.826
205.74	37.823
205.84	37.819
205.94	37.816
206.	37.814
206.01	37.813
206.02	
206.04	37.812

206.09	37.835
206.18	37.906
206.26	37.986
206.35	38.078
206.45	38.393
206.55	38.976
206.65	39.627
206.75	40.339
206.85	41.108
206.95	41.931
207.	42.363
207.01	42.443
207.02	42.52
207.05	42.718
207.14	43.101
207.24	43.331
207.34	43.408
207.44	43.357
207.54	43.197
207.64	42.943
207.74	42.603
207.84	42.186
207.94	41.705
208.	41.382
208.01	41.331
208.02	41.282
208.05	41.145
208.14	40.812
208.24	40.505
208.34	40.242
208.44	40.013
208.54	39.809
208.64	39.625
208.74	39.457
208.84	39.303
208.94	39.161
209.	39.079
209.01	39.066
209.02	39.052
209.05	39.013
209.14	38.902
209.24	38.787
209.34	38.678
209.44	38.574
209.54	38.477
209.64	38.419
209.74	38.414
209.84	38.409
209.94	38.404
210.	38.401
210.01	
210.02	
210.05	38.399
210.14	38.396
210.24	38.392
210.34	38.388
210.44	38.384
210.54	38.381
210.64	38.377
210.74	38.373

210.84	38.37
210.94	38.366
211.	38.364
211.01	
211.02	38.363
211.04	
211.09	38.387
211.18	38.459
211.26	38.541
211.35	38.636
211.45	38.916
211.55	39.517
211.65	40.186
211.75	40.919
211.85	41.71
211.95	42.557
212.	43.004
212.01	43.087
212.02	43.166
212.05	43.369
212.14	43.763
212.24	44.001
212.34	44.079
212.44	44.027
212.54	43.863
212.64	43.601
212.74	43.252
212.84	42.823
212.94	42.328
213.	41.995
213.01	41.945
213.02	41.899
213.05	41.793
213.14	41.679
213.21	41.689
213.28	41.778
213.38	42.042
213.48	42.418
213.58	42.892
213.68	43.451
213.78	44.086
213.88	44.792
213.94	45.251
214.	45.734
214.01	45.808
214.02	45.878
214.05	46.056
214.14	46.379
214.24	46.542
214.34	46.551
214.44	46.433
214.54	46.208
214.64	45.889
214.74	45.485
214.84	45.004
214.94	44.453
215.	44.098
215.01	44.043
215.02	43.993
215.05	43.874

215.14	43.733
215.22	43.736
215.29	43.837
215.39	44.108
215.49	44.496
215.59	44.983
215.69	45.561
215.79	46.218
215.89	46.949
215.95	47.364
216.	47.798
216.01	47.877
216.02	47.954
216.05	48.168
216.14	48.72
216.24	49.254
216.34	49.73
216.44	50.162
216.54	50.558
216.64	50.925
216.74	51.268
216.84	51.589
216.94	51.893
217.	52.068
217.01	52.098
217.02	52.127
217.05	52.214
217.14	52.469
217.24	52.744
217.34	53.013
217.44	53.274
217.54	53.529
217.64	53.778
217.74	54.021
217.84	54.258
217.94	54.491
218.	54.628
218.01	54.651
218.02	54.674
218.05	54.742
218.14	54.943
218.24	55.162
218.34	55.377
218.44	55.588
218.54	55.796
218.64	56.
218.74	56.201
218.84	56.399
218.94	56.595
219.	56.711
219.01	56.73
219.02	56.749
219.05	56.807
219.14	56.977
219.24	57.164
219.34	57.348
219.44	57.529
219.54	57.708
219.64	57.885
219.74	58.06
219.84	

	58.232
219.94	58.403
220.	58.504
220.01	58.521
220.02	58.538
220.05	58.588
220.14	58.738
220.24	58.901
220.34	59.063
220.44	59.222
220.54	59.379
220.64	59.535
220.74	59.689
220.84	59.841
220.94	59.992
221.	60.081
221.01	60.094
221.02	60.104
221.05	60.115
221.14	60.02
221.24	59.788
221.34	59.452
221.44	59.028
221.54	58.527
221.64	57.955
221.74	57.318
221.84	56.622
221.94	55.871
222.	55.4
222.01	55.324
222.02	55.249
222.05	55.039
222.14	54.499
222.24	53.975
222.34	53.509
222.44	53.086
222.54	52.699
222.64	52.34
222.74	52.006
222.84	51.693
222.94	51.399
223.	51.228
223.01	51.202
223.02	51.179
223.05	51.131
223.14	
223.23	51.241
223.31	51.443
223.41	51.78
223.51	52.209
223.61	52.72
223.71	53.306
223.81	53.961
223.91	54.681
224.	55.346
224.01	55.421
224.02	55.494
224.05	55.698
224.14	56.217
224.24	56.712

224.34	57.147
224.44	57.536
224.54	57.888
224.64	58.21
224.74	58.507
224.84	58.782
224.94	59.038
225.	59.185
225.01	59.21
225.02	59.234
225.05	59.308
225.14	59.529
225.24	59.771
225.34	60.009
225.44	60.244
225.54	60.475
225.64	60.702
225.74	60.926
225.84	61.147
225.94	61.365
226.	61.495
226.01	61.517
226.02	61.538
226.05	61.601
226.14	61.784
226.24	61.98
226.34	62.17
226.44	62.355
226.54	62.535
226.64	62.711
226.74	62.883
226.84	63.051
226.94	63.216
227.	63.313
227.01	63.33
227.02	63.346
227.05	63.392
227.14	63.525
227.24	63.664
227.34	63.795
227.44	63.92
227.54	64.039
227.64	64.153
227.74	64.262
227.84	64.366
227.94	64.466
228.	64.524
228.01	64.534
228.02	64.544
228.05	64.575
228.14	64.678
228.24	64.8
228.34	64.926
228.44	65.058
228.54	65.192
228.64	65.33
228.74	65.47
228.84	65.612
228.94	65.756
229.	65.843
229.01	

	65.857
229.02	65.872
229.05	65.914
229.14	66.036
229.24	66.168
229.34	66.296
229.44	66.421
229.54	66.544
229.64	66.665
229.74	66.783
229.84	66.9
229.94	67.016
230.	67.084
230.01	67.096
230.02	67.107
230.05	67.141
230.14	67.243
230.24	67.354
230.34	67.464
230.44	67.573
230.54	67.681
230.64	67.788
230.74	67.894
230.84	67.998
230.94	68.102
231.	68.164
231.01	68.174
231.02	68.185
231.05	68.215
231.14	68.307
231.24	68.407
231.34	68.506
231.44	68.604
231.54	68.702
231.64	68.798
231.74	68.893
231.84	68.988
231.94	69.082
232.	69.137
232.01	69.149
232.02	69.163
232.05	69.221
232.14	69.51
232.24	69.943
232.34	70.468
232.44	71.07
232.54	71.74
232.64	72.472
232.74	73.26
232.84	74.099
232.94	74.987
233.	75.536
233.01	75.624
233.02	75.708
233.05	75.929
233.14	76.393
233.24	76.725
233.34	76.91
233.44	76.976
233.54	76.938
233.64	

	76.81
233.74	76.602
233.84	76.32
233.94	75.971
234.	75.738
234.01	75.701
234.02	75.665
234.05	75.57
234.14	75.354
234.24	75.171
234.34	75.03
234.44	74.919
234.54	74.83
234.64	74.76
234.74	74.704
234.84	74.66
234.94	74.626
235.	74.609
235.01	74.606
235.02	74.603
235.05	74.596
235.14	74.579
235.24	74.566
235.34	74.558
235.44	74.554
235.54	74.555
235.64	74.558
235.74	74.565
235.84	74.575
235.94	74.587
236.	74.594
236.01	74.596
236.02	74.597
236.05	74.601
236.14	74.616
236.24	74.634
236.34	74.653
236.44	74.674
236.54	74.696
236.64	74.72
236.74	74.744
236.84	74.769
236.94	74.795
237.	74.811
237.01	74.816
237.02	74.822
237.05	74.86
237.14	75.085
237.24	75.444
237.34	75.893
237.44	76.419
237.54	77.012
237.64	77.665
237.74	78.374
237.84	79.134
237.94	79.941
238.	80.443
238.01	80.522
238.02	80.598
238.05	80.797
238.14	

		81.204
238.24		81.479
238.34		81.615
238.44		81.636
238.54		81.558
238.64		81.395
238.74		81.155
238.84		80.845
238.94		80.471
239.		80.224
239.01		80.189
239.02		80.16
239.05		80.115
239.14	22.25	80.279
239.24		80.736
239.34		81.413
239.44		82.274
239.54		83.292
239.64		84.449
239.74		85.731
239.84		87.127
239.94		88.629
240.		89.567
240.01		89.718
240.02		89.864
240.05		90.261
240.14		91.19
240.24		91.986
240.34	22.246	92.6
240.44	22.239	93.065
240.54	22.232	93.408
240.64	22.225	93.643
240.74	22.218	93.785
240.84	22.211	93.842
240.94	22.203	93.822
241.	22.199	93.784
241.01	22.198	93.777
241.02		93.769
241.05	22.195	93.737
241.14	22.189	93.576
241.24	22.181	93.325
241.34	22.174	93.009
241.44	22.167	92.632
241.54	22.159	92.197
241.64	22.152	91.709
241.74	22.144	91.17
241.84	22.137	90.581
241.94	22.129	89.947
242.	22.125	89.55
242.01	22.124	89.485
242.02	22.123	89.423
242.05	22.121	89.249
242.14	22.114	88.813
242.24	22.107	88.405
242.34	22.099	88.053
242.44	22.092	87.743
242.54	22.084	87.469
242.64	22.076	87.222
242.74	22.069	87.
242.84	22.061	86.798

242.94	22.054	86.614
243.	22.049	86.509
243.01	22.048	86.494
243.02		86.481
243.05	22.045	86.46
243.14	22.038	86.515
243.24	22.031	86.695
243.34	22.023	86.973
243.44	22.015	87.334
243.54	22.008	87.769
243.64	22.	88.27
243.74	21.992	88.833
243.84	21.984	89.452
243.94	21.977	90.123
244.	21.972	90.544
244.01	21.971	90.61
244.02	21.97	90.673
244.05	21.968	90.832
244.14	21.961	91.124
244.24	21.953	91.275
244.34	21.945	91.291
244.44	21.937	91.195
244.54	21.929	91.003
244.64	21.92	90.729
244.74	21.912	90.38
244.84	21.904	89.965
244.94	21.896	89.487
245.	21.891	89.179
245.01	21.89	89.134
245.02	21.889	89.094
245.05	21.887	89.02
245.14	21.879	89.097
245.24	21.871	89.463
245.34	21.863	90.052
245.44	21.854	90.827
245.54	21.846	91.762
245.64	21.838	92.839
245.74	21.829	94.044
245.84	21.821	95.366
245.94	21.812	96.795
246.	21.807	97.69
246.01	21.806	97.832
246.02	21.805	97.966
246.05	21.803	98.31
246.14	21.795	98.965
246.24	21.786	99.343
246.34	21.778	99.445
246.44	21.769	99.32
246.54	21.76	99.003
246.64	21.752	98.516
246.74	21.743	97.878
246.84	21.734	97.104
246.94	21.725	96.203
247.	21.72	95.62
247.01	21.719	95.526
247.02	21.718	95.435
247.05	21.715	95.185
247.14	21.707	94.574
247.24	21.699	94.013
247.34	21.69	93.535

247.44	21.681	93.12
247.54	21.672	92.753
247.64	21.663	92.424
247.74	21.654	92.127
247.84	21.645	91.856
247.94	21.637	91.608
248.	21.631	91.466
248.01	21.63	91.445
248.02	21.629	91.426
248.05	21.627	91.387
248.14	21.619	91.397
248.24	21.61	91.531
248.34	21.601	91.768
248.44	21.592	92.092
248.54	21.583	92.494
248.64	21.575	92.965
248.74	21.566	93.5
248.84	21.557	94.093
248.94	21.548	94.74
249.	21.543	95.148
249.01	21.542	95.214
249.02	21.541	95.279
249.05	21.538	95.461
249.14	21.53	95.933
249.24	21.521	96.395
249.34	21.512	96.81
249.44	21.503	97.19
249.54	21.494	97.543
249.64	21.485	97.874
249.74	21.476	98.186
249.84	21.467	98.483
249.94	21.458	98.765
250.	21.452	98.93
250.01	21.451	98.958
250.02	21.45	98.985
250.05	21.447	99.066
250.14	21.439	99.299
250.24	21.43	99.548
250.34	21.421	99.789
250.44	21.411	100.02
250.54	21.402	100.25
250.64	21.393	100.47
250.74	21.384	100.68
250.84	21.374	100.89
250.94	21.365	101.09
251.	21.359	101.21
251.01	21.358	101.23
251.02	21.357	101.25
251.05	21.355	101.28
251.14	21.346	101.26
251.24	21.337	101.14
251.34	21.327	100.93
251.44	21.318	100.64
251.54	21.308	100.29
251.64	21.299	99.871
251.74	21.29	99.402
251.84	21.28	98.882
251.94	21.271	98.315
252.	21.265	97.958
252.01	21.264	97.902
252.02		

	21.263	97.85
252.05	21.261	97.72
252.14	21.252	97.508
252.24	21.243	97.437
252.34	21.233	97.496
252.44	21.224	97.661
252.54	21.215	97.917
252.64	21.205	98.253
252.74	21.196	98.659
252.84	21.186	99.129
252.94	21.177	99.658
253.	21.171	99.995
253.01	21.17	100.05
253.02	21.169	100.1
253.05	21.167	100.25
253.14	21.158	100.63
253.24	21.149	101.
253.34	21.139	101.33
253.44	21.13	101.63
253.54	21.12	101.91
253.64	21.111	102.16
253.74	21.102	102.41
253.84	21.092	102.63
253.94	21.082	102.85
254.	21.077	102.98
254.01	21.076	103.
254.02	21.075	103.02
254.05	21.072	103.09
254.14	21.063	103.28
254.24	21.054	103.5
254.34	21.044	103.73
254.44	21.035	103.95
254.54	21.025	104.18
254.64	21.015	104.4
254.74	21.006	104.62
254.84	20.996	104.85
254.94	20.986	105.08
255.	20.981	105.21
255.01	20.98	105.23
255.02	20.979	105.25
255.05	20.976	105.32
255.14	20.967	105.49
255.24	20.957	105.66
255.34	20.948	105.82
255.44	20.938	105.96
255.54	20.928	106.09
255.64	20.919	106.22
255.74	20.909	106.34
255.84	20.899	106.44
255.94	20.889	106.54
256.	20.883	106.6
256.01	20.882	106.61
256.02	20.881	106.63
256.05	20.879	106.68
256.14	20.87	106.97
256.24	20.86	107.39
256.34	20.85	107.89
256.44	20.84	108.47
256.54	20.831	109.11
256.64	20.821	109.8
256.74		

	20.811	110.55
256.84	20.801	111.34
256.94	20.791	112.18
257.	20.785	112.7
257.01	20.784	112.78
257.02	20.783	112.86
257.05	20.78	113.07
257.14	20.771	113.52
257.24	20.761	113.85
257.34	20.751	114.05
257.44	20.741	114.14
257.54	20.731	
257.64	20.721	114.05
257.74	20.711	113.89
257.84	20.701	113.67
257.94	20.691	113.38
258.	20.685	113.19
258.01	20.684	113.16
258.02	20.683	113.13
258.05	20.68	113.05
258.14	20.671	112.88
258.24	20.661	112.75
258.34	20.651	112.65
258.44	20.641	112.59
258.54	20.63	112.54
258.64	20.62	112.51
258.74	20.61	112.49
258.84	20.6	
258.94	20.59	
259.	20.584	112.5
259.01	20.583	
259.02	20.582	
259.05	20.579	112.51
259.14	20.569	112.52
259.24	20.559	112.55
259.34	20.549	112.58
259.44	20.539	112.61
259.54	20.529	112.65
259.64	20.518	112.69
259.74	20.508	112.74
259.84	20.498	112.78
259.94	20.488	112.83
260.	20.482	112.86
260.01	20.481	112.87
260.02	20.48	
260.05	20.476	112.86
260.14	20.467	112.73
260.24	20.457	112.49
260.34	20.447	112.17
260.44	20.436	111.79
260.54	20.426	111.35
260.64	20.416	110.86
260.74	20.405	110.32
260.84	20.395	109.73
260.94	20.385	109.11
261.	20.379	108.72
261.01	20.378	108.65
261.02	20.377	108.59
261.05	20.373	108.42
261.14	20.364	107.95

261.24	20.354	107.5
261.34	20.344	107.09
261.44	20.333	106.71
261.54	20.323	106.35
261.64	20.313	106.02
261.74	20.302	105.71
261.84	20.292	105.41
261.94	20.282	105.12
262.	20.276	104.96
262.01	20.275	104.93
262.02	20.274	104.9
262.05	20.271	104.82
262.14	20.261	104.6
262.24	20.251	104.37
262.34	20.241	104.16
262.44	20.231	103.96
262.54	20.221	103.78
262.64	20.21	103.6
262.74	20.2	103.44
262.84	20.19	103.29
262.94	20.18	103.14
263.	20.174	103.05
263.01	20.173	103.04
263.02	20.172	103.03
263.05	20.169	102.98
263.14	20.159	102.85
263.24	20.149	102.7
263.34	20.139	102.55
263.44	20.129	102.4
263.54	20.119	102.25
263.64	20.109	102.1
263.74	20.099	101.95
263.84	20.089	101.8
263.94	20.079	101.65
264.	20.073	101.57
264.01	20.072	101.55
264.02	20.071	101.54
264.05	20.068	101.53
264.14	20.059	101.59
264.24	20.049	101.77
264.34	20.039	102.03
264.44	20.029	102.37
264.54	20.019	102.77
264.64	20.009	103.23
264.74	19.999	103.75
264.84	19.989	104.31
264.94	19.979	104.92
265.	19.973	105.31
265.01	19.972	105.37
265.02	19.971	105.43
265.05	19.968	105.6
265.14	19.959	106.04
265.24	19.95	106.48
265.34	19.94	106.87
265.44	19.93	107.22
265.54	19.92	107.55
265.64	19.91	107.85
265.74	19.901	108.14
265.84	19.891	108.41
265.94	19.881	108.67
266.		

	19.875	108.82
266.01	19.874	108.84
266.02	19.873	108.87
266.05	19.87	108.94
266.14	19.862	109.15
266.24	19.852	109.38
266.34	19.842	109.6
266.44	19.833	109.82
266.54	19.823	110.02
266.64	19.813	110.22
266.74	19.804	110.42
266.84	19.794	110.61
266.94	19.785	110.79
267.	19.779	110.9
267.01	19.778	110.92
267.02	19.777	110.95
267.05	19.774	111.03
267.14	19.766	111.37
267.24	19.756	111.85
267.34	19.747	112.4
267.44	19.737	113.02
267.54	19.728	113.7
267.64	19.719	114.43
267.74	19.709	115.21
267.84	19.7	116.03
267.94	19.69	116.89
268.	19.685	117.43
268.01	19.684	117.51
268.02	19.683	117.59
268.05	19.68	117.81
268.14	19.672	118.3
268.24	19.662	118.69
268.34	19.653	118.95
268.44	19.644	119.11
268.54	19.634	119.18
268.64	19.625	
268.74	19.616	119.1
268.84	19.607	118.96
268.94	19.597	118.77
269.	19.592	118.63
269.01	19.591	118.61
269.02	19.59	118.59
269.05	19.587	118.54
269.14	19.579	118.43
269.24	19.57	118.34
269.34	19.56	118.28
269.44	19.551	118.24
269.54	19.542	118.21
269.64	19.533	118.18
269.74	19.524	118.17
269.84	19.514	118.16
269.94	19.505	
270.	19.5	118.15
270.01	19.499	
270.02	19.498	
270.05	19.495	118.16
270.14	19.487	118.19
270.24	19.478	118.25
270.34	19.469	118.32
270.44	19.46	118.41

270.54	19.451	118.5
270.64	19.442	118.61
270.74	19.433	118.72
270.84	19.423	118.85
270.94	19.414	118.98
271.	19.409	119.06
271.01	19.408	119.07
271.02	19.407	119.08
271.05	19.404	119.12
271.14	19.396	119.22
271.24	19.387	119.31
271.34	19.378	119.39
271.44	19.369	119.47
271.54	19.36	119.54
271.64	19.351	119.61
271.74	19.342	119.67
271.84	19.333	119.73
271.94	19.324	119.78
272.	19.318	119.81
272.01	19.317	119.82
272.02	19.316	119.83
272.05	19.314	119.87
272.14	19.305	120.12
272.24	19.296	120.5
272.34	19.287	120.97
272.44	19.278	121.51
272.54	19.269	122.12
272.64	19.26	122.79
272.74	19.251	123.51
272.84	19.241	124.28
272.94	19.232	125.1
273.	19.227	125.6
273.01	19.226	125.68
273.02	19.225	125.76
273.05	19.222	125.96
273.14	19.214	126.39
273.24	19.204	126.7
273.34	19.195	126.88
273.44	19.186	126.95
273.54	19.177	126.92
273.64	19.167	126.81
273.74	19.158	126.63
273.84	19.148	126.38
273.94	19.139	126.07
274.	19.133	125.87
274.01		125.84
274.02	19.132	125.8
274.05	19.129	125.72
274.14	19.12	125.53
274.24	19.111	125.38
274.34	19.101	125.27
274.44	19.092	125.18
274.54	19.083	125.11
274.64	19.073	125.06
274.74	19.064	125.03
274.84	19.054	125.
274.94	19.045	124.99
275.	19.039	
275.01	19.038	
275.02		

275.05	19.035	125.02
275.14	19.026	125.21
275.24	19.017	125.54
275.34	19.007	125.96
275.44	18.998	126.46
275.54	18.989	127.03
275.64	18.979	127.65
275.74	18.97	128.34
275.84	18.96	129.08
275.94	18.951	129.86
276.	18.945	130.35
276.01	18.944	130.43
276.02	18.943	130.5
276.05	18.94	130.67
276.14	18.932	130.89
276.24	18.922	130.87
276.34	18.912	130.64
276.44	18.903	130.23
276.54	18.893	129.67
276.64	18.884	128.97
276.74	18.874	128.15
276.84	18.864	127.22
276.94	18.855	126.18
277.	18.849	125.53
277.01	18.848	125.42
277.02	18.847	125.32
277.05	18.844	125.06
277.14	18.836	124.52
277.24	18.826	124.13
277.34	18.816	123.91
277.44	18.807	123.82
277.54	18.797	123.84
277.64	18.788	123.96
277.74	18.778	124.17
277.84	18.769	124.45
277.94	18.759	124.8
278.	18.753	125.04
278.01	18.752	125.07
278.02	18.751	125.1
278.05	18.749	125.18
278.14	18.74	125.23
278.24	18.73	125.15
278.34	18.721	124.96
278.44	18.711	124.67
278.54	18.702	124.3
278.64	18.692	123.87
278.74	18.683	123.38
278.84	18.673	122.83
278.94	18.664	122.23
279.	18.658	121.85
279.01	18.657	121.79
279.02	18.656	121.74
279.05	18.653	121.6
279.14	18.645	121.35
279.24	18.635	121.23
279.34	18.626	121.24
279.44	18.616	121.36
279.54	18.607	121.56
279.64	18.597	121.85
279.74	18.588	122.2
279.84		

	18.578	122.61
279.94	18.569	123.08
280.	18.563	123.39
280.01	18.562	123.44
280.02	18.561	123.49
280.05	18.559	123.62
280.14	18.55	123.95
280.24	18.541	124.27
280.34	18.531	124.56
280.44	18.522	124.81
280.54	18.512	125.04
280.64	18.503	125.26
280.74	18.494	125.46
280.84	18.484	125.65
280.94	18.475	125.83
281.	18.469	125.94
281.01	18.468	125.95
281.02	18.467	125.97
281.05	18.464	126.02
281.14	18.456	126.19
281.24	18.447	126.38
281.34	18.437	126.58
281.44	18.428	126.77
281.54	18.418	126.97
281.64	18.409	127.17
281.74	18.4	127.37
281.84	18.39	127.57
281.94	18.381	127.78
282.	18.375	127.9
282.01	18.374	127.92
282.02	18.373	127.94
282.05	18.371	127.97
282.14	18.362	127.93
282.24	18.353	127.77
282.34	18.344	127.52
282.44	18.334	127.18
282.54	18.325	126.77
282.64	18.316	126.29
282.74	18.307	125.75
282.84	18.298	125.16
282.94	18.288	124.52
283.	18.283	124.12
283.01	18.282	124.06
283.02	18.281	124.
283.05	18.278	123.85
283.14	18.27	123.58
283.24	18.261	123.45
283.34	18.252	123.46
283.44	18.243	123.58
283.54	18.234	123.8
283.64	18.225	124.09
283.74	18.216	124.46
283.84	18.207	124.9
283.94	18.199	125.4
284.	18.193	125.72
284.01	18.192	125.77
284.02		125.81
284.05	18.189	125.93
284.14	18.181	126.09
284.24	18.172	126.12

284.34	18.163	126.03
284.44	18.155	125.83
284.54	18.146	125.55
284.64	18.137	125.2
284.74	18.128	124.78
284.84	18.12	124.3
284.94	18.111	123.76
285.	18.106	123.42
285.01	18.105	123.37
285.02	18.104	123.32
285.05	18.102	123.2
285.14	18.094	123.03
285.24	18.085	123.02
285.34	18.077	123.15
285.44	18.068	123.38
285.54	18.06	123.72
285.64	18.051	124.14
285.74	18.043	124.63
285.84	18.034	125.2
285.94	18.026	125.82
286.	18.021	126.22
286.01	18.02	126.29
286.02	18.019	126.35
286.05	18.016	126.52
286.14	18.009	126.96
286.24	18.001	127.38
286.34	17.992	127.75
286.44	17.984	128.07
286.54	17.975	128.37
286.64	17.967	128.64
286.74	17.959	128.88
286.84	17.95	129.11
286.94	17.942	129.32
287.	17.937	129.44
287.01	17.936	129.46
287.02	17.935	129.48
287.05	17.933	129.51
287.14	17.926	129.49
287.24	17.917	129.37
287.34	17.909	129.15
287.44	17.901	128.85
287.54	17.893	128.49
287.64	17.884	128.06
287.74	17.876	127.57
287.84	17.868	127.04
287.94	17.86	126.45
288.	17.855	126.08
288.01	17.854	126.02
288.02		125.97
288.05	17.851	125.84
288.14	17.844	125.63
288.24	17.836	125.57
288.34	17.828	125.65
288.44	17.82	125.84
288.54	17.812	126.13
288.64	17.804	126.5
288.74	17.796	126.95
288.84	17.788	127.47
288.94	17.781	128.05
289.	17.776	128.42

289.01	17.775	128.48
289.02	17.774	128.54
289.05	17.772	128.71
289.14	17.765	129.13
289.24	17.757	129.55
289.34	17.749	129.92
289.44	17.742	130.27
289.54	17.734	130.59
289.64	17.726	130.9
289.74	17.719	131.19
289.84	17.711	131.46
289.94	17.703	131.73
290.	17.699	131.89
290.01	17.698	131.91
290.02	17.697	131.94
290.05	17.695	132.05
290.14	17.688	132.49
290.24	17.68	133.09
290.34	17.672	133.78
290.44	17.665	134.55
290.54	17.657	135.38
290.64	17.649	136.28
290.74	17.642	137.23
290.84	17.634	138.23
290.94	17.626	139.28
291.	17.622	139.93
291.01	17.621	140.03
291.02	17.62	140.13
291.05	17.618	140.4
291.14	17.611	140.99
291.24	17.603	141.45
291.34	17.595	141.76
291.44	17.588	141.94
291.54	17.58	142.01
291.64	17.572	141.98
291.74	17.564	141.87
291.84	17.557	141.69
291.94	17.549	141.43
292.	17.544	141.25
292.01		141.23
292.02	17.543	141.21
292.05	17.54	141.17
292.14	17.533	141.26
292.24	17.526	141.54
292.34	17.518	141.96
292.44	17.51	142.5
292.54	17.503	143.13
292.64	17.495	143.84
292.74	17.487	144.63
292.84	17.479	145.49
292.94	17.472	146.41
293.	17.467	146.99
293.01	17.466	147.08
293.02	17.465	147.17
293.05	17.463	147.44
293.14	17.456	148.15
293.24	17.448	148.88
293.34	17.44	149.55
293.44	17.433	150.19
293.54	17.425	150.8

293.64	17.417	151.38
293.74	17.409	151.95
293.84	17.401	152.49
293.94	17.393	153.03
294.	17.388	153.34
294.01		153.39
294.02	17.387	153.44
294.05	17.384	153.56
294.14	17.377	153.79
294.24	17.369	153.9
294.34	17.361	153.91
294.44	17.353	153.82
294.54	17.345	153.65
294.64	17.337	153.4
294.74	17.329	153.09
294.84	17.32	152.71
294.94	17.312	152.27
295.	17.307	151.98
295.01	17.306	151.93
295.02		151.89
295.05	17.303	151.77
295.14	17.296	151.5
295.24	17.288	151.26
295.34	17.279	151.08
295.44	17.271	150.94
295.54	17.263	150.82
295.64	17.255	150.73
295.74	17.246	150.66
295.84	17.238	150.61
295.94	17.23	150.57
296.	17.225	150.55
296.01	17.224	
296.02	17.223	
296.05	17.22	150.54
296.14	17.213	150.53
296.24	17.205	
296.34	17.196	
296.44	17.188	150.54
296.54	17.179	150.56
296.64	17.171	150.59
296.74	17.162	150.62
296.84	17.154	150.66
296.94	17.145	150.71
297.	17.14	150.73
297.01	17.139	150.74
297.02		
297.05	17.136	150.76
297.14	17.128	150.8
297.24	17.12	150.85
297.34	17.111	150.9
297.44	17.102	150.96
297.54	17.094	151.01
297.64	17.085	151.07
297.74	17.076	151.13
297.84	17.067	151.2
297.94	17.059	151.26
298.	17.053	151.3
298.01	17.052	151.31
298.02		
298.05	17.049	151.33

298.14	17.041	151.4
298.24	17.032	151.47
298.34	17.023	151.55
298.44	17.014	151.64
298.54	17.005	151.72
298.64	16.996	151.81
298.74	16.987	151.9
298.84	16.978	151.99
298.94	16.969	152.08
299.	16.964	152.14
299.01	16.963	152.15
299.02	16.962	152.16
299.05	16.959	152.19
299.14	16.951	152.28
299.24	16.942	152.38
299.34	16.933	152.48
299.44	16.924	152.58
299.54	16.915	152.69
299.64	16.906	152.8
299.74	16.896	152.9
299.84	16.887	153.01
299.94	16.878	153.13
300.	16.872	153.19
300.01		153.2
300.02	16.871	153.21
300.05	16.868	
300.14	16.86	153.07
300.24	16.85	152.8
300.34	16.841	152.41
300.44	16.832	151.94
300.54	16.823	151.4
300.64	16.813	150.78
300.74	16.804	150.1
300.84	16.795	149.36
300.94	16.786	148.56
301.	16.78	148.07
301.01	16.779	147.99
301.02	16.778	147.91
301.05	16.776	147.73
301.14	16.767	147.39
301.24	16.758	147.23
301.34	16.749	
301.44	16.74	147.37
301.54	16.731	147.62
301.64	16.721	147.98
301.74	16.712	148.43
301.84	16.703	148.96
301.94	16.694	149.56
302.	16.688	149.95
302.01		150.02
302.02	16.687	150.08
302.05	16.684	150.25
302.14	16.676	150.69
302.24	16.667	151.11
302.34	16.657	151.48
302.44	16.648	151.82
302.54	16.639	152.14
302.64	16.63	152.44
302.74	16.621	152.72
302.84	16.612	152.99

302.94	16.603	153.25
303.	16.597	153.4
303.01	16.596	153.43
303.02	16.595	153.45
303.05	16.592	153.53
303.14	16.584	153.74
303.24	16.575	153.97
303.34	16.566	154.19
303.44	16.557	154.4
303.54	16.547	154.61
303.64	16.538	154.82
303.74	16.529	155.02
303.84	16.52	155.21
303.94	16.511	155.4
304.	16.505	155.52
304.01	16.504	155.53
304.02	16.503	155.55
304.05	16.501	155.61
304.14	16.492	155.78
304.24	16.483	155.97
304.34	16.474	156.16
304.44	16.465	156.35
304.54	16.456	156.54
304.64	16.447	156.72
304.74	16.438	156.91
304.84	16.429	157.1
304.94	16.42	157.28
305.	16.414	157.39
305.01	16.413	157.41
305.02	16.412	157.42
305.05	16.41	157.44
305.14	16.401	157.36
305.24	16.392	157.14
305.34	16.383	156.8
305.44	16.374	156.38
305.54	16.365	155.87
305.64	16.356	155.28
305.74	16.347	154.63
305.84	16.338	153.92
305.94	16.33	153.15
306.	16.324	152.67
306.01	16.323	152.59
306.02	16.322	152.51
306.05	16.32	152.29
306.14	16.312	151.73
306.24	16.303	151.17
306.34	16.294	150.68
306.44	16.285	150.22
306.54	16.277	149.79
306.64	16.268	149.39
306.74	16.259	149.01
306.84	16.251	148.65
306.94	16.242	148.31
307.	16.237	148.11
307.01	16.236	148.08
307.02	16.235	148.05
307.05	16.233	147.99
307.14	16.225	147.97
307.24	16.217	148.09
307.34	16.208	148.34
307.44		

	16.2	148.69
307.54	16.191	149.14
307.64	16.183	149.68
307.74	16.174	150.29
307.84	16.166	150.98
307.94	16.158	151.73
308.	16.152	152.2
308.01		152.27
308.02	16.151	152.34
308.05	16.148	152.52
308.14	16.141	152.8
308.24	16.132	152.9
308.34	16.124	152.83
308.44	16.116	152.63
308.54	16.107	152.3
308.64	16.099	151.87
308.74	16.091	151.35
308.84	16.082	150.75
308.94	16.074	150.07
309.	16.069	149.63
309.01	16.068	149.56
309.02		149.5
309.05	16.065	149.35
309.14	16.058	149.11
309.24	16.05	149.05
309.34	16.041	149.16
309.44	16.033	149.4
309.54	16.025	149.76
309.64	16.017	150.22
309.74	16.009	150.76
309.84	16.001	151.38
309.94	15.993	152.08
310.	15.988	152.53
310.01	15.987	152.59
310.02		152.66
310.05	15.984	152.82
310.14	15.977	153.08
310.24	15.969	153.15
310.34	15.961	153.07
310.44	15.953	152.85
310.54	15.945	152.52
310.64	15.938	152.09
310.74	15.93	151.58
310.84	15.922	150.98
310.94	15.914	150.31
311.	15.91	149.89
311.01	15.909	149.82
311.02	15.908	149.74
311.05	15.906	149.52
311.14	15.899	148.81
311.24	15.891	147.96
311.34	15.884	147.06
311.44	15.876	146.11
311.54	15.869	145.12
311.64	15.861	144.08
311.74	15.854	142.99
311.84	15.847	141.86
311.94	15.84	140.69
312.	15.835	139.98
312.01		139.86

312.02	15.834	139.75
312.05	15.832	139.46
312.14	15.825	138.81
312.24	15.818	138.31
312.34	15.811	138.07
312.44	15.804	137.97
312.54	15.797	137.99
312.64	15.791	138.11
312.74	15.784	138.31
312.84	15.777	138.59
312.94	15.771	138.94
313.	15.767	139.18
313.01	15.766	139.22
313.02	15.765	139.26
313.05	15.763	139.38
313.14	15.757	139.8
313.24	15.751	140.33
313.34	15.744	140.9
313.44	15.738	141.52
313.54	15.732	142.19
313.64	15.725	142.9
313.74	15.719	143.65
313.84	15.713	144.45
313.94	15.706	145.28
314.	15.702	145.79
314.01		145.87
314.02	15.701	145.95
314.05	15.699	146.14
314.14	15.694	146.5
314.24	15.687	146.74
314.34	15.681	146.82
314.44	15.675	146.76
314.54	15.669	146.58
314.64	15.663	146.3
314.74	15.657	145.92
314.84	15.651	145.46
314.94	15.645	144.92
315.	15.641	144.58
315.01	15.64	144.52
315.02		144.46
315.05	15.638	144.31
315.14	15.633	143.94
315.24	15.627	143.59
315.34	15.621	143.29
315.44	15.615	143.03
315.54	15.61	142.79
315.64	15.604	142.57
315.74	15.598	142.37
315.84	15.593	142.21
315.94	15.588	142.06
316.	15.584	141.98
316.01		141.96
316.02	15.583	141.95
316.05	15.582	141.91
316.14	15.577	141.79
316.24	15.572	141.66
316.34	15.566	141.53
316.44	15.561	141.41
316.54	15.556	141.3
316.64	15.551	141.18

316.74	15.546	141.07
316.84	15.541	140.96
316.94	15.536	140.85
317.	15.534	140.79
317.01	15.533	140.78
317.02		140.77
317.05	15.531	140.74
317.14	15.527	140.65
317.24	15.522	140.55
317.34	15.518	140.46
317.44	15.513	140.36
317.54	15.508	140.28
317.64	15.504	140.19
317.74	15.5	140.11
317.84	15.495	140.02
317.94	15.491	139.94
318.	15.488	139.89
318.01		
318.02	15.487	
318.05	15.486	
318.14	15.482	140.03
318.24	15.478	140.3
318.34	15.474	140.66
318.44	15.47	141.1
318.54	15.466	141.6
318.64	15.462	142.16
318.74	15.458	142.77
318.84	15.454	143.43
318.94	15.45	144.14
319.	15.448	144.57
319.01	15.447	144.65
319.02		144.72
319.05	15.446	144.91
319.14	15.442	145.4
319.24	15.438	145.87
319.34	15.434	146.28
319.44	15.431	146.65
319.54	15.427	146.99
319.64	15.423	147.35
319.74	15.419	147.68
319.84	15.416	148.
319.94	15.412	148.3
320.	15.41	148.47
320.01		148.5
320.02	15.409	148.52
320.05	15.408	148.57
320.14	15.405	148.61
320.24	15.401	148.53
320.34	15.398	148.34
320.44	15.394	148.07
320.54	15.391	147.72
320.64	15.387	147.3
320.74	15.384	146.81
320.84	15.381	146.27
320.94	15.377	145.67
321.	15.375	145.29
321.01		145.23
321.02		145.17
321.05	15.374	145.01
321.14	15.371	144.58

321.24	15.368	144.18
321.34	15.365	143.83
321.44	15.361	143.51
321.54	15.358	143.22
321.64	15.355	142.99
321.74	15.353	142.79
321.84	15.35	142.6
321.94	15.347	142.42
322.	15.345	142.31
322.01		142.3
322.02		142.28
322.05	15.344	142.23
322.14	15.341	142.08
322.24	15.339	141.93
322.34	15.336	141.79
322.44	15.333	141.65
322.54	15.331	141.51
322.64	15.328	141.38
322.74	15.326	141.26
322.84	15.323	141.14
322.94	15.321	141.02
323.	15.319	140.96
323.01		140.94
323.02		140.93
323.05	15.318	140.9
323.14	15.316	140.81
323.24	15.313	140.71
323.34	15.311	140.61
323.44	15.309	140.52
323.54	15.306	140.44
323.64	15.304	140.35
323.74	15.302	140.27
323.84	15.3	140.2
323.94	15.298	140.12
324.	15.296	140.08
324.01		140.07
324.02		
324.05	15.295	140.05
324.14	15.293	140.
324.24	15.291	139.95
324.34	15.289	139.9
324.44	15.287	139.87
324.54	15.285	139.83
324.64	15.283	139.81
324.74	15.281	139.78
324.84	15.279	139.77
324.94	15.277	139.76
325.	15.276	139.75
325.01		
325.02		
325.05	15.275	139.74
325.14	15.274	139.73
325.24	15.272	139.71
325.34	15.27	139.69
325.44	15.269	139.66
325.54	15.267	139.64
325.64	15.265	139.62
325.74	15.264	139.6
325.84	15.262	139.58
325.94	15.26	139.56

326.	15.259	139.54
326.01		
326.02		
326.05		139.53
326.14	15.257	
326.24	15.256	
326.34	15.254	139.55
326.44	15.253	139.56
326.54	15.252	139.59
326.64	15.25	139.62
326.74	15.249	139.65
326.84	15.248	139.69
326.94	15.247	139.74
327.	15.246	139.77
327.01		
327.02		139.78
327.05	15.245	139.83
327.14	15.244	140.11
327.24	15.243	140.55
327.34	15.242	141.08
327.44	15.241	141.7
327.54	15.24	142.4
327.64	15.239	143.15
327.74	15.238	143.97
327.84	15.237	144.84
327.94	15.236	145.75
328.	15.235	146.32
328.01		146.41
328.02		146.5
328.05		146.72
328.14	15.234	147.17
328.24	15.233	147.48
328.34	15.232	147.63
328.44	15.231	147.66
328.54	15.23	147.62
328.64	15.229	147.5
328.74	15.228	147.3
328.84	15.227	147.02
328.94		146.66
329.	15.226	146.43
329.01		146.39
329.02		146.36
329.05		146.3
329.14	15.225	146.34
329.24	15.224	146.57
329.34		146.96
329.44	15.223	147.47
329.54	15.222	148.09
329.64	15.221	148.8
329.74		149.6
329.84	15.22	150.47
329.94	15.219	151.41
330.		152.
330.01		152.1
330.02		152.2
330.05		152.53
330.14	15.218	153.68
330.24		155.12
330.34	15.217	156.7
330.44	15.216	158.4

330.54		160.21
330.64	15.215	162.13
330.74	15.214	164.14
330.84	15.213	166.25
330.94		168.45
331.	15.212	169.79
331.01		170.01
331.02		170.23
331.05		170.85
331.14	15.211	172.51
331.24	15.21	174.18
331.34	15.209	175.72
331.44	15.208	177.15
331.54	15.207	178.5
331.64	15.206	179.77
331.74	15.205	180.98
331.84	15.203	182.14
331.94	15.202	183.25
332.	15.201	183.9
332.01		184.
332.02		184.11
332.05		184.4
332.14	15.199	185.16
332.24	15.198	185.88
332.34	15.196	186.49
332.44	15.195	187.01
332.54	15.193	187.45
332.64	15.191	187.81
332.74	15.19	188.11
332.84	15.188	188.34
332.94	15.186	188.51
333.	15.185	188.59
333.01		188.61
333.02		188.63
333.05	15.184	188.72
333.14	15.182	189.17
333.24	15.18	189.83
333.34	15.178	190.61
333.44	15.176	191.5
333.54	15.174	192.48
333.64	15.172	193.53
333.74	15.17	194.64
333.84	15.167	195.82
333.94	15.165	197.05
334.	15.163	197.81
334.01		197.94
334.02		198.06
334.05	15.162	198.45
334.14	15.16	199.65
334.24	15.157	201.02
334.34	15.154	202.44
334.44	15.151	203.89
334.54	15.149	205.39
334.64	15.145	206.92
334.74	15.142	208.48
334.84	15.139	210.08
334.94	15.135	211.7
335.	15.133	212.69
335.01		212.85
335.02		213.01

335.05	15.132	213.48
335.14	15.128	214.76
335.24	15.124	216.1
335.34	15.12	217.35
335.44	15.116	218.54
335.54	15.112	219.68
335.64	15.108	220.78
335.74	15.103	221.84
335.84	15.099	222.86
335.94	15.094	223.85
336.	15.091	224.43
336.01	15.09	224.53
336.02		224.63
336.05	15.088	224.92
336.14	15.084	225.77
336.24	15.078	226.69
336.34	15.073	227.6
336.44	15.067	228.49
336.54	15.062	229.37
336.64	15.056	230.23
336.74	15.05	231.07
336.84	15.044	231.9
336.94	15.038	232.72
337.	15.034	233.2
337.01	15.033	233.29
337.02	15.032	233.38
337.05	15.03	233.68
337.14	15.025	234.78
337.24	15.018	236.2
337.34	15.011	237.77
337.44	15.004	239.49
337.54	14.997	241.32
337.64	14.989	243.25
337.74	14.982	245.27
337.84	14.974	247.38
337.94	14.966	249.57
338.	14.961	250.91
338.01	14.96	251.13
338.02		251.34
338.05	14.957	251.94
338.14	14.95	253.45
338.24	14.941	254.87
338.34	14.932	256.1
338.44	14.924	257.16
338.54	14.914	258.09
338.64	14.905	258.9
338.74	14.896	259.6
338.84	14.886	260.2
338.94	14.876	260.72
339.	14.87	261.01
339.01	14.869	261.05
339.02	14.868	261.1
339.05	14.865	261.23
339.14	14.856	261.56
339.24	14.846	261.87
339.34	14.835	262.11
339.44	14.824	262.29
339.54	14.813	262.41
339.64	14.802	262.48
339.74	14.791	262.5

339.84	14.779	262.47
339.94	14.768	262.38
340.	14.761	262.32
340.01	14.759	262.31
340.02	14.758	
340.05	14.755	262.33
340.14	14.744	262.59
340.24	14.732	263.06
340.34	14.719	263.67
340.44	14.707	264.4
340.54	14.694	265.22
340.64	14.681	266.13
340.74	14.668	267.12
340.84	14.655	268.17
340.94	14.642	269.28
341.	14.634	269.97
341.01	14.632	270.08
341.02	14.631	270.2
341.05	14.627	270.52
341.14	14.614	271.45
341.24	14.6	272.43
341.34	14.586	273.39
341.44	14.572	274.32
341.54	14.557	275.24
341.64	14.543	276.14
341.74	14.528	277.04
341.84	14.513	277.92
341.94	14.497	278.8
342.	14.488	279.33
342.01	14.486	279.42
342.02	14.485	279.51
342.05	14.48	279.82
342.14	14.466	280.93
342.24	14.45	282.34
342.34	14.434	283.88
342.44	14.417	285.54
342.54	14.401	287.31
342.64	14.384	289.17
342.74	14.367	291.12
342.84	14.35	293.15
342.94	14.332	295.25
343.	14.322	296.53
343.01	14.32	296.75
343.02	14.318	296.96
343.05	14.313	297.61
343.14	14.297	299.62
343.24	14.279	301.91
343.34	14.26	304.26
343.44	14.242	306.67
343.54	14.223	309.12
343.64	14.204	311.63
343.74	14.185	314.18
343.84	14.166	316.79
343.94	14.146	319.44
344.	14.134	321.04
344.01	14.132	321.3
344.02	14.13	321.55
344.05	14.124	322.25
344.14	14.106	323.97
344.24	14.085	325.52

344.34	14.065	326.79
344.44	14.044	327.81
344.54	14.023	328.63
344.64	14.002	329.27
344.74	13.98	329.75
344.84	13.958	330.09
344.94	13.936	330.28
345.	13.923	330.36
345.01	13.921	330.38
345.02	13.919	330.4
345.05	13.912	330.53
345.14	13.892	331.24
345.24	13.869	332.33
345.34	13.847	333.64
345.44	13.824	335.14
345.54	13.8	336.79
345.64	13.777	338.57
345.74	13.753	340.47
345.84	13.73	342.47
345.94	13.706	344.56
346.	13.691	345.85
346.01	13.689	346.05
346.02	13.686	346.26
346.05	13.679	346.81
346.14	13.657	348.12
346.24	13.633	349.27
346.34	13.608	350.17
346.44	13.583	350.87
346.54	13.557	351.4
346.64	13.532	351.78
346.74	13.506	352.02
346.84	13.48	352.15
346.94	13.454	
347.	13.438	352.12
347.01	13.436	
347.02	13.433	
347.05	13.425	352.14
347.14	13.401	352.33
347.24	13.374	352.65
347.34	13.347	353.04
347.44	13.32	353.48
347.54	13.292	353.97
347.64	13.265	354.49
347.74	13.237	355.03
347.84	13.209	355.59
347.94	13.181	356.18
348.	13.164	356.53
348.01	13.161	356.59
348.02	13.158	356.65
348.05	13.149	356.85
348.14	13.123	357.53
348.24	13.094	358.35
348.34	13.065	359.25
348.44	13.036	360.19
348.54	13.006	361.19
348.64	12.977	362.22
348.74	12.947	363.3
348.84	12.916	364.41
348.94	12.886	365.56
349.	12.868	366.26

349.01	12.865	366.37
349.02	12.862	366.49
349.05	12.852	366.82
349.14	12.825	367.77
349.24	12.794	368.79
349.34	12.762	369.77
349.44	12.731	370.72
349.54	12.699	371.66
349.64	12.667	372.57
349.74	12.635	373.48
349.84	12.602	374.36
349.94	12.57	375.24
350.	12.55	375.76
350.01	12.547	375.85
350.02	12.543	375.94
350.05	12.534	376.2
350.14	12.504	376.97
350.24	12.471	377.82
350.34	12.437	378.66
350.44	12.403	379.49
350.54	12.369	380.31
350.64	12.335	381.13
350.74	12.301	381.94
350.84	12.266	382.75
350.94	12.232	383.55
351.	12.211	384.03
351.01	12.207	384.11
351.02	12.204	384.18
351.05	12.193	384.39
351.14	12.162	384.88
351.24	12.126	385.3
351.34	12.091	385.63
351.44	12.055	385.87
351.54	12.019	386.03
351.64	11.983	386.13
351.74	11.947	386.17
351.84	11.911	386.15
351.94	11.874	386.08
352.	11.852	386.02
352.01	11.849	386.01
352.02	11.845	
352.05	11.834	386.03
352.14	11.801	386.26
352.24	11.764	386.69
352.34	11.727	387.24
352.44	11.689	387.9
352.54	11.652	388.64
352.64	11.614	389.46
352.74	11.576	390.34
352.84	11.538	391.29
352.94	11.5	392.29
353.	11.477	392.9
353.01	11.473	393.
353.02	11.469	393.1
353.05	11.458	393.36
353.14	11.423	394.01
353.24	11.385	394.6
353.34	11.346	395.07
353.44	11.307	395.47
353.54	11.268	395.78

353.64	11.229	396.04
353.74	11.19	396.24
353.84	11.15	396.39
353.94	11.11	396.49
354.	11.087	396.54
354.01	11.083	396.55
354.02	11.079	396.56
354.05	11.067	396.6
354.14	11.031	396.78
354.24	10.991	397.04
354.34	10.951	397.34
354.44	10.91	397.67
354.54	10.87	398.02
354.64	10.829	398.39
354.74	10.789	398.78
354.84	10.748	399.18
354.94	10.707	399.59
355.	10.682	399.85
355.01	10.678	399.89
355.02	10.674	399.92
355.05	10.662	400.02
355.14	10.625	400.17
355.24	10.583	400.22
355.34	10.542	400.18
355.44	10.501	400.06
355.54	10.459	399.87
355.64	10.417	399.61
355.74	10.376	399.3
355.84	10.334	398.93
355.94	10.292	398.52
356.	10.267	398.26
356.01	10.262	398.22
356.02	10.258	398.18
356.05	10.246	398.1
356.14	10.208	398.05
356.24	10.165	398.18
356.34	10.123	398.45
356.44	10.081	398.83
356.54	10.038	399.31
356.64	9.9959	399.87
356.74	9.9533	400.5
356.84	9.9107	401.2
356.94	9.868	401.96
357.	9.8423	402.43
357.01	9.838	402.51
357.02	9.8337	402.59
357.05	9.8209	402.83
357.14	9.7823	403.58
357.24	9.7393	404.44
357.34	9.6963	405.33
357.44	9.6532	406.25
357.54	9.61	407.19
357.64	9.5668	408.17
357.74	9.5234	409.17
357.84	9.48	410.2
357.94	9.4365	411.26
358.	9.4104	411.9
358.01	9.4061	412.01
358.02	9.4017	412.11
358.05	9.3886	412.41
358.14		

	9.3494	413.25
358.24	9.3057	414.12
358.34	9.2619	414.95
358.44	9.218	415.73
358.54	9.1741	416.49
358.64	9.1301	417.22
358.74	9.0861	417.94
358.84	9.0419	418.63
358.94	8.9978	419.31
359.	8.9712	419.71
359.01	8.9668	419.78
359.02	8.9624	419.85
359.05	8.9491	420.1
359.14	8.9092	421.04
359.24	8.8649	422.27
359.34	8.8205	423.64
359.44	8.776	425.14
359.54	8.7315	426.74
359.64	8.6869	428.43
359.74	8.6422	430.21
359.84	8.5975	432.07
359.94	8.5527	434.
360.	8.5258	435.19
360.01	8.5214	435.37
360.02	8.5169	435.55
360.05	8.5034	435.98
360.14	8.463	436.71
360.24	8.4181	436.99
360.34	8.3731	436.82
360.44	8.328	436.3
360.54	8.2829	435.48
360.64	8.2378	434.38
360.74	8.1926	433.03
360.84	8.1474	431.46
360.94	8.1022	429.69
361.	8.075	428.55
361.01	8.0705	428.37
361.02	8.066	428.2
361.05	8.0524	427.74
361.14	8.0117	426.75
361.24	7.9664	425.98
361.34	7.9211	425.46
361.44	7.8758	425.13
361.54	7.8305	424.97
361.64	7.7852	424.93
361.74	7.7399	425.01
361.84	7.6946	425.19
361.94	7.6493	425.46
362.	7.6222	425.65
362.01	7.6176	425.67
362.02	7.6131	425.69
362.05	7.5995	425.72
362.14	7.5588	425.54
362.24	7.5135	425.11
362.34	7.4682	424.51
362.44	7.423	423.75
362.54	7.3777	422.86
362.64	7.3325	421.87
362.74	7.2872	420.78
362.84	7.2419	419.59
362.94		

	7.1967	418.32
363.	7.1695	417.53
363.01	7.165	417.4
363.02	7.1605	417.28
363.05	7.1469	416.96
363.14	7.1062	416.24
363.24	7.0609	415.67
363.34	7.0157	415.28
363.44	6.9705	415.03
363.54	6.9253	414.9
363.64	6.8801	414.87
363.74	6.8349	414.94
363.84	6.7898	415.09
363.94	6.7446	415.31
364.	6.7176	415.47
364.01	6.7131	415.49
364.02	6.7085	415.51
364.05	6.695	415.57
364.14	6.6544	415.7
364.24	6.6093	415.79
364.34	6.5643	415.85
364.44	6.5192	415.88
364.54	6.4742	415.91
364.64	6.4292	415.92
364.74	6.3842	
364.84	6.3392	415.91
364.94	6.2943	415.9
365.	6.2674	
365.01	6.2629	415.89
365.02	6.2584	
365.05	6.2449	415.86
365.14	6.2045	415.67
365.24	6.1597	415.36
365.34	6.1149	414.97
365.44	6.0701	414.52
365.54	6.0254	414.01
365.64	5.9807	413.45
365.74	5.9361	412.84
365.84	5.8916	412.19
365.94	5.8471	411.5
366.	5.8204	411.07
366.01	5.816	411.
366.02	5.8115	410.93
366.05	5.7982	410.73
366.14	5.7583	410.21
366.24	5.714	409.7
366.34	5.6698	409.22
366.44	5.6257	408.78
366.54	5.5816	408.36
366.64	5.5377	407.96
366.74	5.4938	407.59
366.84	5.4501	407.23
366.94	5.4064	406.88
367.	5.3802	406.67
367.01	5.3759	406.64
367.02	5.3715	406.61
367.05	5.3584	406.51
367.14	5.3193	406.22
367.24	5.2759	405.92
367.34	5.2326	405.63

367.44	5.1895	405.35
367.54	5.1464	405.08
367.64	5.1034	404.81
367.74	5.0606	404.56
367.84	5.0178	404.31
367.94	4.9752	404.07
368.	4.9497	403.93
368.01	4.9454	403.91
368.02	4.9412	403.88
368.05	4.9284	403.78
368.14	4.8902	403.39
368.24	4.8479	402.86
368.34	4.8057	402.26
368.44	4.7637	401.59
368.54	4.7217	400.87
368.64	4.6799	400.1
368.74	4.6382	399.28
368.84	4.5967	398.42
368.94	4.5552	397.53
369.	4.5304	396.98
369.01	4.5263	396.89
369.02	4.5222	396.8
369.05	4.5098	396.58
369.14	4.4727	396.08
369.24	4.4317	395.69
369.34	4.3908	395.44
369.44	4.3501	395.29
369.54	4.3095	395.23
369.64	4.269	395.26
369.74	4.2287	395.36
369.84	4.1886	395.52
369.94	4.1485	395.74
370.	4.1246	395.89
370.01	4.1206	395.91
370.02	4.1166	395.93
370.05	4.1046	
370.14	4.0689	395.68
370.24	4.0293	395.16
370.34	3.9898	394.45
370.44	3.9506	393.58
370.54	3.9114	392.57
370.64	3.8724	391.44
370.74	3.8336	390.2
370.84	3.7949	388.87
370.94	3.7564	387.45
371.	3.7334	386.56
371.01	3.7295	386.42
371.02	3.7257	386.29
371.05	3.7142	385.94
371.14	3.6798	385.2
371.24	3.6418	384.68
371.34	3.604	384.39
371.44	3.5663	384.3
371.54	3.5288	384.36
371.64	3.4915	384.57
371.74	3.4544	384.89
371.84	3.4174	385.34
371.94	3.3806	385.88
372.	3.3586	386.24
372.01	3.3549	386.3

372.02	3.3512	386.35
372.05	3.3402	386.47
372.14	3.3074	386.61
372.24	3.2712	386.58
372.34	3.235	386.4
372.44	3.1991	386.1
372.54	3.1633	385.71
372.64	3.1277	385.23
372.74	3.0922	384.68
372.84	3.057	384.07
372.94	3.0219	383.4
373.	3.0009	382.98
373.01	2.9974	382.91
373.02	2.9939	382.85
373.05	2.9834	382.65
373.14	2.9521	382.14
373.24	2.9175	381.62
373.34	2.8831	381.14
373.44	2.8489	380.68
373.54	2.8148	380.25
373.64	2.781	379.83
373.74	2.7473	379.43
373.84	2.7138	379.04
373.94	2.6805	378.66
374.	2.6606	378.43
374.01	2.6573	378.4
374.02	2.6539	378.36
374.05	2.644	378.23
374.14	2.6144	377.77
374.24	2.5817	377.2
374.34	2.5491	376.58
374.44	2.5168	375.92
374.54	2.4846	375.22
374.64	2.4527	374.49
374.74	2.4209	373.73
374.84	2.3893	372.94
374.94	2.358	372.13
375.	2.3392	371.63
375.01	2.3361	371.55
375.02	2.333	371.47
375.05	2.3237	371.26
375.14	2.2958	370.76
375.24	2.265	370.32
375.34	2.2344	369.99
375.44	2.2041	369.73
375.54	2.1739	369.55
375.64	2.1439	369.42
375.74	2.1141	369.35
375.84	2.0845	369.34
375.94	2.0551	369.4
376.	2.0376	369.45
376.01	2.0346	369.46
376.02	2.0317	369.47
376.05	2.023	369.51
376.14	1.9969	369.65
376.24	1.968	369.84
376.34	1.9394	370.08
376.44	1.911	370.35
376.54	1.8827	370.65
376.64	1.8546	370.99
376.74		

	1.8267	371.35
376.84	1.799	371.74
376.94	1.7715	372.16
377.	1.755	372.42
377.01	1.7522	372.46
377.02	1.7495	372.5
377.05	1.7413	372.61
377.14	1.7168	372.86
377.24	1.6898	373.07
377.34	1.663	373.23
377.44	1.6363	373.37
377.54	1.6098	373.48
377.64	1.5835	373.57
377.74	1.5573	373.63
377.84	1.5314	373.67
377.94	1.5056	373.69
378.	1.4901	
378.01	1.4876	373.7
378.02	1.485	
378.05	1.4773	373.68
378.14	1.4544	373.55
378.24	1.4291	373.33
378.34	1.404	373.04
378.44	1.3791	372.7
378.54	1.3544	372.31
378.64	1.3298	371.87
378.74	1.3054	371.41
378.84	1.2812	370.93
378.94	1.2572	370.42
379.	1.2428	370.11
379.01	1.2404	370.06
379.02	1.238	370.01
379.05	1.2309	369.88
379.14	1.2096	369.63
379.24	1.1861	369.46
379.34	1.1628	369.38
379.44	1.1397	369.36
379.54	1.1168	369.39
379.64	1.094	369.48
379.74	1.0714	369.6
379.84	1.049	369.75
379.94	1.0268	369.94
380.	1.0135	370.07
380.01	1.0113	370.08
380.02	1.0091	370.1
380.05	1.0025	370.13
380.14	0.98277	370.09
380.24	0.96104	369.93
380.34	0.93949	369.69
380.44	0.9181	369.39
380.54	0.89687	369.02
380.64	0.87581	368.61
380.74	0.85491	368.16
380.84	0.83417	367.67
380.94	0.81359	367.14
381.	0.8013	366.81
381.01	0.79926	366.76
381.02	0.79721	366.7
381.05	0.79109	366.54
381.14	0.77286	366.01

381.24	0.75277	365.41
381.34	0.73284	364.79
381.44	0.71307	364.14
381.54	0.69347	363.47
381.64	0.67403	362.78
381.74	0.65476	362.07
381.84	0.63565	361.34
381.94	0.61671	360.6
382.	0.6054	360.14
382.01	0.60352	360.07
382.02	0.60164	360.
382.05	0.59601	359.81
382.14	0.57926	359.38
382.24	0.56082	359.03
382.34	0.54254	358.78
382.44	0.52443	358.61
382.54	0.50648	358.51
382.64	0.4887	358.46
382.74	0.47107	
382.84	0.45361	358.51
382.94	0.4363	358.59
383.	0.42597	358.66
383.01	0.42425	358.67
383.02	0.42253	
383.05	0.41739	
383.14	0.4021	358.52
383.24	0.38526	358.23
383.34	0.36857	357.84
383.44	0.35204	357.39
383.54	0.33566	356.88
383.64	0.31943	356.32
383.74	0.30336	355.71
383.84	0.28744	355.07
383.94	0.27167	354.39
384.	0.26227	353.98
384.01	0.2607	353.91
384.02	0.25913	353.85
384.05	0.25445	353.67
384.14	0.24054	353.28
384.24	0.22523	352.96
384.34	0.21008	352.72
384.44	0.19508	352.55
384.54	0.18024	352.44
384.64	0.16556	352.37
384.74	0.15104	352.35
384.84	0.13667	352.37
384.94	0.12246	352.42
385.	0.11398	352.46
385.01	0.11257	352.47
385.02	0.11117	
385.05	0.10695	352.48
385.14	9.4445e-002	352.47
385.24	8.0701e-002	352.42
385.34	6.711e-002	352.35
385.44	5.3673e-002	352.27
385.54	4.0389e-002	352.17
385.64	2.7258e-002	352.06
385.74	1.4277e-002	351.95
385.84	1.4469e-003	351.84
385.94	-1.1233e-002	351.72

386.	-1.8787e-002	351.64
386.01	-2.0044e-002	351.63
386.02	-2.13e-002	351.62
386.05	-2.5054e-002	351.58
386.14	-3.6196e-002	351.47
386.24	-4.8427e-002	351.35
386.34	-6.0507e-002	351.23
386.44	-7.2438e-002	351.11
386.54	-8.4219e-002	350.99
386.64	-9.585e-002	350.88
386.74	-0.10733	350.76
386.84	-0.11866	350.64
386.94	-0.12984	350.52
387.	-0.1365	350.45
387.01	-0.1376	350.44
387.02	-0.13871	350.43
387.05	-0.14201	350.37
387.14	-0.1518	350.13
387.24	-0.16253	349.8
387.34	-0.17311	349.41
387.44	-0.18353	348.97
387.54	-0.1938	348.5
387.64	-0.20392	347.99
387.74	-0.21388	347.45
387.84	-0.22369	346.89
387.94	-0.23334	346.3
388.	-0.23907	345.94
388.01	-0.24003	345.89
388.02	-0.24098	345.83
388.05	-0.24383	345.68
388.14	-0.25224	345.34
388.24	-0.26143	345.06
388.34	-0.27046	344.86
388.44	-0.27934	344.72
388.54	-0.28807	344.63
388.64	-0.29664	344.58
388.74	-0.30506	344.57
388.84	-0.31333	344.6
388.94	-0.32145	344.65
389.	-0.32627	344.69
389.01	-0.32707	344.7
389.02	-0.32787	344.71
389.05	-0.33025	
389.14	-0.33729	344.7
389.24	-0.34497	344.66
389.34	-0.3525	344.59
389.44	-0.35989	344.51
389.54	-0.36713	344.42
389.64	-0.37424	344.31
389.74	-0.38121	344.2
389.84	-0.38803	344.09
389.94	-0.39472	343.97
390.	-0.39869	343.89
390.01	-0.39935	343.88
390.02	-0.40001	343.87
390.05	-0.40197	343.83
390.14	-0.40775	343.72
390.24	-0.41403	343.59
390.34	-0.42017	343.47
390.44	-0.42619	343.35

390.54	-0.43206	343.22
390.64	-0.43781	343.09
390.74	-0.44342	342.97
390.84	-0.44889	342.84
390.94	-0.45423	342.72
391.	-0.45739	342.64
391.01	-0.45791	342.63
391.02	-0.45843	342.61
391.05	-0.45999	342.58
391.14	-0.46456	342.46
391.24	-0.4695	342.32
391.34	-0.4743	342.18
391.44	-0.47898	342.03
391.54	-0.48352	341.89
391.64	-0.48793	341.74
391.74	-0.49221	341.6
391.84	-0.49636	341.45
391.94	-0.50037	341.3
392.	-0.50274	341.21
392.01	-0.50313	341.2
392.02	-0.50352	341.19
392.05	-0.50469	341.2
392.14	-0.50807	341.41
392.24	-0.51171	341.85
392.34	-0.51523	342.42
392.44	-0.51862	343.13
392.54	-0.52189	343.94
392.64	-0.52505	344.84
392.74	-0.5281	345.82
392.84	-0.53104	346.89
392.94	-0.53387	348.02
393.	-0.53553	348.72
393.01	-0.5358	348.84
393.02	-0.53608	348.94
393.05	-0.53689	349.22
393.14	-0.53924	349.76
393.24	-0.54176	350.12
393.34	-0.54418	350.28
393.44	-0.5465	350.29
393.54	-0.54873	350.17
393.64	-0.55086	349.95
393.74	-0.55289	349.64
393.84	-0.55483	349.25
393.94	-0.55667	348.78
394.	-0.55774	348.47
394.01	-0.55792	348.42
394.02	-0.55809	348.37
394.05	-0.55861	348.21
394.14	-0.56009	347.68
394.24	-0.56164	347.04
394.34	-0.56307	346.35
394.44	-0.56441	345.62
394.54	-0.56563	344.84
394.64	-0.56674	344.02
394.74	-0.56774	343.15
394.84	-0.56862	342.25
394.94	-0.56939	341.31
395.	-0.5698	340.73
395.01	-0.56987	340.64
395.02	-0.56994	340.55
395.05		

	-0.57013	340.28
395.14	-0.57061	339.6
395.24	-0.57102	338.93
395.34	-0.57132	338.32
395.44	-0.57149	337.76
395.54	-0.57155	337.23
395.64	-0.57148	336.74
395.74	-0.57131	336.27
395.84	-0.57101	335.82
395.94	-0.57061	335.39
396.	-0.57032	335.13
396.01	-0.57028	335.1
396.02	-0.57023	335.07
396.05	-0.57007	335.03
396.14	-0.56952	335.24
396.24	-0.5688	335.78
396.34	-0.56797	336.57
396.44	-0.56706	337.57
396.54	-0.56605	338.76
396.64	-0.56497	340.1
396.74	-0.5638	341.58
396.84	-0.56256	343.19
396.94	-0.56126	344.93
397.	-0.56045	346.01
397.01	-0.56032	346.18
397.02	-0.56018	346.34
397.05	-0.55976	346.75
397.14	-0.55845	347.49
397.24	-0.55695	347.88
397.34	-0.55539	347.94
397.44	-0.55377	347.73
397.54	-0.5521	347.31
397.64	-0.55037	346.7
397.74	-0.54858	345.94
397.84	-0.54672	345.03
397.94	-0.54481	343.99
398.	-0.54363	343.33
398.01	-0.54344	343.22
398.02	-0.54324	343.11
398.05	-0.54265	342.82
398.14	-0.54081	342.03
398.24	-0.53868	341.25
398.34	-0.53648	340.52
398.44	-0.5342	339.82
398.54	-0.53183	339.15
398.64	-0.52937	338.49
398.74	-0.52681	337.84
398.84	-0.52416	337.2
398.94	-0.52141	336.55
399.	-0.51972	336.16
399.01	-0.51944	336.1
399.02	-0.51915	336.04
399.05	-0.51829	335.87
399.14	-0.51564	335.48
399.24	-0.51258	335.14
399.34	-0.50942	334.88
399.44	-0.50616	334.68
399.54	-0.50281	334.53
399.64	-0.49936	334.43
399.74	-0.49581	334.37
399.84		

	-0.49218	334.34
399.94	-0.48845	
400.	-0.48618	334.35
400.01	-0.4858	
400.02	-0.48542	
400.05	-0.48427	334.33
400.14	-0.48076	334.17
400.24	-0.47677	333.9
400.34	-0.4727	333.56
400.44	-0.46854	333.17
400.54	-0.46431	332.74
400.64	-0.45999	332.26
400.74	-0.45559	331.76
400.84	-0.45112	331.22
400.94	-0.44656	330.66
401.	-0.4438	330.32
401.01	-0.44333	330.26
401.02	-0.44287	330.2
401.05	-0.44148	330.05
401.14	-0.43723	329.64
401.24	-0.43243	329.24
401.34	-0.42755	328.88
401.44	-0.42259	328.54
401.54	-0.41754	328.24
401.64	-0.4124	327.95
401.74	-0.40718	327.68
401.84	-0.40187	327.42
401.94	-0.39648	327.18
402.	-0.39321	327.04
402.01	-0.39267	327.02
402.02	-0.39212	326.99
402.05	-0.39047	326.92
402.14	-0.38546	326.67
402.24	-0.3798	326.38
402.34	-0.37405	326.08
402.44	-0.36821	325.77
402.54	-0.36229	325.45
402.64	-0.35627	325.13
402.74	-0.35016	324.81
402.84	-0.34397	324.48
402.94	-0.33768	324.15
403.	-0.33388	323.94
403.01	-0.33324	323.91
403.02	-0.3326	323.88
403.05	-0.33069	323.77
403.14	-0.32486	323.4
403.24	-0.3183	322.95
403.34	-0.31165	322.48
403.44	-0.30489	322.33
403.54	-0.29805	322.3
403.64	-0.2911	322.26
403.74	-0.28406	322.23
403.84	-0.27692	322.18
403.94	-0.26968	322.14
404.	-0.2653	322.11
404.01	-0.26457	322.1
404.02	-0.26384	
404.05	-0.26164	
404.14	-0.25494	
404.24	-0.2474	322.13

404.34	-0.23976	322.17
404.44	-0.23201	322.22
404.54	-0.22416	322.28
404.64	-0.21621	322.35
404.74	-0.20816	322.43
404.84	-0.20001	322.52
404.94	-0.19175	322.61
405.	-0.18676	322.66
405.01	-0.18593	322.67
405.02	-0.1851	322.68
405.05	-0.18259	322.7
405.14	-0.17497	322.77
405.24	-0.16641	322.83
405.34	-0.15776	322.89
405.44	-0.149	322.94
405.54	-0.14014	322.99
405.64	-0.13119	323.04
405.74	-0.12214	323.09
405.84	-0.11299	323.14
405.94	-0.10375	323.18
406.	-9.8163e-002	323.21
406.01	-9.7231e-002	323.22
406.02	-9.6299e-002	
406.05	-9.3492e-002	323.23
406.14	-8.4994e-002	323.24
406.24	-7.5453e-002	
406.34	-6.5813e-002	323.23
406.44	-5.6073e-002	323.21
406.54	-4.6231e-002	323.19
406.64	-3.6287e-002	323.16
406.74	-2.624e-002	323.13
406.84	-1.6089e-002	323.09
406.94	-5.8321e-003	323.04
407.	3.6011e-004	323.01
407.01	1.3931e-003	
407.02	2.427e-003	
407.05	5.5379e-003	323.
407.14	1.4957e-002	323.02
407.24	2.553e-002	323.05
407.34	3.6211e-002	323.09
407.44	4.6998e-002	323.15
407.54	5.7891e-002	323.22
407.64	6.8891e-002	323.29
407.74	7.9996e-002	323.38
407.84	9.1206e-002	323.47
407.94	0.10252	323.57
408.	0.10934	323.63
408.01	0.11048	323.64
408.02	0.11162	323.65
408.05	0.11505	323.67
408.14	0.12542	323.71
408.24	0.13705	323.74
408.34	0.14877	323.75
408.44	0.1606	323.76
408.54	0.17252	323.75
408.64	0.18455	323.74
408.74	0.19667	323.72
408.84	0.20889	323.69
408.94	0.22121	323.66
409.	0.22864	

409.01	0.22988	323.63
409.02	0.23112	
409.05	0.23485	323.64
409.14	0.24611	323.68
409.24	0.25872	323.76
409.34	0.27143	323.85
409.44	0.28423	323.97
409.54	0.29713	324.1
409.64	0.31013	324.24
409.74	0.32321	324.39
409.84	0.33639	324.56
409.94	0.34966	324.73
410.	0.35766	324.84
410.01	0.35899	324.86
410.02	0.36032	324.88
410.05	0.36434	324.91
410.14	0.37644	325.
410.24	0.38998	325.07
410.34	0.4036	325.13
410.44	0.41731	325.17
410.54	0.43111	325.2
410.64	0.44498	325.22
410.74	0.45894	325.23
410.84	0.47298	
410.94	0.4871	325.22
411.	0.49561	325.21
411.01	0.49703	
411.02	0.49844	
411.05	0.50271	
411.14	0.51556	325.22
411.24	0.52993	325.23
411.34	0.54438	325.25
411.44	0.55892	325.26
411.54	0.57354	325.28
411.64	0.58824	325.3
411.74	0.60303	325.32
411.84	0.6179	325.34
411.94	0.63285	325.36
412.	0.64186	325.37
412.01	0.64336	
412.02	0.64486	325.38
412.05	0.64938	
412.14	0.66299	325.41
412.24	0.6782	325.43
412.34	0.69349	325.46
412.44	0.70886	325.48
412.54	0.72431	325.51
412.64	0.73984	325.54
412.74	0.75545	325.57
412.84	0.77114	325.6
412.94	0.78691	325.63
413.	0.7964	325.64
413.01	0.79798	325.65
413.02	0.79956	
413.05	0.80431	325.66
413.14	0.81864	325.69
413.24	0.83463	325.72
413.34	0.85069	325.75
413.44	0.86683	325.79
413.54	0.88304	325.82

413.64	0.89931	325.86
413.74	0.91566	325.9
413.84	0.93207	325.93
413.94	0.94856	325.97
414.	0.95847	325.99
414.01	0.96012	326.
414.02	0.96178	
414.05	0.96674	326.03
414.14	0.98169	326.15
414.24	0.99836	326.32
414.34	1.0151	326.51
414.44	1.0319	326.72
414.54	1.0487	326.95
414.64	1.0656	327.2
414.74	1.0826	327.46
414.84	1.0996	327.74
414.94	1.1166	328.04
415.	1.1269	328.22
415.01	1.1286	328.25
415.02	1.1303	328.27
415.05	1.1354	328.33
415.14	1.1509	328.48
415.24	1.168	328.6
415.34	1.1853	328.7
415.44	1.2025	328.76
415.54	1.2198	328.81
415.64	1.2371	328.84
415.74	1.2545	328.85
415.84	1.2719	328.84
415.94	1.2894	328.82
416.	1.2999	328.81
416.01	1.3016	328.8
416.02	1.3033	
416.05	1.3086	
416.14	1.3244	328.79
416.24	1.3419	328.78
416.34	1.3595	328.77
416.44	1.3772	328.76
416.54	1.3949	328.74
416.64	1.4126	328.73
416.74	1.4304	328.71
416.84	1.4482	328.68
416.94	1.4661	328.66
417.	1.4769	328.65
417.01	1.4787	328.64
417.02	1.4805	
417.05	1.4859	328.63
417.14	1.502	328.6
417.24	1.5201	328.56
417.34	1.5382	328.52
417.44	1.5563	328.48
417.54	1.5745	328.43
417.64	1.5928	328.38
417.74	1.611	328.33
417.84	1.6294	328.27
417.94	1.6478	328.21
418.	1.6588	328.17
418.01	1.6607	
418.02	1.6625	
418.05	1.668	328.16

418.14	1.6847	328.15
418.24	1.7032	328.17
418.34	1.7218	328.19
418.44	1.7404	328.23
418.54	1.759	328.28
418.64	1.7777	328.34
418.74	1.7964	328.4
418.84	1.8152	328.47
418.94	1.834	328.55
419.	1.8453	328.6
419.01	1.8472	328.61
419.02	1.8491	328.62
419.05	1.8547	328.65
419.14	1.8717	328.75
419.24	1.8906	328.88
419.34	1.9095	329.03
419.44	1.9285	329.18
419.54	1.9474	329.34
419.64	1.9664	329.52
419.74	1.9855	329.7
419.84	2.0045	329.89
419.94	2.0236	330.08
420.	2.035	330.2
420.01	2.0369	330.22
420.02	2.0388	330.24
420.05	2.0445	330.27
420.14	2.0617	330.33
420.24	2.0808	330.36
420.34	2.1	330.35
420.44	2.1191	330.31
420.54	2.1383	330.26
420.64	2.1575	330.18
420.74	2.1767	330.08
420.84	2.1959	329.96
420.94	2.2152	329.83
421.	2.2267	329.75
421.01	2.2286	329.74
421.02	2.2306	329.72
421.05	2.2364	329.7
421.14	2.2537	329.63
421.24	2.2731	329.58
421.34	2.2925	329.53
421.44	2.3119	329.5
421.54	2.3313	329.47
421.64	2.3508	329.45
421.74	2.3704	329.43
421.84	2.39	329.41
421.94	2.4096	
422.	2.4214	
422.01	2.4233	329.4
422.02	2.4253	
422.05	2.4312	
422.14	2.449	329.43
422.24	2.4687	329.46
422.34	2.4885	329.51
422.44	2.5083	329.57
422.54	2.5282	329.64
422.64	2.5481	329.71
422.74	2.5681	329.79
422.84	2.5881	329.88

422.94	2.6081	329.97
423.	2.6201	330.03
423.01	2.6221	330.04
423.02	2.6241	330.05
423.05	2.6301	330.07
423.14	2.6482	330.13
423.24	2.6683	330.2
423.34	2.6884	330.26
423.44	2.7086	330.31
423.54	2.7288	330.36
423.64	2.749	330.41
423.74	2.7693	330.46
423.84	2.7895	330.51
423.94	2.8098	330.55
424.	2.822	330.58
424.01	2.824	330.59
424.02	2.8261	
424.05	2.8322	330.61
424.14	2.8505	330.68
424.24	2.8708	330.76
424.34	2.8912	330.85
424.44	2.9116	330.94
424.54	2.9321	331.04
424.64	2.9526	331.15
424.74	2.973	331.26
424.84	2.9936	331.38
424.94	3.0141	331.49
425.	3.0264	331.57
425.01	3.0285	331.58
425.02	3.0305	331.59
425.05	3.0367	331.61
425.14	3.0553	331.68
425.24	3.0759	331.73
425.34	3.0965	331.76
425.44	3.1172	331.79
425.54	3.1379	331.81
425.64	3.1586	331.82
425.74	3.1793	331.83
425.84	3.2001	
425.94	3.2209	331.82
426.	3.2333	331.81
426.01	3.2354	
426.02	3.2375	
426.05	3.2438	
426.14	3.2625	331.79
426.24	3.2834	331.77
426.34	3.3043	331.74
426.44	3.3252	331.7
426.54	3.3462	331.67
426.64	3.3672	331.63
426.74	3.3882	331.58
426.84	3.4092	331.54
426.94	3.4303	331.48
427.	3.443	331.45
427.01	3.4451	
427.02	3.4472	
427.05	3.4535	331.44
427.14	3.4726	
427.24	3.4938	331.45
427.34	3.515	331.48

427.44	3.5362	331.51
427.54	3.5575	331.56
427.64	3.5788	331.61
427.74	3.6002	331.67
427.84	3.6216	331.73
427.94	3.643	331.8
428.	3.6558	331.85
428.01	3.658	
428.02	3.6601	331.86
428.05	3.6665	331.88
428.14	3.6858	331.95
428.24	3.7073	332.04
428.34	3.7288	332.12
428.44	3.7503	332.21
428.54	3.7719	332.3
428.64	3.7934	332.4
428.74	3.815	332.5
428.84	3.8366	332.6
428.94	3.8582	332.7
429.	3.8712	332.77
429.01	3.8734	332.78
429.02	3.8755	332.79
429.05	3.882	332.8
429.14	3.9015	332.83
429.24	3.9231	332.84
429.34	3.9448	332.82
429.44	3.9665	332.79
429.54	3.9882	332.75
429.64	4.0099	332.7
429.74	4.0316	332.63
429.84	4.0534	332.55
429.94	4.0751	332.47
430.	4.0882	332.41
430.01	4.0904	332.4
430.02	4.0926	
430.05	4.0991	332.39
430.14	4.1187	
430.24	4.1406	332.42
430.34	4.1624	332.46
430.44	4.1843	332.53
430.54	4.2062	332.61
430.64	4.2281	332.7
430.74	4.2501	332.8
430.84	4.2721	332.92
430.94	4.2941	333.04
431.	4.3073	333.12
431.01	4.3095	333.13
431.02	4.3117	333.14
431.05	4.3183	333.16
431.14	4.3381	333.2
431.24	4.3602	333.22
431.34	4.3823	333.21
431.44	4.4044	333.19
431.54	4.4265	333.16
431.64	4.4487	333.12
431.74	4.4708	333.06
431.84	4.493	332.99
431.94	4.5152	332.92
432.	4.5285	332.87
432.01	4.5307	332.86

432.02	4.533	
432.05	4.5396	332.84
432.14	4.5596	332.8
432.24	4.5819	332.76
432.34	4.6042	332.73
432.44	4.6265	332.71
432.54	4.6488	332.69
432.64	4.6712	332.67
432.74	4.6935	332.65
432.84	4.7159	332.64
432.94	4.7384	332.62
433.	4.7518	
433.01	4.7541	
433.02	4.7563	332.61
433.05	4.7631	
433.14	4.7833	332.6
433.24	4.8058	332.58
433.34	4.8283	332.57
433.44	4.8509	332.55
433.54	4.8735	332.54
433.64	4.8961	332.52
433.74	4.9188	332.5
433.84	4.9414	332.49
433.94	4.9641	332.47
434.	4.9778	332.46
434.01	4.98	
434.02	4.9823	
434.05	4.9891	
434.14	5.0096	332.49
434.24	5.0324	332.54
434.34	5.0552	332.6
434.44	5.078	332.68
434.54	5.1008	332.76
434.64	5.1237	332.86
434.74	5.1466	332.96
434.84	5.1695	333.07
434.94	5.1924	333.18
435.	5.2062	333.26
435.01	5.2084	333.27
435.02	5.2107	333.28
435.05	5.2176	333.3
435.14	5.2383	333.35
435.24	5.2613	333.39
435.34	5.2843	333.42
435.44	5.3073	333.43
435.54	5.3303	333.44
435.64	5.3534	333.43
435.74	5.3764	333.42
435.84	5.3995	333.4
435.94	5.4226	333.38
436.	5.4365	333.36
436.01	5.4388	
436.02	5.4411	
436.05	5.4481	
436.14	5.4689	333.35
436.24	5.4921	333.36
436.34	5.5153	333.37
436.44	5.5385	333.38
436.54	5.5617	333.39
436.64	5.585	333.41

436.74	5.6083	333.43
436.84	5.6316	333.45
436.94	5.6549	333.47
437.	5.669	333.48
437.01	5.6713	333.49
437.02	5.6736	
437.05	5.6806	
437.14	5.7017	333.48
437.24	5.7251	333.47
437.34	5.7486	333.44
437.44	5.772	333.41
437.54	5.7956	333.38
437.64	5.8191	333.34
437.74	5.8426	333.29
437.84	5.8662	333.25
437.94	5.8898	333.19
438.	5.904	333.16
438.01	5.9064	333.15
438.02	5.9088	
438.05	5.9158	333.14
438.14	5.9371	333.11
438.24	5.9608	333.09
438.34	5.9846	333.07
438.44	6.0083	333.05
438.54	6.0321	333.04
438.64	6.0559	333.03
438.74	6.0798	
438.84	6.1036	333.02
438.94	6.1275	
439.	6.1419	
439.01	6.1443	
439.02	6.1466	
439.05	6.1538	333.01
439.14	6.1754	332.99
439.24	6.1994	332.95
439.34	6.2234	332.92
439.44	6.2474	332.87
439.54	6.2715	332.82
439.64	6.2956	332.77
439.74	6.3197	332.72
439.84	6.3438	332.66
439.94	6.368	332.6
440.	6.3825	332.56
440.01	6.3849	
440.02	6.3873	332.55
440.05	6.3946	332.54
440.14	6.4164	332.51
440.24	6.4407	332.5
440.34	6.4649	332.49
440.44	6.4893	
440.54	6.5136	332.5
440.64	6.538	332.51
440.74	6.5624	332.52
440.84	6.5868	332.54
440.94	6.6112	332.57
441.	6.6259	332.58
441.01	6.6284	332.59
441.02	6.6308	
441.05	6.6382	
441.14	6.6602	332.58

441.24	6.6848	332.55
441.34	6.7093	332.52
441.44	6.7339	332.48
441.54	6.7585	332.43
441.64	6.7832	332.38
441.74	6.8079	332.32
441.84	6.8326	332.27
441.94	6.8573	332.23
442.	6.8722	332.2
442.01	6.8746	
442.02	6.8771	332.19
442.05	6.8846	332.18
442.14	6.9069	332.15
442.24	6.9317	332.11
442.34	6.9566	332.07
442.44	6.9815	332.04
442.54	7.0064	332.01
442.64	7.0313	331.97
442.74	7.0563	331.94
442.84	7.0814	331.91
442.94	7.1065	331.89
443.	7.1215	331.87
443.01	7.124	
443.02	7.1265	
443.05	7.1341	331.86
443.14	7.1567	331.84
443.24	7.1819	331.81
443.34	7.2071	331.79
443.44	7.2323	331.77
443.54	7.2576	331.75
443.64	7.2829	331.74
443.74	7.3083	331.73
443.84	7.3337	331.75
443.94	7.3591	331.77
444.	7.3744	331.78
444.01	7.3769	331.79
444.02	7.3795	
444.05	7.3871	331.8
444.14	7.41	331.82
444.24	7.4355	331.86
444.34	7.4611	331.89
444.44	7.4867	331.93
444.54	7.5123	331.97
444.64	7.5379	332.02
444.74	7.5636	332.06
444.84	7.5893	332.11
444.94	7.615	332.16
445.	7.6305	332.19
445.01	7.6331	
445.02	7.6356	332.2
445.05	7.6434	332.21
445.14	7.6666	332.22
445.24	7.6924	
445.34	7.7182	332.21
445.44	7.7441	332.2
445.54	7.77	332.17
445.64	7.7959	332.15
445.74	7.8219	332.11
445.84	7.8479	332.07
445.94	7.8739	332.03

446.	7.8895	332.01
446.01	7.8921	332.
446.02	7.8947	
446.05	7.9025	331.99
446.14	7.926	331.96
446.24	7.9521	331.93
446.34	7.9782	331.91
446.44	8.0044	331.88
446.54	8.0306	331.86
446.64	8.0569	331.84
446.74	8.0831	331.81
446.84	8.1094	331.79
446.94	8.1358	331.77
447.	8.1516	331.76
447.01	8.1542	
447.02	8.1568	331.75
447.05	8.1648	
447.14	8.1885	331.71
447.24	8.2149	331.68
447.34	8.2414	331.64
447.44	8.2679	331.61
447.54	8.2944	331.57
447.64	8.321	331.54
447.74	8.3476	331.51
447.84	8.3742	331.48
447.94	8.4009	331.44
448.	8.4169	331.42
448.01	8.4195	
448.02	8.4222	
448.05	8.4302	331.41
448.14	8.4543	331.39
448.24	8.481	331.36
448.34	8.5078	331.33
448.44	8.5346	331.31
448.54	8.5614	331.29
448.64	8.5883	331.27
448.74	8.6152	331.25
448.84	8.6421	331.23
448.94	8.669	331.21
449.	8.6852	
449.01	8.6879	331.2
449.02	8.6906	
449.05	8.6987	
449.14	8.723	331.19
449.24	8.75	331.2
449.34	8.777	331.23
449.44	8.8041	331.25
449.54	8.8312	331.27
449.64	8.8583	331.3
449.74	8.8854	331.33
449.84	8.9125	331.36
449.94	8.9397	331.4
450.	8.956	331.42
450.01	8.9587	
450.02	8.9614	
450.05	8.9696	331.43
450.14	8.994	
450.24	9.0213	331.42
450.34	9.0485	331.41
450.44	9.0757	331.38

450.54	9.103	331.36
450.64	9.1303	331.32
450.74	9.1576	331.29
450.84	9.1849	331.25
450.94	9.2122	331.21
451.	9.2286	331.18
451.01	9.2313	
451.02	9.2341	
451.05	9.2423	331.17
451.14	9.2669	331.14
451.24	9.2943	331.12
451.34	9.3217	331.09
451.44	9.3491	331.07
451.54	9.3766	331.05
451.64	9.404	331.03
451.74	9.4315	331.01
451.84	9.459	330.99
451.94	9.4865	330.97
452.	9.5031	330.96
452.01	9.5058	
452.02	9.5086	330.95
452.05	9.5168	
452.14	9.5417	330.93
452.24	9.5692	330.91
452.34	9.5968	330.89
452.44	9.6245	330.87
452.54	9.6521	330.84
452.64	9.6798	330.82
452.74	9.7075	330.8
452.84	9.7352	330.77
452.94	9.7629	330.75
453.	9.7796	330.74
453.01	9.7823	
453.02	9.7851	330.73
453.05	9.7934	
453.14	9.8184	330.7
453.24	9.8462	330.68
453.34	9.874	330.66
453.44	9.9018	330.63
453.54	9.9297	330.61
453.64	9.9575	330.59
453.74	9.9854	330.56
453.84	10.013	330.54
453.94	10.041	330.51
454.	10.058	330.5
454.01	10.061	330.49
454.02	10.064	
454.05	10.072	330.48
454.14	10.097	330.46
454.24	10.125	330.43
454.34	10.153	330.41
454.44	10.181	330.38
454.54	10.209	330.36
454.64	10.237	330.33
454.74	10.265	330.31
454.84	10.293	330.28
454.94	10.321	330.25
455.	10.338	330.24
455.01	10.341	
455.02	10.344	330.23

455.05	10.352	
455.14	10.378	330.2
455.24	10.406	330.18
455.34	10.434	330.15
455.44	10.462	330.13
455.54	10.49	330.1
455.64	10.518	330.08
455.74	10.547	330.05
455.84	10.575	330.02
455.94	10.603	330.
456.	10.62	329.98
456.01	10.623	
456.02	10.626	
456.05	10.634	329.97
456.14	10.66	329.95
456.24	10.688	329.92
456.34	10.716	329.9
456.44	10.745	329.87
456.54	10.773	329.85
456.64	10.801	329.82
456.74	10.83	329.8
456.84	10.858	329.78
456.94	10.886	329.75
457.	10.903	329.74
457.01	10.906	
457.02	10.909	
457.05	10.918	329.73
457.14	10.943	329.71
457.24	10.972	329.69
457.34	11.	329.67
457.44	11.029	329.65
457.54	11.057	329.64
457.64	11.086	329.62
457.74	11.114	329.6
457.84	11.143	329.58
457.94	11.171	329.56
458.	11.188	329.55
458.01	11.191	
458.02	11.194	
458.05	11.203	
458.14	11.228	329.53
458.24	11.257	329.51
458.34	11.285	329.49
458.44	11.314	329.48
458.54	11.343	329.46
458.64	11.371	329.44
458.74	11.4	329.42
458.84	11.429	329.4
458.94	11.457	329.37
459.	11.474	329.36
459.01	11.477	
459.02	11.48	
459.05	11.489	329.35
459.14	11.515	329.33
459.24	11.543	329.3
459.34	11.572	329.28
459.44	11.601	329.26
459.54	11.63	329.23
459.64	11.658	329.21
459.74	11.687	329.19

459.84	11.716	329.16
459.94	11.745	329.14
460.	11.762	329.13
460.01	11.765	
460.02	11.768	
460.05	11.777	329.12
460.14	11.802	329.11
460.24	11.831	329.09
460.34	11.86	329.07
460.44	11.889	329.06
460.54	11.918	329.04
460.64	11.947	329.02
460.74	11.976	329.01
460.84	12.005	328.99
460.94	12.034	328.97
461.	12.051	328.95
461.01	12.054	
461.02	12.057	
461.05	12.065	328.94
461.14	12.091	328.92
461.24	12.12	328.9
461.34	12.149	328.87
461.44	12.178	328.85
461.54	12.207	328.82
461.64	12.236	328.8
461.74	12.265	328.77
461.84	12.294	328.75
461.94	12.323	328.72
462.	12.341	328.71
462.01	12.343	
462.02	12.346	328.7
462.05	12.355	
462.14	12.381	328.68
462.24	12.41	328.65
462.34	12.439	328.63
462.44	12.468	328.61
462.54	12.497	328.58
462.64	12.526	328.56
462.74	12.556	328.54
462.84	12.585	328.51
462.94	12.614	328.49
463.	12.631	328.48
463.01	12.634	328.47
463.02	12.637	
463.05	12.646	328.46
463.14	12.672	328.44
463.24	12.701	328.41
463.34	12.73	328.39
463.44	12.759	328.36
463.54	12.788	328.34
463.64	12.817	328.31
463.74	12.847	328.29
463.84	12.876	328.27
463.94	12.905	328.25
464.	12.922	328.23
464.01	12.925	
464.02	12.928	
464.05	12.937	328.22
464.14	12.963	328.21
464.24	12.992	328.19

464.34	13.021	328.17
464.44	13.051	328.15
464.54	13.08	328.14
464.64	13.109	328.12
464.74	13.138	328.1
464.84	13.167	328.08
464.94	13.196	328.07
465.	13.214	328.06
465.01	13.217	328.05
465.02	13.22	
465.05	13.228	
465.14	13.255	328.03
465.24	13.284	328.01
465.34	13.313	327.99
465.44	13.342	327.97
465.54	13.371	327.95
465.64	13.4	327.93
465.74	13.43	327.9
465.84	13.459	327.88
465.94	13.488	327.86
466.	13.505	327.84
466.01	13.508	
466.02	13.511	
466.05	13.52	327.83
466.14	13.546	327.81
466.24	13.575	327.78
466.34	13.605	327.75
466.44	13.634	327.72
466.54	13.663	327.69
466.64	13.692	327.66
466.74	13.721	327.63
466.84	13.751	327.6
466.94	13.78	327.58
467.	13.797	327.56
467.01	13.8	327.55
467.02	13.803	
467.05	13.812	327.54
467.14	13.838	327.51
467.24	13.867	327.48
467.34	13.897	327.45
467.44	13.926	327.42
467.54	13.955	327.4
467.64	13.984	327.37
467.74	14.014	327.34
467.84	14.043	327.31
467.94	14.072	327.28
468.	14.09	327.27
468.01	14.092	327.26
468.02	14.095	
468.05	14.104	327.25
468.14	14.13	327.23
468.24	14.16	327.2
468.34	14.189	327.18
468.44	14.218	327.15
468.54	14.247	327.13
468.64	14.277	327.1
468.74	14.306	327.08
468.84	14.335	327.05
468.94	14.364	327.02
469.	14.382	327.01

469.01	14.385	327.
469.02	14.388	
469.05	14.396	326.99
469.14	14.423	326.97
469.24	14.452	326.94
469.34	14.481	326.91
469.44	14.51	326.89
469.54	14.539	326.86
469.64	14.569	326.83
469.74	14.598	326.8
469.84	14.627	326.77
469.94	14.656	326.75
470.	14.674	326.73
470.01	14.677	
470.02	14.679	
470.05	14.688	326.72
470.14	14.715	326.69
470.24	14.744	326.67
470.34	14.773	326.64
470.44	14.802	326.62
470.54	14.831	326.59
470.64	14.86	326.56
470.74	14.89	326.54
470.84	14.919	326.51
470.94	14.948	326.48
471.	14.966	326.46
471.01	14.968	
471.02	14.971	
471.05	14.98	326.45
471.14	15.006	326.42
471.24	15.036	326.39
471.34	15.065	326.37
471.44	15.094	326.34
471.54	15.123	326.31
471.64	15.152	326.28
471.74	15.181	326.25
471.84	15.211	326.21
471.94	15.24	326.18
472.	15.257	326.17
472.01	15.26	326.16
472.02	15.263	
472.05	15.272	326.15
472.14	15.298	326.12
472.24	15.327	326.09
472.34	15.356	326.06
472.44	15.386	326.03
472.54	15.415	326.
472.64	15.444	325.97
472.74	15.473	325.94
472.84	15.502	325.91
472.94	15.531	325.88
473.	15.549	325.86
473.01	15.552	
473.02	15.555	
473.05	15.564	325.85
473.14	15.59	325.83
473.24	15.619	325.8
473.34	15.648	325.77
473.44	15.677	325.74
473.54	15.706	325.72

473.64	15.735	325.69
473.74	15.765	325.66
473.84	15.794	325.63
473.94	15.823	325.6
474.	15.84	325.59
474.01	15.843	325.58
474.02	15.846	
474.05	15.855	325.57
474.14	15.881	325.54
474.24	15.91	325.51
474.34	15.939	325.48
474.44	15.968	325.45
474.54	15.997	325.42
474.64	16.027	325.39
474.74	16.056	325.36
474.84	16.085	325.33
474.94	16.114	325.3
475.	16.131	325.28
475.01	16.134	325.27
475.02	16.137	
475.05	16.146	325.26
475.14	16.172	325.23
475.24	16.201	325.2
475.34	16.23	325.17
475.44	16.259	325.14
475.54	16.288	325.11
475.64	16.317	325.08
475.74	16.346	325.05
475.84	16.376	325.02
475.94	16.405	325.
476.	16.422	324.98
476.01	16.425	
476.02	16.428	324.97
476.05	16.437	
476.14	16.463	324.94
476.24	16.492	324.92
476.34	16.521	324.9
476.44	16.55	324.87
476.54	16.579	324.85
476.64	16.608	324.82
476.74	16.637	324.8
476.84	16.666	324.77
476.94	16.695	324.75
477.	16.712	324.73
477.01	16.715	
477.02	16.718	
477.05	16.727	324.72
477.14	16.753	324.69
477.24	16.782	324.67
477.34	16.811	324.64
477.44	16.84	324.61
477.54	16.869	324.58
477.64	16.897	324.55
477.74	16.926	324.52
477.84	16.955	324.49
477.94	16.984	324.46
478.	17.002	324.44
478.01	17.005	324.43
478.02	17.007	
478.05	17.016	324.42

478.14	17.042	324.39
478.24	17.071	324.36
478.34	17.1	324.33
478.44	17.129	324.3
478.54	17.158	324.27
478.64	17.187	324.24
478.74	17.216	324.21
478.84	17.244	324.18
478.94	17.273	324.15
479.	17.291	324.14
479.01	17.294	324.13
479.02	17.296	
479.05	17.305	324.12
479.14	17.331	324.1
479.24	17.36	324.07
479.34	17.389	324.05
479.44	17.418	324.02
479.54	17.446	324.
479.64	17.475	323.97
479.74	17.504	323.95
479.84	17.533	323.92
479.94	17.562	323.9
480.	17.579	323.89
480.01	17.582	323.88
480.02	17.585	
480.05	17.593	323.87
480.14	17.619	323.85
480.24	17.648	323.83
480.34	17.677	323.8
480.44	17.705	323.78
480.54	17.734	323.76
480.64	17.763	323.73
480.74	17.792	323.71
480.84	17.82	323.68
480.94	17.849	323.66
481.	17.866	323.64
481.01	17.869	
481.02	17.872	323.63
481.05	17.88	
481.14	17.906	323.6
481.24	17.935	323.58
481.34	17.964	323.55
481.44	17.992	323.52
481.54	18.021	323.5
481.64	18.049	323.47
481.74	18.078	323.44
481.84	18.107	323.42
481.94	18.135	323.4
482.	18.152	323.38
482.01	18.155	
482.02	18.158	
482.05	18.167	323.37
482.14	18.192	323.35
482.24	18.221	323.33
482.34	18.249	323.31
482.44	18.278	323.28
482.54	18.306	323.26
482.64	18.335	323.24
482.74	18.363	323.22
482.84	18.392	323.2

482.94	18.42	323.18
483.	18.437	323.17
483.01	18.44	323.16
483.02	18.443	
483.05	18.452	323.15
483.14	18.477	323.14
483.24	18.506	323.11
483.34	18.534	323.09
483.44	18.562	323.07
483.54	18.591	323.04
483.64	18.619	323.02
483.74	18.647	323.
483.84	18.676	322.97
483.94	18.704	322.95
484.	18.721	322.93
484.01	18.724	
484.02	18.727	
484.05	18.735	322.92
484.14	18.761	322.9
484.24	18.789	322.87
484.34	18.817	322.84
484.44	18.845	322.82
484.54	18.874	322.79
484.64	18.902	322.76
484.74	18.93	322.74
484.84	18.958	322.71
484.94	18.986	322.69
485.	19.003	322.67
485.01	19.006	
485.02	19.009	322.66
485.05	19.017	
485.14	19.043	322.63
485.24	19.071	322.61
485.34	19.099	322.58
485.44	19.127	322.56
485.54	19.133	322.53
485.64	19.128	322.51
485.74	19.124	322.48
485.84	19.119	322.46
485.94	19.115	322.43
486.	19.112	322.42
486.01		322.41
486.02	19.111	
486.05	19.11	322.4
486.14	19.106	322.38
486.24	19.102	322.36
486.34	19.097	322.33
486.44	19.093	322.31
486.54	19.088	322.28
486.64	19.084	322.26
486.74	19.079	322.23
486.84	19.075	322.2
486.94	19.07	322.18
487.	19.068	322.16
487.01	19.067	
487.02		
487.05	19.066	322.15
487.14	19.062	322.12
487.24	19.057	322.1
487.34	19.053	322.07

487.44	19.048	322.04
487.54	19.044	322.01
487.64	19.04	321.99
487.74	19.035	321.96
487.84	19.031	321.93
487.94	19.027	321.9
488.	19.024	321.88
488.01		
488.02	19.023	
488.05	19.022	321.87
488.14	19.018	321.84
488.24	19.014	321.82
488.34	19.009	321.79
488.44	19.005	321.76
488.54	19.001	321.73
488.64	18.996	321.7
488.74	18.992	321.67
488.84	18.988	321.64
488.94	18.983	321.61
489.	18.981	321.6
489.01	18.98	
489.02		321.59
489.05	18.979	321.58
489.14	18.975	321.56
489.24	18.971	321.53
489.34	18.966	321.5
489.44	18.962	321.48
489.54	18.958	321.45
489.64	18.954	321.42
489.74	18.949	321.39
489.84	18.945	321.37
489.94	18.941	321.34
490.	18.938	321.32
490.01		
490.02		321.31
490.05	18.936	
490.14	18.932	321.28
490.24	18.928	321.25
490.34	18.924	321.22
490.44	18.92	321.19
490.54	18.916	321.17
490.64	18.911	321.14
490.74	18.907	321.11
490.84	18.903	321.08
490.94	18.899	321.06
491.	18.896	321.04
491.01		
491.02		321.03
491.05	18.894	
491.14	18.891	321.
491.24	18.886	320.98
491.34	18.882	320.96
491.44	18.878	320.93
491.54	18.874	320.91
491.64	18.87	320.88
491.74	18.866	320.86
491.84	18.862	320.84
491.94	18.857	320.81
492.	18.855	320.8
492.01		320.79

492.02	18.854	
492.05	18.853	320.78
492.14	18.849	320.76
492.24	18.845	320.73
492.34	18.841	320.71
492.44	18.837	320.68
492.54	18.833	320.65
492.64	18.829	320.63
492.74	18.825	320.6
492.84	18.821	320.57
492.94	18.817	320.54
493.	18.814	320.52
493.01		
493.02	18.813	
493.05	18.812	320.51
493.14	18.808	320.48
493.24	18.804	320.46
493.34	18.8	320.43
493.44	18.796	320.4
493.54	18.792	320.37
493.64	18.788	320.34
493.74	18.784	320.31
493.84	18.78	320.28
493.94	18.776	320.25
494.	18.774	320.24
494.01	18.773	320.23
494.02		
494.05	18.772	320.22
494.14	18.768	320.2
494.24	18.764	320.17
494.34	18.76	320.14
494.44	18.756	320.11
494.54	18.752	320.08
494.64	18.748	320.05
494.74	18.744	320.02
494.84	18.74	319.99
494.94	18.736	319.96
495.	18.734	319.94
495.01		
495.02	18.733	
495.05	18.732	319.93
495.14	18.729	319.9
495.24	18.725	319.87
495.34	18.721	319.84
495.44	18.717	319.81
495.54	18.713	319.78
495.64	18.709	319.75
495.74	18.705	319.71
495.84	18.701	319.68
495.94	18.697	319.65
496.	18.695	319.63
496.01		
496.02	18.694	
496.05	18.693	319.62
496.14	18.689	319.59
496.24	18.686	319.56
496.34	18.682	319.53
496.44	18.678	319.5
496.54	18.674	319.47
496.64	18.67	319.44

496.74	18.666	319.41
496.84	18.662	319.39
496.94	18.659	319.36
497.	18.656	319.34
497.01		
497.02		
497.05	18.654	319.33
497.14	18.651	319.3
497.24	18.647	319.27
497.34	18.643	319.25
497.44	18.64	319.22
497.54	18.636	319.19
497.64	18.632	319.16
497.74	18.628	319.14
497.84	18.624	319.11
497.94	18.621	319.08
498.	18.618	319.06
498.01		
498.02		319.05
498.05	18.616	
498.14	18.613	319.02
498.24	18.609	318.99
498.34	18.605	318.96
498.44	18.602	318.93
498.54	18.598	318.9
498.64	18.594	318.87
498.74	18.59	318.84
498.84	18.587	318.81
498.94	18.583	318.78
499.	18.581	318.76
499.01	18.58	
499.02		318.75
499.05	18.579	318.74
499.14	18.576	318.72
499.24	18.572	318.69
499.34	18.568	318.66
499.44	18.564	318.63
499.54	18.561	318.6
499.64	18.557	318.57
499.74	18.553	318.54
499.84	18.55	318.51
499.94	18.546	318.48
500.	18.544	318.46
500.01	18.543	
500.02		
500.05	18.542	318.45
500.14	18.539	318.42
500.24	18.535	318.39
500.34	18.531	318.37
500.44	18.528	318.34
500.54	18.524	318.31
500.64	18.52	318.28
500.74	18.517	318.25
500.84	18.513	318.22
500.94	18.509	318.18
501.	18.507	318.17
501.01		318.16
501.02		
501.05	18.505	318.15
501.14	18.502	318.12

501.24	18.499	318.09
501.34	18.495	318.06
501.44	18.491	318.03
501.54	18.488	317.99
501.64	18.484	317.96
501.74	18.481	317.93
501.84	18.477	317.9
501.94	18.473	317.87
502.	18.471	317.85
502.01		317.84
502.02		
502.05	18.469	317.83
502.14	18.466	317.8
502.24	18.463	317.77
502.34	18.459	317.74
502.44	18.456	317.71
502.54	18.452	317.68
502.64	18.449	317.65
502.74	18.445	317.61
502.84	18.441	317.58
502.94	18.438	317.55
503.	18.436	317.53
503.01	18.435	
503.02		317.52
503.05	18.434	317.51
503.14	18.431	317.48
503.24	18.427	317.45
503.34	18.424	317.42
503.44	18.42	317.38
503.54	18.417	317.35
503.64	18.413	317.31
503.74	18.41	317.28
503.84	18.406	317.24
503.94	18.403	317.21
504.	18.401	317.19
504.01		
504.02	18.4	317.18
504.05	18.399	317.17
504.14	18.396	317.14
504.24	18.393	317.11
504.34	18.389	317.07
504.44	18.386	317.04
504.54	18.382	317.01
504.64	18.379	316.97
504.74	18.375	316.94
504.84	18.372	316.9
504.94	18.369	316.87
505.	18.367	316.85
505.01	18.366	
505.02		316.84
505.05	18.365	316.83
505.14	18.362	316.8
505.24	18.358	316.77
505.34	18.355	316.74
505.44	18.352	316.7
505.54	18.348	316.67
505.64	18.345	316.63
505.74	18.341	316.6
505.84	18.338	316.56
505.94	18.335	316.53

506.	18.333	316.51
506.01	18.332	316.5
506.02		
506.05	18.331	316.49
506.14	18.328	316.46
506.24	18.325	316.42
506.34	18.321	316.39
506.44	18.318	316.35
506.54	18.315	316.32
506.64	18.311	316.28
506.74	18.308	316.25
506.84	18.305	316.21
506.94	18.301	316.17
507.	18.299	316.15
507.01		
507.02		
507.05	18.298	316.14
507.14	18.295	316.1
507.24	18.291	316.07
507.34	18.288	316.03
507.44	18.285	316.
507.54	18.281	315.96
507.64	18.278	315.93
507.74	18.275	315.89
507.84	18.272	315.86
507.94	18.268	315.82
508.	18.266	315.8
508.01		315.79
508.02		
508.05	18.265	315.78
508.14	18.262	315.75
508.24	18.259	315.71
508.34	18.255	315.68
508.44	18.252	315.64
508.54	18.249	315.6
508.64	18.246	315.57
508.74	18.242	315.53
508.84	18.239	315.5
508.94	18.236	315.46
509.	18.234	315.44
509.01		
509.02	18.233	315.43
509.05	18.232	315.42
509.14	18.229	315.39
509.24	18.226	315.35
509.34	18.223	315.32
509.44	18.22	315.28
509.54	18.217	315.25
509.64	18.213	315.21
509.74	18.21	315.18
509.84	18.207	315.14
509.94	18.204	315.11
510.	18.202	315.09
510.01		315.08
510.02	18.201	
510.05	18.2	315.07
510.14	18.197	315.04
510.24	18.194	315.01
510.34	18.191	314.97
510.44	18.188	314.94

510.54	18.185	314.9
510.64	18.182	314.87
510.74	18.178	314.84
510.84	18.175	314.8
510.94	18.172	314.77
511.	18.17	314.75
511.01		
511.02		314.74
511.05	18.169	314.73
511.14	18.166	314.7
511.24	18.163	314.67
511.34	18.16	314.63
511.44	18.157	314.6
511.54	18.153	314.57
511.64	18.15	314.53
511.74	18.147	314.5
511.84	18.144	314.46
511.94	18.141	314.43
512.	18.139	314.41
512.01		314.4
512.02	18.138	
512.05		314.39
512.14	18.135	314.36
512.24	18.132	314.32
512.34	18.129	314.29
512.44	18.126	314.25
512.54	18.122	314.22
512.64	18.119	314.19
512.74	18.116	314.15
512.84	18.113	314.12
512.94	18.11	314.08
513.	18.108	314.06
513.01		
513.02		314.05
513.05	18.107	314.04
513.14	18.104	314.01
513.24	18.101	313.98
513.34	18.098	313.94
513.44	18.095	313.91
513.54	18.092	313.87
513.64	18.089	313.84
513.74	18.086	313.8
513.84	18.083	313.77
513.94	18.08	313.73
514.	18.078	313.71
514.01		
514.02	18.077	313.7
514.05		313.69
514.14	18.074	313.66
514.24	18.071	313.62
514.34	18.068	313.59
514.44	18.065	313.56
514.54	18.062	313.53
514.64	18.059	313.49
514.74	18.056	313.46
514.84	18.053	313.43
514.94	18.05	313.4
515.	18.048	313.38
515.01		
515.02		

515.05	18.047	313.37
515.14	18.044	313.34
515.24	18.041	313.31
515.34	18.038	313.28
515.44	18.035	313.25
515.54	18.032	313.22
515.64	18.029	313.2
515.74	18.026	313.17
515.84	18.023	313.14
515.94	18.02	313.11
516.	18.019	313.09
516.01	18.018	313.08
516.02		
516.05	18.017	313.07
516.14	18.015	313.04
516.24	18.012	313.01
516.34	18.009	312.98
516.44	18.006	312.95
516.54	18.003	312.92
516.64	18.	312.89
516.74	17.997	312.85
516.84	17.994	312.82
516.94	17.991	312.79
517.	17.99	312.77
517.01	17.989	
517.02		
517.05	17.988	312.76
517.14	17.986	312.73
517.24	17.983	312.7
517.34	17.98	312.67
517.44	17.977	312.64
517.54	17.974	312.61
517.64	17.971	312.58
517.74	17.969	312.55
517.84	17.966	312.52
517.94	17.963	312.49
518.	17.961	312.47
518.01		
518.02		
518.05	17.96	312.46
518.14	17.957	312.43
518.24	17.954	312.41
518.34	17.952	312.38
518.44	17.949	312.35
518.54	17.946	312.32
518.64	17.943	312.29
518.74	17.94	312.27
518.84	17.938	312.24
518.94	17.935	312.21
519.	17.933	312.19
519.01		
519.02		312.18
519.05	17.932	
519.14	17.929	312.15
519.24	17.926	312.12
519.34	17.924	312.09
519.44	17.921	312.06
519.54	17.918	312.03
519.64	17.915	312.
519.74	17.913	311.96

519.84	17.91	311.93
519.94	17.907	311.9
520.	17.905	311.88
520.01		
520.02		
520.05	17.904	311.87
520.14	17.902	311.84
520.24	17.899	311.81
520.34	17.896	311.78
520.44	17.893	311.75
520.54	17.891	311.72
520.64	17.888	311.69
520.74	17.885	311.66
520.84	17.883	311.63
520.94	17.88	311.6
521.	17.878	311.58
521.01		
521.02		
521.05	17.877	311.57
521.14	17.875	311.54
521.24	17.872	311.51
521.34	17.869	311.48
521.44	17.867	311.45
521.54	17.864	311.42
521.64	17.861	311.38
521.74	17.859	311.35
521.84	17.856	311.32
521.94	17.853	311.29
522.	17.852	311.28
522.01	17.851	311.27
522.02		
522.05	17.85	311.26
522.14	17.848	311.23
522.24	17.845	311.2
522.34	17.843	311.17
522.44	17.84	311.14
522.54	17.837	311.11
522.64	17.835	311.08
522.74	17.832	311.05
522.84	17.83	311.03
522.94	17.827	311.
523.	17.826	310.98
523.01	17.825	310.97
523.02		
523.05	17.824	310.96
523.14	17.822	310.94
523.24	17.819	310.91
523.34	17.817	310.88
523.44	17.814	310.85
523.54	17.812	310.82
523.64	17.809	310.79
523.74	17.806	310.76
523.84	17.804	310.73
523.94	17.801	310.7
524.	17.8	310.68
524.01		
524.02	17.799	
524.05		310.67
524.14	17.796	310.64
524.24	17.794	310.61

524.34	17.791	310.58
524.44	17.789	310.55
524.54	17.786	310.52
524.64	17.784	310.49
524.74	17.781	310.46
524.84	17.779	310.43
524.94	17.776	310.4
525.	17.775	310.38
525.01	17.774	
525.02		
525.05	17.773	310.37
525.14	17.771	310.34
525.24	17.769	310.31
525.34	17.766	310.28
525.44	17.764	310.25
525.54	17.761	310.22
525.64	17.759	310.19
525.74	17.756	310.16
525.84	17.754	310.13
525.94	17.751	310.1
526.	17.75	310.09
526.01		310.08
526.02	17.749	
526.05		310.07
526.14	17.747	310.04
526.24	17.744	310.01
526.34	17.742	309.98
526.44	17.739	309.95
526.54	17.737	309.92
526.64	17.734	309.89
526.74	17.732	309.86
526.84	17.73	309.83
526.94	17.727	309.81
527.	17.726	309.79
527.01		309.78
527.02	17.725	
527.05		309.77
527.14	17.722	309.75
527.24	17.72	309.72
527.34	17.718	309.69
527.44	17.715	309.66
527.54	17.713	309.63
527.64	17.711	309.6
527.74	17.708	309.57
527.84	17.706	309.54
527.94	17.703	309.51
528.	17.702	309.49
528.01		
528.02		
528.05	17.701	309.48
528.14	17.699	309.45
528.24	17.696	309.42
528.34	17.694	309.39
528.44	17.692	309.36
528.54	17.689	309.34
528.64	17.687	309.31
528.74	17.685	309.28
528.84	17.683	309.25
528.94	17.68	309.22
529.	17.679	309.2

529.01		
529.02	17.678	309.19
529.05		
529.14	17.676	309.16
529.24	17.673	309.13
529.34	17.671	309.1
529.44	17.669	309.07
529.54	17.667	309.04
529.64	17.664	309.01
529.74	17.662	308.98
529.84	17.66	308.95
529.94	17.657	308.92
530.	17.656	308.9
530.01		
530.02		
530.05	17.655	308.89
530.14	17.653	308.86
530.24	17.651	308.83
530.34	17.649	308.8
530.44	17.646	308.77
530.54	17.644	308.74
530.64	17.642	308.71
530.74	17.64	308.68
530.84	17.637	308.65
530.94	17.635	308.62
531.	17.634	308.6
531.01		
531.02	17.633	
531.05		308.59
531.14	17.631	308.56
531.24	17.629	308.53
531.34	17.626	308.5
531.44	17.624	308.47
531.54	17.622	308.44
531.64	17.62	308.41
531.74	17.618	308.38
531.84	17.616	308.35
531.94	17.613	308.33
532.	17.612	308.31
532.01		308.3
532.02		
532.05	17.611	308.29
532.14	17.609	308.27
532.24	17.607	308.24
532.34	17.605	308.21
532.44	17.603	308.18
532.54	17.601	308.15
532.64	17.598	308.12
532.74	17.596	308.09
532.84	17.594	308.06
532.94	17.592	308.03
533.	17.591	308.01
533.01		
533.02	17.59	
533.05		308.
533.14	17.588	307.97
533.24	17.586	307.94
533.34	17.584	307.91
533.44	17.582	307.88
533.54	17.58	307.85

533.64	17.578	307.82
533.74	17.575	307.8
533.84	17.573	307.77
533.94	17.571	307.74
534.	17.57	307.72
534.01		
534.02		307.71
534.05	17.569	307.7
534.14	17.567	307.68
534.24	17.565	307.65
534.34	17.563	307.62
534.44	17.561	307.59
534.54	17.559	307.56
534.64	17.557	307.53
534.74	17.555	307.5
534.84	17.553	307.47
534.94	17.551	307.44
535.	17.55	307.43
535.01		307.42
535.02	17.549	
535.05		307.41
535.14	17.547	307.39
535.24	17.545	307.36
535.34	17.543	307.33
535.44	17.541	307.3
535.54	17.539	307.27
535.64	17.537	307.24
535.74	17.535	307.21
535.84	17.533	307.18
535.94	17.531	307.15
536.	17.53	307.13
536.01		
536.02		
536.05	17.529	307.12
536.14	17.527	307.09
536.24	17.525	307.06
536.34	17.523	307.03
536.44	17.521	307.01
536.54	17.519	306.98
536.64	17.517	306.95
536.74	17.516	306.92
536.84	17.514	306.89
536.94	17.512	306.86
537.	17.511	306.84
537.01	17.51	
537.02		306.83
537.05		
537.14	17.508	306.8
537.24	17.506	306.77
537.34	17.504	306.74
537.44	17.502	306.71
537.54	17.5	306.68
537.64	17.498	306.65
537.74	17.497	306.62
537.84	17.495	306.59
537.94	17.493	306.56
538.	17.492	306.55
538.01	17.491	306.54
538.02		
538.05		306.53

538.14	17.489	306.51
538.24	17.487	306.48
538.34	17.485	306.45
538.44	17.483	306.42
538.54	17.482	306.39
538.64	17.48	306.36
538.74	17.478	306.33
538.84	17.476	306.3
538.94	17.474	306.27
539.	17.473	306.25
539.01		
539.02		
539.05	17.472	306.24
539.14	17.471	306.21
539.24	17.469	306.18
539.34	17.467	306.15
539.44	17.465	306.12
539.54	17.463	306.09
539.64	17.462	306.06
539.74	17.46	306.03
539.84	17.458	306.01
539.94	17.456	305.98
540.	17.455	305.96
540.01		
540.02		305.95
540.05	17.454	305.94
540.14	17.453	305.92
540.24	17.451	305.89
540.34	17.449	305.86
540.44	17.448	305.83
540.54	17.446	305.8
540.64	17.444	305.77
540.74	17.442	305.74
540.84	17.441	305.71
540.94	17.439	305.68
541.	17.438	305.66
541.01		
541.02	17.437	
541.05		305.65
541.14	17.435	305.62
541.24	17.434	305.59
541.34	17.432	305.56
541.44	17.43	305.53
541.54	17.428	305.51
541.64	17.427	305.48
541.74	17.425	305.45
541.84	17.423	305.42
541.94	17.422	305.39
542.	17.421	305.37
542.01		
542.02	17.42	305.36
542.05		305.35
542.14	17.418	305.33
542.24	17.417	305.3
542.34	17.415	305.27
542.44	17.413	305.24
542.54	17.412	305.21
542.64	17.41	305.18
542.74	17.408	305.15
542.84	17.407	305.12

542.94	17.405	305.09
543.	17.404	305.07
543.01		
543.02		305.06
543.05	17.403	305.05
543.14	17.402	305.03
543.24	17.4	305.
543.34	17.399	304.97
543.44	17.397	304.94
543.54	17.395	304.91
543.64	17.394	304.88
543.74	17.392	304.85
543.84	17.39	304.82
543.94	17.389	304.79
544.	17.388	304.77
544.01		
544.02		304.76
544.05	17.387	
544.14	17.386	304.73
544.24	17.384	304.7
544.34	17.383	304.67
544.44	17.381	304.64
544.54	17.379	304.61
544.64	17.378	304.58
544.74	17.376	304.55
544.84	17.375	304.52
544.94	17.373	304.49
545.	17.372	304.47
545.01		
545.02		304.46
545.05	17.371	
545.14	17.37	304.43
545.24	17.369	304.4
545.34	17.367	304.37
545.44	17.365	304.34
545.54	17.364	304.31
545.64	17.362	304.28
545.74	17.361	304.26
545.84	17.359	304.23
545.94	17.358	304.2
546.	17.357	304.18
546.01		
546.02		304.17
546.05	17.356	304.16
546.14	17.355	304.14
546.24	17.353	304.11
546.34	17.352	304.08
546.44	17.35	304.05
546.54	17.349	304.02
546.64	17.347	303.99
546.74	17.346	303.96
546.84	17.344	303.93
546.94	17.343	303.9
547.	17.342	303.88
547.01		
547.02		
547.05	17.341	303.87
547.14	17.34	303.84
547.24	17.339	303.81
547.34	17.337	303.78

547.44	17.336	303.75
547.54	17.334	303.72
547.64	17.333	303.69
547.74	17.331	303.66
547.84	17.33	303.63
547.94	17.328	303.61
548.		303.59
548.01	17.327	303.58
548.02		
548.05		303.57
548.14	17.326	303.55
548.24	17.324	303.52
548.34	17.323	303.49
548.44	17.321	303.46
548.54	17.32	303.43
548.64	17.319	303.4
548.74	17.317	303.37
548.84	17.316	303.34
548.94	17.314	303.31
549.		303.29
549.01	17.313	
549.02		
549.05		303.28
549.14	17.312	303.25
549.24	17.31	303.22
549.34	17.309	303.19
549.44	17.308	303.16
549.54	17.306	303.13
549.64	17.305	303.1
549.74	17.303	303.07
549.84	17.302	303.04
549.94	17.301	303.01
550.	17.3	303.
550.5	17.293	302.85
551.	17.287	302.7
552.5	17.268	302.25
557.	17.22	300.92
562.	17.176	299.45
567.	17.14	298.01
572.	17.113	296.57
577.	17.094	295.16
582.	17.082	293.75
587.	17.078	292.37
592.	17.081	290.99
597.	17.09	289.64
600.	17.097	288.82
606.	17.121	287.22
612.	17.153	285.64
630.	17.307	281.07
684.	18.044	268.49
738.	18.909	257.03
798.	19.904	245.29
858.	20.864	234.47
918.	21.754	224.48
978.		216.85
1038.		212.03
1098.		206.83
1158.		201.43
1200.		197.61
1212.		196.56

1224.		195.51
1260.		192.21
1296.		188.92
1404.		180.05
1512.		172.63
1632.		165.34
1752.		158.5
1872.		151.89
1992.		145.49
2112.		139.27
2232.	22.25	133.25
2352.		127.51
2400.		125.27
2412.		124.71
2424.		124.15
2460.		122.49
2568.		117.78
2676.		113.29
2796.		108.57
2916.		104.09
3036.		99.837
3156.	22.168	95.809
3276.	22.09	91.994
3396.	22.021	88.394
3516.	21.961	84.989
3600.	21.922	82.696
3612.	21.916	82.369
3624.	21.911	82.044
3660.	21.893	81.084
3768.	21.853	78.356
3876.	21.817	75.76
3996.	21.78	73.028
4116.	21.749	70.441
4236.	21.721	67.991
4356.	21.697	65.679
4476.	21.677	63.488
4596.	21.659	61.41
4716.	21.644	59.44
4800.	21.634	58.112
4812.	21.633	57.923
4824.	21.631	57.736
4860.	21.627	57.18
4968.	21.618	55.596
5076.	21.611	54.089
5196.	21.603	52.508
5316.	21.598	51.008
5436.	21.594	49.585
5556.	21.591	48.233
5676.	21.589	47.618
5796.		47.051
5916.		46.497
6000.	21.588	46.115
6012.		46.061
6024.		46.007
6060.		45.845
6168.	21.59	45.37
6276.	21.592	44.904
6396.	21.595	44.399
6516.	21.598	43.905
6636.	21.602	43.422

6756.	21.606	42.951
6876.	21.61	42.491
6996.	21.615	42.055
7116.	21.62	41.635
7200.	21.623	41.346

FIGURE 14
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature 2

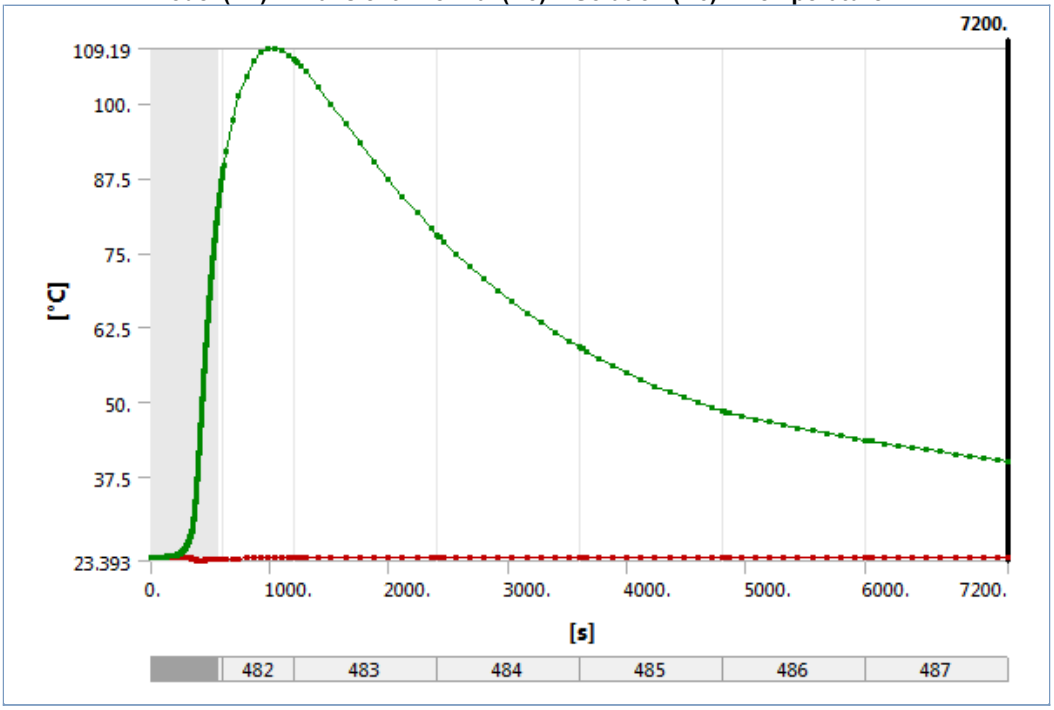

TABLE 25
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature 2

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002		
2.e-002		
5.e-002		
0.14		
0.41		
1.22		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		

4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		23.89
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		

14.04	
14.1	
14.28	
14.42	
14.559	
14.759	
14.959	
15.159	
15.359	
15.559	
15.759	
15.88	
16.	
16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	
17.68	
17.88	
18.	
18.02	
18.04	
18.1	
18.28	
18.48	
18.68	
18.88	
19.08	
19.28	
19.48	
19.68	
19.88	
20.	
20.02	23.891
20.04	
20.1	
20.28	
20.48	
20.68	
20.88	
21.08	
21.28	
21.48	
21.68	
21.88	
22.	
22.02	23.892
22.04	
22.1	
22.28	
22.48	
22.68	
22.88	
23.08	

23.28		
23.48		
23.68		
23.88		
24.		23.893
24.02		
24.04		
24.1		
24.28		
24.48		
24.68		
24.88		
25.08		23.894
25.28		
25.48		
25.68		
25.88		
26.		
26.02		
26.04		
26.1		23.895
26.28		
26.48		
26.68		
26.88		

	23.89	
27.08	23.889	23.896
27.28		
27.48		
27.68		
27.88		
28.		
28.02		
28.04		
28.1		
28.28		23.897
28.48		
28.68		
28.88		
29.08		
29.28		23.898
29.48		
29.68		
29.88		
30.		
30.02		
30.04		
30.1		23.899
30.28		
30.48		
30.68		
30.88		
31.08		23.9
31.28		
31.48		
31.68		
31.88		23.901
32.		
32.02		
32.04		
32.1		
32.28		
32.48		
32.68		23.902
32.88		
33.08		
33.28		
33.48		23.903
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		23.904
34.48		
34.68		
34.88		23.905
35.08		
35.28		
35.48		
35.68		23.906
35.88		
36.		
36.02		

36.04		
36.1		
36.28		
36.48		23.907
36.68		
36.88		
37.08		23.908
37.28		
37.48		
37.68	23.888	
37.88		23.909
38.		
38.02		
38.04		
38.1		
38.28		
38.48		23.91
38.68		
38.88		
39.08		
39.28		23.911
39.48		
39.68		
39.88		23.912
40.		
40.02		
40.04		
40.1		
40.28		
40.48		
40.68		23.913
40.88		
41.08		
41.28		23.914
41.48		
41.68		
41.88		23.915
42.		
42.02		
42.04		
42.1		
42.28		
42.48		23.916
42.68		
42.88		
43.08		23.917
43.28		
43.48		
43.68		23.918
43.88		
44.		
44.02		
44.04		
44.1		
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181.94	
182.	
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182.02	
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182.14	
182.24	

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182.44	
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182.64	
182.74	
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182.94	
183.	
183.01	
183.02	
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183.51	
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183.71	
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183.91	
184.	
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184.02	
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184.14	
184.24	
184.34	
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184.54	
184.64	
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184.84	
184.94	
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185.24	
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185.74	
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185.94	24.29
186.	
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186.05	
186.11	
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186.3	
186.4	
186.5	24.292
186.6	
186.7	
186.8	24.293
186.9	
187.	

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187.05	24.294
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187.54	
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188.	
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188.34	
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188.94	
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190.94	
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192.94	
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193.84	
193.94	24.318
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194.02	
194.05	
194.11	
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194.32	
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194.62	
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195.02	
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195.74	
195.84	
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196.	
196.01	
196.02	

196.05	
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196.34	
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196.94	
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197.34	
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197.74	
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197.94	
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198.02	
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198.54	
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198.74	
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198.94	
199.	
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199.94	24.34
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200.02	
200.05	
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200.54	
200.64	24.343
200.74	

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201.02	
201.05	
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201.58	
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202.	
202.01	
202.02	
202.05	
202.14	
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202.34	
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202.54	
202.64	
202.74	24.351
202.84	
202.94	24.352
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203.02	
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206.09		
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206.85		
206.95		24.368
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207.84		
207.94		24.372
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208.94		
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210.64	
210.74	24.384
210.84	
210.94	
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211.01	
211.02	
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211.26	24.386
211.35	
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211.65	
211.75	24.388
211.85	
211.95	24.389
212.	
212.01	
212.02	
212.05	
212.14	
212.24	24.39
212.34	
212.44	24.391
212.54	
212.64	24.392
212.74	
212.84	
212.94	24.393
213.	
213.01	
213.02	
213.05	
213.14	24.394
213.21	
213.28	
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213.48	
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213.68	
213.78	
213.88	24.397
213.94	
214.	
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214.02	

214.05	
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214.34	
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214.54	24.4
214.64	
214.74	24.401
214.84	
214.94	24.402
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215.02	
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215.22	
215.29	
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215.69	
215.79	24.406
215.89	
215.95	
216.	24.407
216.01	
216.02	
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216.64	24.41
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217.84	
217.94	24.416
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218.64	24.42

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218.94	
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219.74	24.426
219.84	
219.94	24.427
220.	
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221.94	
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222.02	
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222.54	24.442
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222.94	
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223.05	
223.14	24.446

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223.61	
223.71	24.449
223.81	24.45
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224.14	24.452
224.24	
224.34	24.453
224.44	24.454
224.54	
224.64	24.455
224.74	
224.84	24.456
224.94	24.457
225.	
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225.05	
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225.44	24.46
225.54	24.461
225.64	
225.74	24.462
225.84	
225.94	24.463
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226.01	
226.02	
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226.14	
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226.34	24.466
226.44	
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226.64	24.468
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226.84	24.469
226.94	24.47
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227.94	

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232.	
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232.02	
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232.44	24.511

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233.02	
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233.84	24.523
233.94	24.524
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236.74	24.549
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236.94	24.551
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237.54	24.557
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237.94	24.561
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238.74	24.569
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238.94	24.571
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241.05	
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241.24	24.596
241.34	24.597
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241.54	24.599
241.64	24.6
241.74	24.601

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245.64	24.649
245.74	24.65
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246.24	24.657

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246.44	24.66
246.54	24.661
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246.74	24.664
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246.94	24.666
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247.74	24.677
247.84	24.679
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248.74	24.691
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254.54		24.781

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257.94		24.84
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259.		24.86
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260.		24.879
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262.24		24.923
262.34		24.925
262.44		24.928
262.54		24.93
262.64		24.932
262.74		24.934
262.84	23.881	24.936
262.94		24.938
263.		24.939
263.01		
263.02		
263.05		24.94
263.14		24.942
263.24		24.944
263.34		24.946
263.44		24.948
263.54		24.95
263.64		24.952
263.74		24.954
263.84		24.956

263.94		24.958
264.		24.959
264.01		24.96
264.02		
264.05		
264.14		24.962
264.24		24.964
264.34		24.966
264.44		24.968
264.54		24.971
264.64		24.973
264.74		24.975
264.84		24.977
264.94		24.979
265.		24.98
265.01		
265.02		24.981
265.05		
265.14		24.983
265.24	23.88	24.985
265.34		24.987
265.44		24.989
265.54		24.991
265.64		24.994
265.74		24.996
265.84		24.998
265.94		25.
266.		25.001
266.01		
266.02		25.002
266.05		
266.14		25.004
266.24		25.006
266.34		25.008
266.44		25.011
266.54		25.013
266.64		25.015
266.74		25.017
266.84		25.019
266.94		25.021
267.	23.879	25.023
267.01		
267.02		
267.05		25.024
267.14		25.026
267.24		25.028
267.34		25.03
267.44		25.032
267.54		25.034
267.64		25.037
267.74		25.039
267.84		25.041
267.94		25.043
268.		25.044
268.01		25.045
268.02		
268.05		25.046
268.14		25.048
268.24		25.05
268.34		25.052

268.44		25.054
268.54		25.057
268.64		25.059
268.74		25.061
268.84		25.063
268.94	23.878	25.066
269.		
269.01		25.067
269.02		
269.05		25.068
269.14		25.07
269.24		25.073
269.34		25.075
269.44		25.077
269.54		25.079
269.64		25.082
269.74		25.084
269.84		25.086
269.94		25.089
270.	23.877	
270.01		25.09
270.02		
270.05		25.091
270.14		25.093
270.24		25.096
270.34		25.098
270.44		25.1
270.54		25.103
270.64		25.105
270.74		25.108
270.84		25.11
270.94		25.112
271.		
271.01		25.114
271.02		
271.05		25.115
271.14		25.117
271.24		25.119
271.34		25.122
271.44	23.876	25.124
271.54		25.127
271.64		25.129
271.74		25.132
271.84		25.134
271.94		25.136
272.		
272.01		25.138
272.02		
272.05		25.139
272.14		25.141
272.24		25.144
272.34		25.146
272.44		25.149
272.54		25.151
272.64		25.154
272.74	23.875	25.156
272.84		25.159
272.94		25.161
273.		25.162
273.01		25.163

273.02		
273.05		25.164
273.14		25.166
273.24		25.168
273.34		25.171
273.44		25.174
273.54		25.176
273.64	23.874	25.179
273.74		25.181
273.84		25.184
273.94		25.186
274.		25.188
274.01		
274.02		
274.05		25.189
274.14		25.191
274.24		25.194
274.34		25.196
274.44		25.199
274.54		25.202
274.64		25.204
274.74		25.207
274.84		25.209
274.94	23.873	25.212
275.		25.214
275.01		
275.02		
275.05		25.215
275.14		25.217
275.24		25.22
275.34		25.223
275.44		25.225
275.54		25.228
275.64		25.23
275.74		25.233
275.84		25.236
275.94		25.238
276.		25.24
276.01		
276.02		25.241
276.05		
276.14		25.244
276.24		25.246
276.34	23.872	25.249
276.44		25.252
276.54		25.255
276.64		25.257
276.74		25.26
276.84		25.263
276.94		25.265
277.		25.267
277.01		
277.02		25.268
277.05		
277.14		25.271
277.24		25.274
277.34		25.276
277.44		25.279
277.54		25.282
277.64		25.285

277.74		25.287
277.84		25.29
277.94		25.293
278.		25.295
278.01		
278.02		
278.05	23.871	25.296
278.14		25.299
278.24		25.301
278.34		25.304
278.44		25.307
278.54		25.31
278.64		25.313
278.74		25.315
278.84		25.318
278.94		25.321
279.		25.323
279.01		
279.02		
279.05		25.324
279.14		25.327
279.24		25.329
279.34		25.332
279.44	23.87	25.335
279.54		25.338
279.64		25.341
279.74		25.344
279.84		25.346
279.94		25.349
280.		25.351
280.01		
280.02		25.352
280.05		
280.14		25.355
280.24		25.358
280.34		25.361
280.44		25.364
280.54		25.366
280.64		25.369
280.74		25.372
280.84	23.869	25.375
280.94		25.378
281.		25.38
281.01		
281.02		
281.05		25.381
281.14		25.384
281.24		25.387
281.34		25.39
281.44		25.392
281.54		25.395
281.64		25.398
281.74		25.401
281.84		25.404
281.94	23.868	25.407
282.		25.409
282.01		
282.02		25.41
282.05		
282.14		25.413

282.24		25.416
282.34		25.419
282.44		25.422
282.54		25.425
282.64		25.428
282.74	23.867	25.431
282.84		25.434
282.94		25.437
283.		25.439
283.01		
283.02		
283.05		25.44
283.14		25.443
283.24		25.446
283.34		25.449
283.44		25.452
283.54		25.455
283.64		25.458
283.74		25.461
283.84		25.464
283.94		25.467
284.	23.866	25.469
284.01		
284.02		
284.05		25.47
284.14		25.473
284.24		25.476
284.34		25.479
284.44		25.482
284.54		25.485
284.64		25.488
284.74		25.491
284.84		25.494
284.94		25.497
285.		25.499
285.01		25.5
285.02		
285.05		25.501
285.14		25.504
285.24		25.507
285.34	23.865	25.51
285.44		25.513
285.54		25.516
285.64		25.519
285.74		25.522
285.84		25.525
285.94		25.528
286.		25.53
286.01		25.531
286.02		
286.05		25.532
286.14		25.535
286.24		25.538
286.34		25.541
286.44		25.544
286.54		25.547
286.64		25.55
286.74		25.553
286.84		25.557
286.94		25.56

287.	23.864	25.562
287.01		
287.02		
287.05		25.563
287.14		25.566
287.24		25.569
287.34		25.572
287.44		25.576
287.54		25.579
287.64		25.582
287.74		25.585
287.84		25.588
287.94	23.863	25.592
288.		25.593
288.01		25.594
288.02		
288.05		25.595
288.14		25.598
288.24		25.601
288.34		25.604
288.44		25.608
288.54		25.611
288.64		25.614
288.74		25.617
288.84		25.621
288.94		25.624
289.		25.626
289.01		
289.02		
289.05		25.627
289.14		25.63
289.24	23.862	25.634
289.34		25.637
289.44		25.64
289.54		25.643
289.64		25.647
289.74		25.65
289.84		25.653
289.94		25.657
290.		25.659
290.01		
290.02		
290.05		25.66
290.14		25.663
290.24		25.666
290.34		25.67
290.44		25.673
290.54	23.861	25.676
290.64		25.68
290.74		25.683
290.84		25.686
290.94		25.69
291.		25.692
291.01		
291.02		25.693
291.05		25.694
291.14		25.697
291.24		25.7
291.34		25.703
291.44		25.707

291.54		25.71
291.64		25.714
291.74		25.717
291.84	23.86	25.72
291.94		25.724
292.		25.726
292.01		
292.02		25.727
292.05		25.728
292.14		25.731
292.24		25.734
292.34		25.738
292.44		25.741
292.54		25.745
292.64		25.748
292.74		25.752
292.84		25.755
292.94		25.759
293.		25.761
293.01		
293.02		
293.05	23.859	25.763
293.14		25.766
293.24		25.769
293.34		25.773
293.44		25.776
293.54		25.78
293.64		25.784
293.74		25.787
293.84		25.791
293.94		25.794
294.		25.797
294.01		
294.02		
294.05		25.798
294.14		25.802
294.24	23.858	25.805
294.34		25.809
294.44		25.813
294.54		25.816
294.64		25.82
294.74		25.824
294.84		25.827
294.94		25.831
295.		25.833
295.01		25.834
295.02		
295.05		25.835
295.14		25.838
295.24		25.842
295.34		25.846
295.44	23.857	25.85
295.54		25.853
295.64		25.857
295.74		25.861
295.84		25.865
295.94		25.869
296.		25.871
296.01		
296.02		25.872

296.05		25.873
296.14		25.876
296.24		25.88
296.34		25.884
296.44		25.888
296.54	23.856	25.891
296.64		25.895
296.74		25.899
296.84		25.903
296.94		25.907
297.		25.909
297.01		25.91
297.02		
297.05		25.911
297.14		25.915
297.24		25.918
297.34		25.922
297.44		25.926
297.54	23.855	25.93
297.64		25.934
297.74		25.938
297.84		25.942
297.94		25.946
298.		25.948
298.01		25.949
298.02		
298.05		25.95
298.14		25.954
298.24		25.958
298.34		25.962
298.44		25.966
298.54		25.969
298.64	23.854	25.973
298.74		25.977
298.84		25.981
298.94		25.985
299.		25.988
299.01		
299.02		25.989
299.05		25.99
299.14		25.993
299.24		25.997
299.34		26.002
299.44		26.006
299.54		26.01
299.64	23.853	26.014
299.74		26.018
299.84		26.022
299.94		26.026
300.		26.028
300.01		26.029
300.02		
300.05		26.03
300.14		26.034
300.24		26.038
300.34		26.042
300.44		26.046
300.54		26.05
300.64		26.054
300.74		26.059

300.84		26.063
300.94		26.067
301.		26.069
301.01		26.07
301.02		
301.05	23.852	26.071
301.14		26.075
301.24		26.079
301.34		26.083
301.44		26.088
301.54		26.092
301.64		26.096
301.74		26.1
301.84		26.104
301.94		26.108
302.		26.111
302.01		
302.02		26.112
302.05	23.851	26.113
302.14		26.117
302.24		26.121
302.34		26.125
302.44		26.129
302.54		26.134
302.64		26.138
302.74		26.142
302.84		26.146
302.94		26.151
303.		26.153
303.01		26.154
303.02		
303.05		26.155
303.14	23.85	26.159
303.24		26.163
303.34		26.168
303.44		26.172
303.54		26.176
303.64		26.181
303.74		26.185
303.84		26.189
303.94		26.193
304.		26.196
304.01		
304.02		26.197
304.05		26.198
304.14	23.849	26.202
304.24		26.206
304.34		26.211
304.44		26.215
304.54		26.22
304.64		26.224
304.74		26.228
304.84		26.233
304.94		26.237
305.		26.24
305.01		
305.02	23.848	26.241
305.05		26.242
305.14		26.246
305.24		26.25

305.34		26.255
305.44		26.259
305.54		26.264
305.64		26.268
305.74		26.272
305.84	23.847	26.277
305.94		26.281
306.		26.284
306.01		
306.02		26.285
306.05		26.286
306.14		26.29
306.24		26.295
306.34		26.299
306.44		26.304
306.54		26.308
306.64		26.313
306.74		26.317
306.84		26.322
306.94	23.846	26.326
307.		26.329
307.01		
307.02		26.33
307.05		26.331
307.14		26.335
307.24		26.34
307.34		26.344
307.44		26.349
307.54		26.353
307.64		26.358
307.74		26.362
307.84		26.367
307.94	23.845	26.372
308.		26.374
308.01		26.375
308.02		
308.05		26.377
308.14		26.381
308.24		26.385
308.34		26.39
308.44		26.394
308.54		26.399
308.64		26.404
308.74		26.408
308.84		26.413
308.94		26.417
309.	23.844	26.42
309.01		26.421
309.02		
309.05		26.422
309.14		26.427
309.24		26.431
309.34		26.436
309.44		26.44
309.54		26.445
309.64		26.45
309.74		26.454
309.84		26.459
309.94		26.464
310.		26.466

310.01		26.467
310.02		
310.05	23.843	26.469
310.14		26.473
310.24		26.478
310.34		26.482
310.44		26.487
310.54		26.492
310.64		26.496
310.74		26.501
310.84		26.506
310.94		26.51
311.		26.513
311.01		26.514
311.02		
311.05		26.516
311.14	23.842	26.52
311.24		26.525
311.34		26.529
311.44		26.534
311.54		26.539
311.64		26.544
311.74		26.548
311.84		26.553
311.94		26.558
312.		26.561
312.01		
312.02		26.562
312.05		26.563
312.14		26.567
312.24		26.572
312.34	23.841	26.577
312.44		26.582
312.54		26.586
312.64		26.591
312.74		26.596
312.84		26.601
312.94		26.605
313.		26.608
313.01		26.609
313.02		
313.05		26.611
313.14		26.615
313.24		26.62
313.34		26.624
313.44		26.629
313.54	23.84	26.634
313.64		26.639
313.74		26.643
313.84		26.648
313.94		26.653
314.		26.656
314.01		
314.02		26.657
314.05		26.658
314.14		26.662
314.24		26.667
314.34		26.672
314.44		26.677
314.54		26.682

314.64		26.686
314.74		26.691
314.84		26.696
314.94		26.701
315.		26.704
315.01		
315.02		26.705
315.05		26.706
315.14		26.711
315.24		26.715
315.34		26.72
315.44	23.839	26.725
315.54		26.73
315.64		26.735
315.74		26.74
315.84		26.744
315.94		26.749
316.		26.752
316.01		26.753
316.02		
316.05		26.755
316.14		26.759
316.24		26.764
316.34		26.769
316.44		26.774
316.54		26.779
316.64		26.783
316.74		26.788
316.84		26.793
316.94	23.838	26.798
317.		26.801
317.01		
317.02		26.802
317.05		26.803
317.14		26.808
317.24		26.813
317.34		26.818
317.44		26.823
317.54		26.827
317.64		26.832
317.74		26.837
317.84		26.842
317.94		26.847
318.		26.85
318.01		
318.02		26.851
318.05	23.837	26.852
318.14		26.857
318.24		26.862
318.34		26.867
318.44		26.872
318.54		26.877
318.64		26.881
318.74		26.886
318.84		26.891
318.94		26.896
319.		26.899
319.01		26.9
319.02		
319.05		26.902

319.14		26.906
319.24		26.911
319.34		26.916
319.44		26.921
319.54		26.926
319.64		26.931
319.74		26.936
319.84		26.941
319.94	23.836	26.946
320.		26.949
320.01		
320.02		26.95
320.05		26.951
320.14		26.956
320.24		26.961
320.34		26.966
320.44		26.971
320.54		26.976
320.64		26.981
320.74		26.986
320.84		26.991
320.94		26.996
321.		26.999
321.01		27.
321.02		
321.05		27.002
321.14		27.006
321.24		27.011
321.34		27.016
321.44	23.835	27.022
321.54		27.027
321.64		27.032
321.74		27.037
321.84		27.042
321.94		27.047
322.		27.05
322.01		
322.02		27.051
322.05		27.053
322.14		27.057
322.24		27.062
322.34		27.067
322.44		27.072
322.54		27.078
322.64		27.083
322.74		27.088
322.84		27.093
322.94		27.098
323.		27.101
323.01		27.102
323.02	23.834	
323.05		27.104
323.14		27.108
323.24		27.113
323.34		27.118
323.44		27.124
323.54		27.129
323.64		27.134
323.74		27.139
323.84		27.144

323.94		27.149
324.		27.152
324.01		27.153
324.02		
324.05		27.155
324.14		27.159
324.24		27.165
324.34		27.17
324.44		27.175
324.54		27.18
324.64		27.185
324.74		27.19
324.84		27.195
324.94		27.201
325.		27.204
325.01		
325.02		27.205
325.05		27.206
325.14		27.211
325.24	23.833	27.216
325.34		27.221
325.44		27.226
325.54		27.232
325.64		27.237
325.74		27.242
325.84		27.247
325.94		27.252
326.		27.255
326.01		27.256
326.02		27.257
326.05		27.258
326.14		27.263
326.24		27.268
326.34		27.273
326.44		27.278
326.54		27.284
326.64		27.289
326.74		27.294
326.84		27.299
326.94		27.304
327.		27.307
327.01		27.308
327.02		
327.05		27.31
327.14		27.315
327.24		27.32
327.34		27.325
327.44	23.832	27.33
327.54		27.336
327.64		27.341
327.74		27.346
327.84		27.351
327.94		27.357
328.		27.36
328.01		
328.02		27.361
328.05		27.362
328.14		27.367
328.24		27.372
328.34		27.378

328.44		27.383
328.54		27.388
328.64		27.393
328.74		27.399
328.84		27.404
328.94		27.409
329.		27.412
329.01		27.413
329.02		27.414
329.05		27.415
329.14		27.42
329.24		27.425
329.34		27.431
329.44		27.436
329.54		27.441
329.64		27.447
329.74		27.452
329.84		27.457
329.94		27.463
330.		27.466
330.01		
330.02		27.467
330.05		27.469
330.14		27.473
330.24		27.479
330.34		27.484
330.44		27.49
330.54	23.831	27.495
330.64		27.5
330.74		27.506
330.84		27.511
330.94		27.517
331.		27.52
331.01		
331.02		27.521
331.05		27.523
331.14		27.528
331.24		27.533
331.34		27.539
331.44		27.544
331.54		27.55
331.64		27.555
331.74		27.561
331.84		27.566
331.94		27.572
332.		27.575
332.01		27.576
332.02		
332.05		27.578
332.14		27.583
332.24		27.589
332.34		27.594
332.44	23.83	27.6
332.54		27.606
332.64		27.612
332.74		27.617
332.84		27.623
332.94		27.629
333.		27.632
333.01		27.633

333.02		27.634
333.05		27.635
333.14		27.641
333.24		27.646
333.34		27.652
333.44		27.658
333.54		27.664
333.64		27.67
333.74		27.676
333.84		27.682
333.94		27.688
334.		27.691
334.01		27.692
334.02		
334.05		27.694
334.14		27.7
334.24		27.706
334.34		27.712
334.44		27.718
334.54	23.829	27.724
334.64		27.73
334.74		27.736
334.84		27.742
334.94		27.748
335.		27.752
335.01		27.753
335.02		
335.05		27.755
335.14		27.761
335.24		27.767
335.34		27.773
335.44		27.779
335.54		27.786
335.64		27.792
335.74		27.798
335.84		27.805
335.94		27.811
336.	23.828	27.815
336.01		27.816
336.02		
336.05		27.818
336.14		27.824
336.24		27.83
336.34		27.837
336.44		27.843
336.54		27.85
336.64		27.856
336.74		27.863
336.84		27.87
336.94		27.876
337.	23.827	27.88
337.01		27.881
337.02		27.882
337.05		27.884
337.14		27.89
337.24		27.896
337.34		27.903
337.44		27.91
337.54		27.917
337.64		27.924

337.74	23.826	27.931
337.84		27.937
337.94		27.944
338.		27.949
338.01		
338.02		27.95
338.05		27.952
338.14		27.958
338.24		27.965
338.34	23.825	27.972
338.44		27.979
338.54		27.987
338.64		27.994
338.74		28.001
338.84		28.008
338.94		28.015
339.		28.02
339.01		
339.02		28.021
339.05	23.824	28.023
339.14		28.03
339.24		28.037
339.34		28.045
339.44		28.052
339.54		28.06
339.64		28.067
339.74	23.823	28.075
339.84		28.082
339.94		28.09
340.		28.094
340.01		28.095
340.02		28.096
340.05		28.098
340.14		28.105
340.24		28.113
340.34	23.822	28.12
340.44		28.128
340.54		28.136
340.64		28.144
340.74		28.151
340.84		28.159
340.94	23.821	28.167
341.		28.172
341.01		28.173
341.02		
341.05		28.176
341.14		28.183
341.24		28.191
341.34		28.199
341.44	23.82	28.207
341.54		28.215
341.64		28.223
341.74		28.231
341.84		28.239
341.94		28.247
342.	23.819	28.252
342.01		28.253
342.02		28.254
342.05		28.257
342.14		28.264

342.24		28.272
342.34		28.281
342.44		28.289
342.54	23.818	28.297
342.64		28.306
342.74		28.314
342.84		28.323
342.94	23.817	28.331
343.		28.336
343.01		28.337
343.02		28.338
343.05		28.341
343.14		28.348
343.24		28.357
343.34		28.366
343.44	23.816	28.374
343.54		28.383
343.64		28.392
343.74		28.401
343.84	23.815	28.41
343.94		28.419
344.		28.424
344.01		28.425
344.02		28.426
344.05		28.429
344.14		28.437
344.24	23.814	28.446
344.34		28.455
344.44		28.464
344.54		28.474
344.64	23.813	28.483
344.74		28.492
344.84		28.502
344.94	23.812	28.511
345.		28.517
345.01		28.518
345.02		28.519
345.05		28.522
345.14		28.53
345.24		28.54
345.34	23.811	28.549
345.44		28.559
345.54		28.569
345.64	23.81	28.579
345.74		28.589
345.84		28.598
345.94		28.608
346.	23.809	28.614
346.01		28.615
346.02		28.616
346.05		28.619
346.14		28.628
346.24		28.639
346.34	23.808	28.649
346.44		28.659
346.54		28.669
346.64	23.807	28.68
346.74		28.69
346.84		28.7
346.94		28.711

347.	23.806	28.717
347.01		28.718
347.02		28.719
347.05		28.722
347.14	23.805	28.732
347.24		28.743
347.34		28.753
347.44	23.804	28.764
347.54		28.775
347.64		28.786
347.74	23.803	28.797
347.84		28.808
347.94		28.819
348.	23.802	28.825
348.01		28.826
348.02		28.827
348.05		28.831
348.14		28.841
348.24	23.801	28.852
348.34		28.863
348.44		28.874
348.54	23.8	28.886
348.64		28.897
348.74	23.799	28.909
348.84		28.92
348.94		28.932
349.	23.798	28.938
349.01		28.94
349.02		28.941
349.05		28.944
349.14		28.955
349.24	23.797	28.966
349.34		28.978
349.44	23.796	28.99
349.54		29.002
349.64		29.014
349.74	23.795	29.026
349.84		29.038
349.94	23.794	29.05
350.		29.057
350.01		29.058
350.02		29.059
350.05		29.063
350.14	23.793	29.074
350.24		29.086
350.34		29.098
350.44	23.792	29.111
350.54		29.123
350.64	23.791	29.136
350.74		29.148
350.84	23.79	29.161
350.94		29.173
351.	23.789	29.181
351.01		29.182
351.02		29.184
351.05		29.187
351.14		29.199
351.24	23.788	29.212
351.34		29.224
351.44	23.787	29.237

351.54		29.25
351.64	23.786	29.263
351.74		29.276
351.84	23.785	29.29
351.94		29.303
352.	23.784	29.311
352.01		29.312
352.02		29.313
352.05		29.317
352.14		29.329
352.24	23.783	29.343
352.34		29.356
352.44	23.782	29.37
352.54		29.383
352.64	23.781	29.397
352.74	23.78	29.41
352.84		29.424
352.94	23.779	29.438
353.		29.446
353.01		29.448
353.02		29.449
353.05		29.453
353.14	23.778	29.466
353.24		29.48
353.34	23.777	29.494
353.44		29.508
353.54	23.776	29.522
353.64		29.536
353.74	23.775	29.55
353.84	23.774	29.564
353.94		29.579
354.	23.773	29.587
354.01		29.589
354.02		29.59
354.05		29.595
354.14		29.608
354.24	23.772	29.622
354.34	23.771	29.637
354.44		29.651
354.54	23.77	29.666
354.64		29.681
354.74	23.769	29.696
354.84	23.768	29.71
354.94		29.725
355.	23.767	29.734
355.01		29.736
355.02		29.737
355.05		29.742
355.14		29.755
355.24	23.766	29.77
355.34	23.765	29.786
355.44		29.801
355.54	23.764	29.816
355.64	23.763	29.831
355.74		29.847
355.84	23.762	29.862
355.94		29.878
356.	23.761	29.887
356.01		29.888
356.02		29.89

356.05		29.895
356.14	23.76	29.909
356.24		29.924
356.34	23.759	29.94
356.44	23.758	29.956
356.54		29.972
356.64	23.757	29.987
356.74	23.756	30.003
356.84		30.019
356.94	23.755	30.035
357.		30.045
357.01		30.046
357.02		30.048
357.05	23.754	30.053
357.14		30.067
357.24	23.753	30.084
357.34	23.752	30.1
357.44		30.116
357.54	23.751	30.132
357.64	23.75	30.149
357.74		30.165
357.84	23.749	30.182
357.94	23.748	30.198
358.		30.208
358.01		30.21
358.02		30.212
358.05	23.747	30.217
358.14		30.232
358.24	23.746	30.249
358.34	23.745	30.265
358.44		30.282
358.54	23.744	30.299
358.64	23.743	30.316
358.74		30.333
358.84	23.742	30.35
358.94	23.741	30.368
359.		30.378
359.01		30.38
359.02		30.381
359.05	23.74	30.387
359.14		30.402
359.24	23.739	30.42
359.34	23.738	30.437
359.44	23.737	30.455
359.54		30.472
359.64	23.736	30.49
359.74	23.735	30.508
359.84	23.734	30.525
359.94		30.543
360.	23.733	30.554
360.01		30.556
360.02		30.558
360.05		30.563
360.14	23.732	30.579
360.24	23.731	30.597
360.34		30.615
360.44	23.73	30.634
360.54	23.729	30.652
360.64	23.728	30.67
360.74		30.689

360.84	23.727	30.707
360.94	23.726	30.726
361.	23.725	30.737
361.01		30.739
361.02		30.741
361.05		30.746
361.14	23.724	30.763
361.24		30.782
361.34	23.723	30.801
361.44	23.722	30.82
361.54	23.721	30.839
361.64	23.72	30.858
361.74	23.719	30.877
361.84		30.896
361.94	23.718	30.915
362.	23.717	30.927
362.01		30.929
362.02		30.931
362.05		30.937
362.14	23.716	30.954
362.24	23.715	30.973
362.34	23.714	30.993
362.44		31.012
362.54	23.713	31.032
362.64	23.712	31.052
362.74	23.711	31.071
362.84	23.71	31.091
362.94	23.709	31.111
363.		31.123
363.01		31.125
363.02		31.127
363.05	23.708	31.133
363.14		31.15
363.24	23.707	31.17
363.34	23.706	31.19
363.44	23.705	31.211
363.54	23.704	31.231
363.64	23.703	31.251
363.74		31.271
363.84	23.702	31.291
363.94	23.701	31.312
364.	23.7	31.324
364.01		31.326
364.02		31.328
364.05		31.334
364.14	23.699	31.352
364.24	23.698	31.373
364.34	23.697	31.393
364.44	23.696	31.414
364.54		31.434
364.64	23.695	31.455
364.74	23.694	31.476
364.84	23.693	31.497
364.94	23.692	31.517
365.		31.53
365.01	23.691	31.532
365.02		31.534
365.05		31.54
365.14	23.69	31.559
365.24	23.689	31.58

365.34		31.601
365.44	23.688	31.622
365.54	23.687	31.643
365.64	23.686	31.665
365.74	23.685	31.686
365.84	23.684	31.707
365.94	23.683	31.728
366.		31.741
366.01		31.743
366.02	23.682	31.745
366.05		31.752
366.14	23.681	31.771
366.24	23.68	31.793
366.34		31.814
366.44	23.679	31.836
366.54	23.678	31.857
366.64	23.677	31.879
366.74	23.676	31.901
366.84	23.675	31.922
366.94	23.674	31.944
367.		31.957
367.01		31.96
367.02	23.673	31.962
367.05		31.968
367.14	23.672	31.988
367.24	23.671	32.01
367.34		32.032
367.44	23.67	32.054
367.54	23.669	32.076
367.64	23.668	32.098
367.74	23.667	32.12
367.84	23.666	32.142
367.94	23.665	32.165
368.	23.664	32.178
368.01		32.18
368.02		32.182
368.05		32.189
368.14	23.663	32.209
368.24	23.662	32.232
368.34	23.661	32.254
368.44	23.66	32.276
368.54		32.299
368.64	23.659	32.322
368.74	23.658	32.344
368.84	23.657	32.367
368.94	23.656	32.389
369.	23.655	32.403
369.01		32.405
369.02		32.408
369.05		32.414
369.14	23.654	32.435
369.24	23.653	32.458
369.34	23.652	32.48
369.44	23.651	32.503
369.54	23.65	32.526
369.64	23.649	32.549
369.74	23.648	32.572
369.84		32.595
369.94	23.647	32.618
370.		32.632

370.01	23.646	32.634
370.02		32.637
370.05		32.644
370.14	23.645	32.664
370.24	23.644	32.688
370.34	23.643	32.711
370.44	23.642	32.734
370.54	23.641	32.757
370.64	23.64	32.781
370.74	23.639	32.804
370.84	23.638	32.827
370.94	23.637	32.851
371.		32.865
371.01		32.867
371.02		32.869
371.05	23.636	32.877
371.14		32.898
371.24	23.635	32.921
371.34	23.634	32.945
371.44	23.633	32.968
371.54	23.632	32.992
371.64	23.631	33.016
371.74	23.63	33.039
371.84	23.629	33.063
371.94	23.628	33.087
372.		33.101
372.01		33.103
372.02		33.106
372.05	23.627	33.113
372.14	23.626	33.134
372.24		33.158
372.34	23.625	33.182
372.44	23.624	33.206
372.54	23.623	33.23
372.64	23.622	33.254
372.74	23.621	33.278
372.84	23.62	33.302
372.94	23.619	33.326
373.		33.341
373.01		33.343
373.02	23.618	33.345
373.05		33.353
373.14	23.617	33.374
373.24	23.616	33.399
373.34		33.423
373.44	23.615	33.447
373.54	23.614	33.471
373.64	23.613	33.496
373.74	23.612	33.52
373.84	23.611	33.545
373.94	23.61	33.569
374.		33.584
374.01	23.609	33.586
374.02		33.589
374.05		33.596
374.14	23.608	33.618
374.24	23.607	33.642
374.34		33.667
374.44	23.606	33.692
374.54	23.605	33.716

374.64	23.604	33.741
374.74	23.603	33.765
374.84	23.602	33.79
374.94	23.601	33.815
375.		33.83
375.01		33.832
375.02	23.6	33.835
375.05		33.842
375.14	23.599	33.864
375.24	23.598	33.889
375.34		33.914
375.44	23.597	33.939
375.54	23.596	33.964
375.64	23.595	33.989
375.74	23.594	34.014
375.84	23.593	34.039
375.94	23.592	34.064
376.		34.079
376.01		34.081
376.02		34.084
376.05	23.591	34.091
376.14		34.114
376.24	23.59	34.139
376.34	23.589	34.164
376.44	23.588	34.189
376.54	23.587	34.214
376.64	23.586	34.239
376.74	23.585	34.264
376.84	23.584	34.29
376.94		34.315
377.	23.583	34.33
377.01		34.333
377.02		34.335
377.05		34.343
377.14	23.582	34.365
377.24	23.581	34.391
377.34	23.58	34.416
377.44	23.579	34.442
377.54	23.578	34.467
377.64		34.492
377.74	23.577	34.518
377.84	23.576	34.544
377.94	23.575	34.569
378.	23.574	34.584
378.01		34.587
378.02		34.59
378.05		34.597
378.14	23.573	34.62
378.24	23.572	34.646
378.34		34.672
378.44	23.571	34.698
378.54	23.57	34.723
378.64	23.569	34.749
378.74	23.568	34.775
378.84	23.567	34.801
378.94	23.566	34.827
379.		34.842
379.01		34.845
379.02		34.848
379.05	23.565	34.855

379.14		34.879
379.24	23.564	34.905
379.34	23.563	34.931
379.44	23.562	34.957
379.54	23.561	34.983
379.64	23.56	35.009
379.74		35.035
379.84	23.559	35.061
379.94	23.558	35.088
380.	23.557	35.103
380.01		35.106
380.02		35.109
380.05		35.117
380.14	23.556	35.14
380.24	23.555	35.166
380.34		35.193
380.44	23.554	35.219
380.54	23.553	35.246
380.64	23.552	35.272
380.74	23.551	35.299
380.84	23.55	35.325
380.94		35.352
381.	23.549	35.367
381.01		35.37
381.02		35.373
381.05		35.381
381.14	23.548	35.405
381.24	23.547	35.431
381.34	23.546	35.458
381.44	23.545	35.485
381.54		35.511
381.64	23.544	35.538
381.74	23.543	35.565
381.84	23.542	35.592
381.94	23.541	35.618
382.		35.634
382.01		35.637
382.02		35.64
382.05	23.54	35.648
382.14		35.672
382.24	23.539	35.699
382.34	23.538	35.726
382.44	23.537	35.753
382.54	23.536	35.78
382.64		35.807
382.74	23.535	35.833
382.84	23.534	35.86
382.94	23.533	35.887
383.		35.904
383.01		35.906
383.02		35.909
383.05	23.532	35.917
383.14		35.942
383.24	23.531	35.969
383.34	23.53	35.996
383.44	23.529	36.023
383.54		36.05
383.64	23.528	36.077
383.74	23.527	36.104
383.84	23.526	36.132

383.94	23.525	36.159
384.		36.175
384.01		36.178
384.02		36.181
384.05		36.189
384.14	23.524	36.213
384.24	23.523	36.241
384.34	23.522	36.268
384.44		36.295
384.54	23.521	36.323
384.64	23.52	36.35
384.74	23.519	36.377
384.84		36.405
384.94	23.518	36.432
385.	23.517	36.449
385.01		36.451
385.02		36.454
385.05		36.462
385.14	23.516	36.487
385.24	23.515	36.515
385.34		36.542
385.44	23.514	36.57
385.54	23.513	36.597
385.64	23.512	36.625
385.74		36.652
385.84	23.511	36.68
385.94	23.51	36.708
386.		36.724
386.01		36.727
386.02		36.73
386.05	23.509	36.738
386.14		36.763
386.24	23.508	36.791
386.34	23.507	36.818
386.44		36.846
386.54	23.506	36.874
386.64	23.505	36.902
386.74	23.504	36.929
386.84		36.957
386.94	23.503	36.985
387.		37.002
387.01	23.502	37.005
387.02		37.007
387.05		37.016
387.14		37.041
387.24	23.501	37.069
387.34	23.5	37.097
387.44	23.499	37.125
387.54		37.153
387.64	23.498	37.181
387.74	23.497	37.209
387.84		37.237
387.94	23.496	37.265
388.	23.495	37.281
388.01		37.284
388.02		37.287
388.05		37.295
388.14		37.321
388.24	23.494	37.349
388.34	23.493	37.377

388.44	23.492	37.405
388.54		37.433
388.64	23.491	37.461
388.74	23.49	37.49
388.84		37.518
388.94	23.489	37.546
389.		37.563
389.01		37.566
389.02		37.569
389.05	23.488	37.577
389.14		37.602
389.24	23.487	37.631
389.34	23.486	37.659
389.44		37.687
389.54	23.485	37.716
389.64	23.484	37.744
389.74		37.772
389.84	23.483	37.801
389.94	23.482	37.829
390.		37.846
390.01		37.849
390.02		37.852
390.05		37.86
390.14	23.481	37.886
390.24	23.48	37.914
390.34		37.943
390.44	23.479	37.971
390.54		38.
390.64	23.478	38.028
390.74	23.477	38.057
390.84		38.085
390.94	23.476	38.114
391.		38.131
391.01		38.134
391.02		38.137
391.05	23.475	38.145
391.14		38.171
391.24	23.474	38.2
391.34	23.473	38.228
391.44		38.257
391.54	23.472	38.286
391.64		38.314
391.74	23.471	38.343
391.84	23.47	38.372
391.94		38.4
392.	23.469	38.418
392.01		38.42
392.02		38.423
392.05		38.432
392.14		38.458
392.24	23.468	38.487
392.34	23.467	38.516
392.44		38.544
392.54	23.466	38.573
392.64		38.602
392.74	23.465	38.631
392.84	23.464	38.66
392.94		38.689
393.		38.706
393.01		38.709

393.02	23.463	38.712
393.05		38.721
393.14		38.747
393.24	23.462	38.776
393.34	23.461	38.805
393.44		38.834
393.54	23.46	38.863
393.64		38.892
393.74	23.459	38.921
393.84		38.95
393.94	23.458	38.979
394.		38.997
394.01		39.
394.02		39.003
394.05	23.457	39.012
394.14		39.038
394.24	23.456	39.067
394.34		39.096
394.44	23.455	39.126
394.54		39.155
394.64	23.454	39.185
394.74	23.453	39.214
394.84		39.243
394.94	23.452	39.273
395.		39.29
395.01		39.293
395.02		39.296
395.05		39.305
395.14	23.451	39.332
395.24		39.361
395.34	23.45	39.391
395.44		39.42
395.54	23.449	39.45
395.64	23.448	39.479
395.74		39.509
395.84	23.447	39.539
395.94		39.568
396.		39.586
396.01	23.446	39.589
396.02		39.592
396.05		39.601
396.14		39.627
396.24	23.445	39.657
396.34		39.687
396.44	23.444	39.716
396.54		39.746
396.64	23.443	39.776
396.74		39.805
396.84	23.442	39.835
396.94		39.865
397.	23.441	39.882
397.01		39.885
397.02		39.888
397.05		39.897
397.14		39.924
397.24	23.44	39.954
397.34		39.984
397.44	23.439	40.013
397.54		40.043
397.64	23.438	40.073

397.74		40.103
397.84	23.437	40.133
397.94		40.163
398.	23.436	40.181
398.01		40.184
398.02		40.187
398.05		40.196
398.14		40.223
398.24	23.435	40.253
398.34		40.283
398.44	23.434	40.313
398.54		40.343
398.64	23.433	40.373
398.74		40.404
398.84	23.432	40.434
398.94		40.464
399.	23.431	40.482
399.01		40.485
399.02		40.488
399.05		40.497
399.14		40.524
399.24	23.43	40.555
399.34		40.585
399.44	23.429	40.615
399.54		40.645
399.64	23.428	40.676
399.74		40.706
399.84		40.736
399.94	23.427	40.766
400.		40.785
400.01		40.788
400.02		40.791
400.05		40.8
400.14	23.426	40.827
400.24		40.857
400.34	23.425	40.888
400.44		40.918
400.54	23.424	40.948
400.64		40.979
400.74		41.009
400.84	23.423	41.04
400.94		41.07
401.	23.422	41.088
401.01		41.091
401.02		41.094
401.05		41.103
401.14		41.131
401.24	23.421	41.161
401.34		41.192
401.44		41.222
401.54	23.42	41.253
401.64		41.283
401.74	23.419	41.314
401.84		41.344
401.94		41.375
402.	23.418	41.393
402.01		41.396
402.02		41.399
402.05		41.408
402.14		41.436

402.24	23.417	41.466
402.34		41.497
402.44		41.527
402.54	23.416	41.558
402.64		41.588
402.74		41.619
402.84	23.415	41.649
402.94		41.68
403.		41.698
403.01		41.701
403.02	23.414	41.704
403.05		41.714
403.14		41.741
403.24		41.772
403.34	23.413	41.802
403.44		41.833
403.54		41.864
403.64	23.412	41.894
403.74		41.925
403.84		41.955
403.94	23.411	41.986
404.		42.004
404.01		42.007
404.02		42.01
404.05		42.02
404.14		42.047
404.24	23.41	42.078
404.34		42.108
404.44		42.139
404.54	23.409	42.17
404.64		42.2
404.74		42.231
404.84	23.408	42.262
404.94		42.292
405.		42.311
405.01		42.314
405.02		42.317
405.05		42.326
405.14	23.407	42.353
405.24		42.384
405.34		42.415
405.44		42.445
405.54	23.406	42.476
405.64		42.507
405.74		42.537
405.84	23.405	42.568
405.94		42.599
406.		42.617
406.01		42.62
406.02		42.623
406.05		42.632
406.14		42.66
406.24	23.404	42.691
406.34		42.721
406.44		42.752
406.54		42.783
406.64	23.403	42.813
406.74		42.844
406.84		42.875
406.94		42.905

407.	23.402	42.924
407.01		42.927
407.02		42.93
407.05		42.939
407.14		42.967
407.24		42.997
407.34		43.028
407.44	23.401	43.059
407.54		43.09
407.64		43.12
407.74		43.151
407.84		43.182
407.94	23.4	43.212
408.		43.231
408.01		43.234
408.02		43.237
408.05		43.246
408.14		43.274
408.24		43.304
408.34		43.335
408.44	23.399	43.366
408.54		43.397
408.64		43.427
408.74		43.458
408.84		43.489
408.94	23.398	43.519
409.		43.538
409.01		43.541
409.02		43.544
409.05		43.553
409.14		43.581
409.24		43.612
409.34		43.642
409.44		43.673
409.54		43.704
409.64	23.397	43.734
409.74		43.765
409.84		43.796
409.94		43.827
410.		43.845
410.01		43.848
410.02		43.851
410.05		43.86
410.14		43.888
410.24		43.919
410.34	23.396	43.949
410.44		43.98
410.54		44.011
410.64		44.042
410.74		44.072
410.84		44.103
410.94		44.134
411.		44.152
411.01		44.156
411.02		44.159
411.05		44.168
411.14		44.196
411.24		44.226
411.34		44.257
411.44		44.288

411.54		44.319
411.64		44.35
411.74		44.38
411.84		44.411
411.94	23.395	44.442
412.		44.461
412.01		44.464
412.02		44.467
412.05		44.476
412.14		44.504
412.24		44.534
412.34		44.565
412.44		44.596
412.54		44.627
412.64		44.658
412.74		44.689
412.84		44.719
412.94		44.75
413.		44.769
413.01		44.772
413.02		44.775
413.05		44.784
413.14		44.812
413.24		44.843
413.34	23.394	44.874
413.44		44.905
413.54		44.935
413.64		44.966
413.74		44.997
413.84		45.028
413.94		45.059
414.		45.077
414.01		45.08
414.02		45.084
414.05		45.093
414.14		45.121
414.24		45.151
414.34		45.182
414.44		45.213
414.54		45.244
414.64		45.275
414.74	23.393	45.306
414.84		45.337
414.94		45.368
415.		45.386
415.01		45.389
415.02		45.392
415.05		45.402
415.14		45.429
415.24		45.46
415.34		45.491
415.44		45.522
415.54		45.553
415.64		45.584
415.74		45.615
415.84		45.646
415.94		45.677
416.		45.696
416.01		45.699
416.02		45.702

416.05		45.711
416.14		45.739
416.24		45.77
416.34		45.801
416.44		45.832
416.54		45.863
416.64		45.894
416.74		45.926
416.84		45.957
416.94		45.988
417.	23.394	46.006
417.01		46.01
417.02		46.013
417.05		46.022
417.14		46.05
417.24		46.081
417.34		46.112
417.44		46.143
417.54		46.175
417.64		46.206
417.74		46.237
417.84		46.268
417.94		46.299
418.		46.318
418.01		46.321
418.02		46.324
418.05		46.333
418.14		46.362
418.24	23.395	46.393
418.34		46.424
418.44		46.455
418.54		46.486
418.64		46.517
418.74		46.548
418.84		46.58
418.94		46.611
419.		46.63
419.01		46.633
419.02		46.636
419.05		46.645
419.14		46.673
419.24	23.396	46.704
419.34		46.735
419.44		46.767
419.54		46.798
419.64		46.829
419.74		46.86
419.84		46.891
419.94		46.922
420.		46.941
420.01		46.944
420.02		46.947
420.05	23.397	46.957
420.14		46.985
420.24		47.016
420.34		47.047
420.44		47.078
420.54		47.11
420.64		47.141
420.74		47.172

420.84		47.203
420.94		47.235
421.		47.253
421.01	23.398	47.256
421.02		47.26
421.05		47.269
421.14		47.297
421.24		47.328
421.34		47.36
421.44	23.399	47.391
421.54		47.422
421.64		47.453
421.74		47.485
421.84		47.516
421.94		47.547
422.		47.566
422.01		47.569
422.02	23.4	47.572
422.05		47.582
422.14		47.61
422.24		47.641
422.34		47.672
422.44		47.703
422.54		47.735
422.64	23.401	47.766
422.74		47.797
422.84		47.828
422.94		47.86
423.		47.878
423.01		47.882
423.02	23.402	47.885
423.05		47.894
423.14		47.922
423.24		47.953
423.34		47.985
423.44		48.016
423.54	23.403	48.047
423.64		48.078
423.74		48.11
423.84		48.141
423.94		48.172
424.		48.191
424.01	23.404	48.194
424.02		48.197
424.05		48.206
424.14		48.234
424.24		48.266
424.34	23.405	48.297
424.44		48.328
424.54		48.359
424.64		48.391
424.74	23.406	48.422
424.84		48.453
424.94		48.484
425.		48.503
425.01		48.506
425.02		48.509
425.05	23.407	48.519
425.14		48.547
425.24		48.578

425.34		48.61
425.44	23.408	48.641
425.54		48.672
425.64		48.703
425.74	23.409	48.735
425.84		48.766
425.94		48.797
426.		48.816
426.01		48.819
426.02		48.822
426.05		48.832
426.14	23.41	48.86
426.24		48.891
426.34		48.923
426.44	23.411	48.954
426.54		48.985
426.64		49.016
426.74	23.412	49.048
426.84		49.079
426.94		49.11
427.		49.129
427.01		49.132
427.02		49.136
427.05		49.145
427.14	23.413	49.173
427.24		49.204
427.34		49.236
427.44	23.414	49.267
427.54		49.298
427.64		49.33
427.74	23.415	49.361
427.84		49.392
427.94		49.424
428.	23.416	49.443
428.01		49.446
428.02		49.449
428.05		49.458
428.14		49.486
428.24		49.518
428.34	23.417	49.549
428.44		49.58
428.54		49.612
428.64	23.418	49.643
428.74		49.674
428.84	23.419	49.706
428.94		49.737
429.		49.756
429.01		49.759
429.02		49.762
429.05		49.771
429.14	23.42	49.8
429.24		49.831
429.34		49.862
429.44	23.421	49.894
429.54		49.925
429.64	23.422	49.956
429.74		49.988
429.84		50.019
429.94		50.05
430.		50.069

430.01	23.423	50.072
430.02		50.075
430.05		50.085
430.14		50.113
430.24	23.424	50.144
430.34		50.176
430.44	23.425	50.207
430.54		50.238
430.64		50.27
430.74	23.426	50.301
430.84		50.332
430.94	23.427	50.364
431.		50.383
431.01		50.386
431.02		50.389
431.05		50.398
431.14	23.428	50.427
431.24		50.458
431.34		50.489
431.44	23.429	50.521
431.54		50.552
431.64	23.43	50.583
431.74		50.615
431.84	23.431	50.646
431.94		50.677
432.		50.696
432.01		50.699
432.02		50.702
432.05		50.712
432.14	23.432	50.74
432.24		50.771
432.34	23.433	50.803
432.44		50.834
432.54	23.434	50.865
432.64		50.897
432.74	23.435	50.928
432.84		50.959
432.94	23.436	50.991
433.		51.01
433.01		51.013
433.02		51.016
433.05		51.025
433.14		51.053
433.24	23.437	51.085
433.34		51.116
433.44	23.438	51.147
433.54		51.179
433.64	23.439	51.21
433.74		51.241
433.84	23.44	51.273
433.94		51.304
434.	23.441	51.323
434.01		51.326
434.02		51.329
434.05		51.338
434.14		51.366
434.24	23.442	51.398
434.34		51.429
434.44	23.443	51.46
434.54		51.492

434.64	23.444	51.523
434.74		51.554
434.84	23.445	51.585
434.94		51.617
435.	23.446	51.635
435.01		51.638
435.02		51.642
435.05		51.651
435.14		51.679
435.24	23.447	51.71
435.34	23.448	51.741
435.44		51.773
435.54	23.449	51.804
435.64		51.835
435.74	23.45	51.866
435.84		51.898
435.94	23.451	51.929
436.		51.947
436.01		51.951
436.02		51.954
436.05		51.963
436.14	23.452	51.991
436.24		52.022
436.34	23.453	52.054
436.44	23.454	52.085
436.54		52.116
436.64	23.455	52.147
436.74		52.178
436.84	23.456	52.21
436.94		52.241
437.	23.457	52.26
437.01		52.263
437.02		52.266
437.05		52.275
437.14	23.458	52.303
437.24		52.334
437.34	23.459	52.366
437.44		52.397
437.54	23.46	52.428
437.64	23.461	52.459
437.74		52.49
437.84	23.462	52.521
437.94		52.553
438.	23.463	52.571
438.01		52.574
438.02		52.578
438.05		52.587
438.14	23.464	52.615
438.24		52.646
438.34	23.465	52.677
438.44		52.708
438.54	23.466	52.74
438.64	23.467	52.771
438.74		52.802
438.84	23.468	52.833
438.94	23.469	52.864
439.		52.883
439.01		52.886
439.02		52.889
439.05		52.898

439.14	23.47	52.926
439.24		52.957
439.34	23.471	52.988
439.44	23.472	53.019
439.54		53.051
439.64	23.473	53.082
439.74	23.474	53.113
439.84		53.144
439.94	23.475	53.175
440.		53.193
440.01	23.476	53.196
440.02		53.2
440.05		53.209
440.14		53.237
440.24	23.477	53.268
440.34	23.478	53.299
440.44		53.33
440.54	23.479	53.361
440.64	23.48	53.392
440.74		53.423
440.84	23.481	53.454
440.94	23.482	53.485
441.		53.503
441.01		53.506
441.02		53.509
441.05	23.483	53.519
441.14		53.546
441.24	23.484	53.577
441.34	23.485	53.608
441.44		53.639
441.54	23.486	53.67
441.64	23.487	53.701
441.74		53.732
441.84	23.488	53.763
441.94	23.489	53.793
442.		53.812
442.01		53.815
442.02		53.818
442.05	23.49	53.827
442.14		53.855
442.24	23.491	53.886
442.34	23.492	53.917
442.44	23.493	53.948
442.54		53.978
442.64	23.494	54.009
442.74	23.495	54.04
442.84	23.496	54.071
442.94		54.101
443.	23.497	54.12
443.01		54.123
443.02		54.126
443.05		54.135
443.14	23.498	54.163
443.24	23.499	54.194
443.34		54.224
443.44	23.5	54.255
443.54	23.501	54.286
443.64	23.502	54.316
443.74		54.347
443.84	23.503	54.378

443.94	23.504	54.408
444.		54.427
444.01	23.505	54.43
444.02		54.433
444.05		54.442
444.14	23.506	54.469
444.24		54.5
444.34	23.507	54.531
444.44	23.508	54.561
444.54	23.509	54.592
444.64	23.51	54.622
444.74		54.653
444.84	23.511	54.683
444.94	23.512	54.714
445.		54.732
445.01	23.513	54.735
445.02		54.738
445.05		54.747
445.14	23.514	54.775
445.24		54.805
445.34	23.515	54.836
445.44	23.516	54.866
445.54	23.517	54.897
445.64	23.518	54.927
445.74	23.519	54.958
445.84		54.988
445.94	23.52	55.019
446.	23.521	55.037
446.01		55.04
446.02		55.043
446.05		55.052
446.14	23.522	55.079
446.24	23.523	55.11
446.34	23.524	55.14
446.44	23.525	55.171
446.54		55.201
446.64	23.526	55.231
446.74	23.527	55.262
446.84	23.528	55.292
446.94	23.529	55.322
447.		55.341
447.01		55.344
447.02	23.53	55.347
447.05		55.356
447.14	23.531	55.383
447.24		55.413
447.34	23.532	55.444
447.44	23.533	55.474
447.54	23.534	55.504
447.64	23.535	55.535
447.74	23.536	55.565
447.84	23.537	55.595
447.94	23.538	55.625
448.		55.644
448.01		55.647
448.02		55.65
448.05	23.539	55.659
448.14	23.54	55.686
448.24		55.716
448.34	23.541	55.746

448.44	23.542	55.777
448.54	23.543	55.807
448.64	23.544	55.837
448.74	23.545	55.867
448.84	23.546	55.897
448.94	23.547	55.927
449.		55.945
449.01	23.548	55.948
449.02		55.951
449.05		55.961
449.14	23.549	55.988
449.24	23.55	56.018
449.34	23.551	56.048
449.44	23.552	56.078
449.54		56.108
449.64	23.553	56.138
449.74	23.554	56.168
449.84	23.555	56.198
449.94	23.556	56.228
450.	23.557	56.246
450.01		56.249
450.02		56.252
450.05		56.261
450.14	23.558	56.288
450.24	23.559	56.318
450.34	23.56	56.348
450.44	23.561	56.378
450.54	23.562	56.408
450.64	23.563	56.438
450.74	23.564	56.468
450.84	23.565	56.498
450.94	23.566	56.528
451.	23.567	56.546
451.01		56.549
451.02		56.552
451.05		56.561
451.14	23.568	56.588
451.24	23.569	56.618
451.34	23.57	56.648
451.44	23.571	56.677
451.54	23.572	56.707
451.64	23.573	56.737
451.74	23.574	56.767
451.84	23.575	56.797
451.94	23.576	56.827
452.	23.577	56.845
452.01		56.848
452.02		56.851
452.05		56.86
452.14	23.578	56.886
452.24	23.579	56.916
452.34	23.58	56.946
452.44	23.581	56.976
452.54	23.582	57.006
452.64	23.583	57.035
452.74	23.584	57.065
452.84	23.585	57.095
452.94	23.586	57.125
453.	23.587	57.142
453.01		57.145

453.02		57.148
453.05		57.157
453.14	23.588	57.184
453.24	23.589	57.214
453.34	23.59	57.243
453.44	23.591	57.273
453.54	23.592	57.303
453.64	23.593	57.332
453.74	23.595	57.362
453.84	23.596	57.392
453.94		57.421
454.	23.597	57.439
454.01		57.442
454.02	23.598	57.445
454.05		57.454
454.14	23.599	57.48
454.24	23.6	57.51
454.34	23.601	57.539
454.44	23.602	57.569
454.54	23.603	57.599
454.64	23.604	57.628
454.74	23.605	57.658
454.84	23.606	57.687
454.94	23.607	57.716
455.		57.734
455.01	23.608	57.737
455.02		57.74
455.05	23.609	57.749
455.14	23.61	57.775
455.24	23.611	57.805
455.34	23.612	57.834
455.44	23.613	57.864
455.54	23.614	57.893
455.64	23.615	57.922
455.74	23.616	57.952
455.84	23.617	57.981
455.94		58.01
456.	23.619	58.028
456.01		58.031
456.02		58.034
456.05	23.62	58.043
456.14	23.621	58.069
456.24	23.622	58.098
456.34	23.623	58.128
456.44	23.624	58.157
456.54	23.625	58.186
456.64	23.626	58.215
456.74	23.628	58.245
456.84	23.629	58.274
456.94	23.63	58.303
457.		58.321
457.01	23.631	58.324
457.02		58.326
457.05		58.335
457.14	23.632	58.361
457.24	23.633	58.391
457.34	23.634	58.42
457.44	23.636	58.449
457.54	23.637	58.478
457.64	23.638	58.507

457.74	23.639	58.536
457.84	23.64	58.565
457.94	23.641	58.594
458.	23.642	58.612
458.01		58.615
458.02		58.618
458.05	23.643	58.626
458.14	23.644	58.653
458.24	23.645	58.682
458.34	23.646	58.711
458.44	23.647	58.74
458.54	23.649	58.769
458.64	23.65	58.798
458.74	23.651	58.827
458.84	23.652	58.856
458.94	23.653	58.885
459.	23.654	58.902
459.01		58.905
459.02		58.908
459.05	23.655	58.917
459.14	23.656	58.943
459.24	23.657	58.971
459.34	23.658	59.
459.44	23.659	59.029
459.54	23.661	59.058
459.64	23.662	59.087
459.74	23.663	59.116
459.84	23.664	59.145
459.94	23.665	59.174
460.	23.666	59.191
460.01		59.194
460.02		59.197
460.05	23.667	59.205
460.14	23.668	59.231
460.24	23.669	59.26
460.34	23.67	59.289
460.44	23.672	59.318
460.54	23.673	59.346
460.64	23.674	59.375
460.74	23.675	59.404
460.84	23.677	59.433
460.94	23.678	59.461
461.	23.679	59.479
461.01		59.481
461.02		59.484
461.05		59.493
461.14	23.68	59.519
461.24	23.682	59.547
461.34	23.683	59.576
461.44	23.684	59.605
461.54	23.685	59.633
461.64	23.687	59.662
461.74	23.688	59.691
461.84	23.689	59.719
461.94	23.69	59.748
462.	23.691	59.765
462.01		59.768
462.02		59.771
462.05	23.692	59.779
462.14	23.693	59.805

462.24	23.694	59.834
462.34	23.695	59.862
462.44	23.697	59.891
462.54	23.698	59.919
462.64	23.699	59.948
462.74	23.701	59.976
462.84	23.702	60.005
462.94	23.703	60.033
463.	23.704	60.05
463.01		60.053
463.02		60.056
463.05	23.705	60.064
463.14	23.706	60.09
463.24	23.707	60.118
463.34	23.708	60.147
463.44	23.71	60.175
463.54	23.711	60.204
463.64	23.712	60.232
463.74	23.714	60.26
463.84	23.715	60.289
463.94	23.716	60.317
464.		60.334
464.01		60.337
464.02		60.34
464.05		60.348
464.14		60.374
464.24	23.715	60.402
464.34		60.43
464.44		60.459
464.54		60.487
464.64	23.714	60.515
464.74		60.543
464.84		60.572
464.94	23.713	60.6
465.		60.617
465.01		60.62
465.02		60.622
465.05		60.631
465.14		60.656
465.24		60.684
465.34	23.712	60.713
465.44		60.741
465.54		60.769
465.64		60.797
465.74	23.711	60.825
465.84		60.853
465.94		60.881
466.		60.898
466.01		60.901
466.02	23.71	60.904
466.05		60.912
466.14		60.938
466.24		60.966
466.34		60.994
466.44	23.709	61.022
466.54		61.05
466.64		61.078
466.74		61.106
466.84		61.134
466.94		61.162

467.	23.708	61.178
467.01		61.181
467.02		61.184
467.05		61.192
467.14	23.707	61.218
467.24		61.246
467.34		61.273
467.44		61.301
467.54	23.706	61.329
467.64		61.357
467.74		61.385
467.84		61.413
467.94	23.705	61.441
468.		61.457
468.01		61.46
468.02		61.463
468.05		61.471
468.14		61.496
468.24		61.524
468.34	23.704	61.552
468.44		61.58
468.54		61.607
468.64		61.635
468.74	23.703	61.663
468.84		61.69
468.94		61.718
469.		61.735
469.01		61.738
469.02		61.74
469.05		61.749
469.14	23.702	61.774
469.24		61.801
469.34		61.829
469.44		61.856
469.54	23.701	61.884
469.64		61.912
469.74		61.939
469.84		61.967
469.94	23.7	61.994
470.		62.011
470.01		62.014
470.02		62.017
470.05		62.025
470.14		62.05
470.24		62.077
470.34	23.699	62.105
470.44		62.132
470.54		62.16
470.64		62.187
470.74	23.698	62.215
470.84		62.242
470.94		62.269
471.		62.286
471.01		62.289
471.02		62.291
471.05		62.3
471.14		62.324
471.24	23.697	62.352
471.34		62.379
471.44		62.406

471.54		62.434
471.64	23.696	62.461
471.74		62.488
471.84		62.516
471.94		62.543
472.		62.559
472.01		62.562
472.02		62.565
472.05	23.695	62.573
472.14		62.598
472.24		62.625
472.34		62.652
472.44		62.679
472.54	23.694	62.707
472.64		62.734
472.74		62.761
472.84		62.788
472.94	23.693	62.815
473.		62.832
473.01		62.834
473.02		62.837
473.05		62.845
473.14		62.87
473.24		62.897
473.34		62.924
473.44	23.692	62.951
473.54		62.978
473.64		63.005
473.74		63.032
473.84		63.059
473.94	23.691	63.086
474.		63.102
474.01		63.105
474.02		63.108
474.05		63.116
474.14		63.14
474.24		63.167
474.34		63.194
474.44	23.69	63.221
474.54		63.248
474.64		63.275
474.74		63.302
474.84	23.689	63.329
474.94		63.356
475.		63.372
475.01		63.374
475.02		63.377
475.05		63.385
475.14		63.409
475.24		63.436
475.34		63.463
475.44	23.688	63.49
475.54		63.517
475.64		63.543
475.74		63.57
475.84		63.597
475.94	23.687	63.624
476.		63.64
476.01		63.642
476.02		63.645

476.05		63.653
476.14		63.677
476.24		63.704
476.34		63.731
476.44	23.686	63.757
476.54		63.784
476.64		63.811
476.74		63.837
476.84		63.864
476.94		63.891
477.	23.685	63.907
477.01		63.909
477.02		63.912
477.05		63.92
477.14		63.944
477.24		63.97
477.34		63.997
477.44		64.024
477.54	23.684	64.05
477.64		64.077
477.74		64.103
477.84		64.13
477.94		64.156
478.		64.172
478.01		64.175
478.02		64.177
478.05		64.185
478.14	23.683	64.209
478.24		64.236
478.34		64.262
478.44		64.288
478.54		64.315
478.64		64.341
478.74	23.682	64.368
478.84		64.394
478.94		64.42
479.		64.436
479.01		64.439
479.02		64.441
479.05		64.449
479.14		64.473
479.24		64.499
479.34	23.681	64.526
479.44		64.552
479.54		64.578
479.64		64.604
479.74		64.631
479.84		64.657
479.94		64.683
480.	23.68	64.699
480.01		64.702
480.02		64.704
480.05		64.712
480.14		64.736
480.24		64.762
480.34		64.788
480.44		64.814
480.54		64.84
480.64		64.867
480.74		64.893

480.84		64.919
480.94		64.945
481.		64.961
481.01		64.963
481.02	23.679	64.966
481.05		64.974
481.14		64.997
481.24		65.023
481.34		65.049
481.44		65.075
481.54		65.101
481.64		65.127
481.74		65.153
481.84		65.179
481.94	23.678	65.205
482.		65.221
482.01		65.224
482.02		65.226
482.05		65.234
482.14		65.257
482.24		65.283
482.34		65.309
482.44		65.335
482.54	23.677	65.361
482.64		65.387
482.74		65.413
482.84		65.439
482.94		65.465
483.		65.48
483.01		65.483
483.02		65.485
483.05		65.493
483.14		65.516
483.24	23.676	65.542
483.34		65.568
483.44		65.594
483.54		65.62
483.64		65.645
483.74		65.671
483.84		65.697
483.94		65.723
484.		65.738
484.01		65.741
484.02		65.743
484.05		65.751
484.14		65.774
484.24	23.675	65.8
484.34		65.826
484.44		65.851
484.54		65.877
484.64		65.903
484.74		65.928
484.84		65.954
484.94		65.98
485.		65.995
485.01		65.998
485.02		66.
485.05		66.008
485.14		66.031
485.24		66.056

485.34		66.082
485.44		66.108
485.54		66.133
485.64		66.159
485.74	23.674	66.184
485.84		66.21
485.94		66.235
486.		66.251
486.01		66.253
486.02		66.256
486.05		66.263
486.14		66.286
486.24		66.312
486.34		66.337
486.44		66.363
486.54		66.388
486.64		66.414
486.74		66.439
486.84	23.673	66.464
486.94		66.49
487.		66.505
487.01		66.508
487.02		66.51
487.05		66.518
487.14		66.541
487.24		66.566
487.34		66.591
487.44		66.617
487.54		66.642
487.64		66.667
487.74		66.693
487.84		66.718
487.94		66.743
488.		66.758
488.01		66.761
488.02		66.763
488.05		66.771
488.14	23.672	66.794
488.24		66.819
488.34		66.844
488.44		66.869
488.54		66.894
488.64		66.92
488.74		66.945
488.84		66.97
488.94		66.995
489.		67.01
489.01		67.013
489.02		67.015
489.05		67.023
489.14		67.045
489.24		67.07
489.34		67.096
489.44		67.121
489.54		67.146
489.64		67.171
489.74		67.196
489.84		67.221
489.94		67.246
490.		67.261

490.01		67.263
490.02		67.266
490.05		67.273
490.14		67.296
490.24		67.321
490.34		67.346
490.44		67.371
490.54		67.396
490.64		67.421
490.74		67.446
490.84		67.471
490.94		67.496
491.		67.51
491.01	23.671	67.513
491.02		67.515
491.05		67.523
491.14		67.545
491.24		67.57
491.34		67.595
491.44		67.62
491.54		67.645
491.64		67.67
491.74		67.694
491.84		67.719
491.94		67.744
492.		67.759
492.01		67.761
492.02		67.764
492.05		67.771
492.14		67.793
492.24		67.818
492.34		67.843
492.44		67.868
492.54		67.892
492.64		67.917
492.74		67.942
492.84		67.966
492.94		67.991
493.		68.006
493.01		68.008
493.02		68.011
493.05		68.018
493.14		68.04
493.24		68.065
493.34	23.67	68.09
493.44		68.114
493.54		68.139
493.64		68.163
493.74		68.188
493.84		68.213
493.94		68.237
494.		68.252
494.01		68.254
494.02		68.257
494.05		68.264
494.14		68.286
494.24		68.311
494.34		68.335
494.44		68.36
494.54		68.384

494.64		68.409
494.74		68.433
494.84		68.458
494.94		68.482
495.		68.497
495.01		68.499
495.02		68.502
495.05		68.509
495.14		68.531
495.24		68.555
495.34		68.58
495.44		68.604
495.54		68.628
495.64		68.653
495.74		68.677
495.84		68.701
495.94		68.726
496.		68.74
496.01		68.743
496.02		68.745
496.05		68.752
496.14		68.774
496.24		68.798
496.34		68.823
496.44	23.671	68.847
496.54		68.871
496.64		68.895
496.74		68.92
496.84		68.944
496.94		68.968
497.		68.982
497.01		68.985
497.02		68.987
497.05		68.994
497.14		69.016
497.24		69.04
497.34		69.064
497.44		69.089
497.54		69.113
497.64		69.137
497.74		69.161
497.84		69.185
497.94		69.209
498.		69.223
498.01		69.226
498.02		69.228
498.05		69.235
498.14		69.257
498.24		69.281
498.34		69.305
498.44		69.329
498.54		69.353
498.64	23.672	69.377
498.74		69.401
498.84		69.425
498.94		69.449
499.		69.463
499.01		69.466
499.02		69.468
499.05		69.475

499.14		69.497
499.24		69.521
499.34		69.545
499.44		69.568
499.54		69.592
499.64		69.616
499.74	23.673	69.64
499.84		69.664
499.94		69.688
500.		69.702
500.01		69.704
500.02		69.707
500.05		69.714
500.14		69.735
500.24		69.759
500.34		69.783
500.44		69.807
500.54		69.83
500.64		69.854
500.74		69.878
500.84		69.901
500.94		69.925
501.		69.939
501.01	23.674	69.942
501.02		69.944
501.05		69.951
501.14		69.972
501.24		69.996
501.34		70.02
501.44		70.043
501.54		70.067
501.64		70.091
501.74		70.114
501.84		70.138
501.94		70.161
502.		70.176
502.01		70.178
502.02		70.18
502.05		70.187
502.14	23.675	70.209
502.24		70.232
502.34		70.256
502.44		70.279
502.54		70.303
502.64		70.326
502.74		70.35
502.84		70.373
502.94		70.396
503.		70.41
503.01		70.413
503.02		70.415
503.05		70.422
503.14	23.676	70.443
503.24		70.467
503.34		70.49
503.44		70.513
503.54		70.537
503.64		70.56
503.74		70.584
503.84		70.607

503.94		70.63
504.		70.644
504.01	23.677	70.647
504.02		70.649
504.05		70.656
504.14		70.677
504.24		70.7
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504.74		70.816
504.84	23.678	70.84
504.94		70.863
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505.01		70.879
505.02		70.881
505.05		70.888
505.14		70.909
505.24		70.932
505.34		70.955
505.44		70.979
505.54		71.002
505.64	23.679	71.025
505.74		71.048
505.84		71.071
505.94		71.094
506.		71.108
506.01		71.11
506.02		71.112
506.05		71.119
506.14		71.14
506.24		71.163
506.34	23.68	71.186
506.44		71.209
506.54		71.232
506.64		71.255
506.74		71.278
506.84		71.301
506.94		71.324
507.		71.338
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507.02		71.342
507.05	23.681	71.349
507.14		71.37
507.24		71.393
507.34		71.416
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507.54		71.461
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507.84		71.53
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508.		71.566
508.01		71.569
508.02		71.571
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508.14		71.598
508.24		71.621
508.34		71.644

508.44	23.683	71.666
508.54		71.689
508.64		71.712
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508.94	23.684	71.78
509.		71.794
509.01		71.796
509.02		71.798
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509.24		71.848
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509.94		72.006
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510.14	23.686	72.051
510.24		72.074
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510.54		72.141
510.64	23.687	72.164
510.74		72.186
510.84		72.209
510.94		72.231
511.		72.244
511.01		72.247
511.02		72.249
511.05		72.256
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512.54		72.588
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513.		72.69
513.01		72.692

513.02		72.695
513.05		72.701
513.14	23.692	72.721
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513.34		72.766
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513.64	23.693	72.832
513.74		72.854
513.84		72.876
513.94		72.898
514.	23.694	72.911
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515.34	23.697	73.206
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516.94	23.701	73.554
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517.54		73.684
517.64		73.706

517.74	23.703	73.727
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518.		73.783
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519.94		74.199
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520.14		74.242
520.24	23.71	74.263
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521.54	23.714	74.539
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522.		74.637
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522.02		74.641
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522.14		74.666

522.24	23.716	74.687
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522.74		74.792
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522.94		74.834
523.		74.847
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523.02		74.851
523.05		74.857
523.14	23.719	74.876
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523.44	23.72	74.939
523.54		74.96
523.64		74.981
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524.54		75.169
524.64	23.724	75.19
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524.84		75.231
524.94	23.725	75.252
525.		75.264
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525.02		75.269
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525.14	23.726	75.294
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525.54		75.376
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526.94		75.665

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4824.		48.307
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5316.	23.902	46.139
5436.	23.903	45.644
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5796.	23.907	44.292
5916.	23.909	43.892
6000.	23.91	43.616
6012.		43.577
6024.	23.911	43.538
6060.		43.42
6168.	23.913	43.077
6276.	23.914	42.739
6396.	23.916	42.373
6516.	23.918	42.014
6636.	23.92	41.663
6756.	23.923	41.321
6876.	23.925	40.989
6996.	23.927	40.662
7116.	23.93	40.332
7200.	23.931	40.099

FIGURE 15
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature 3

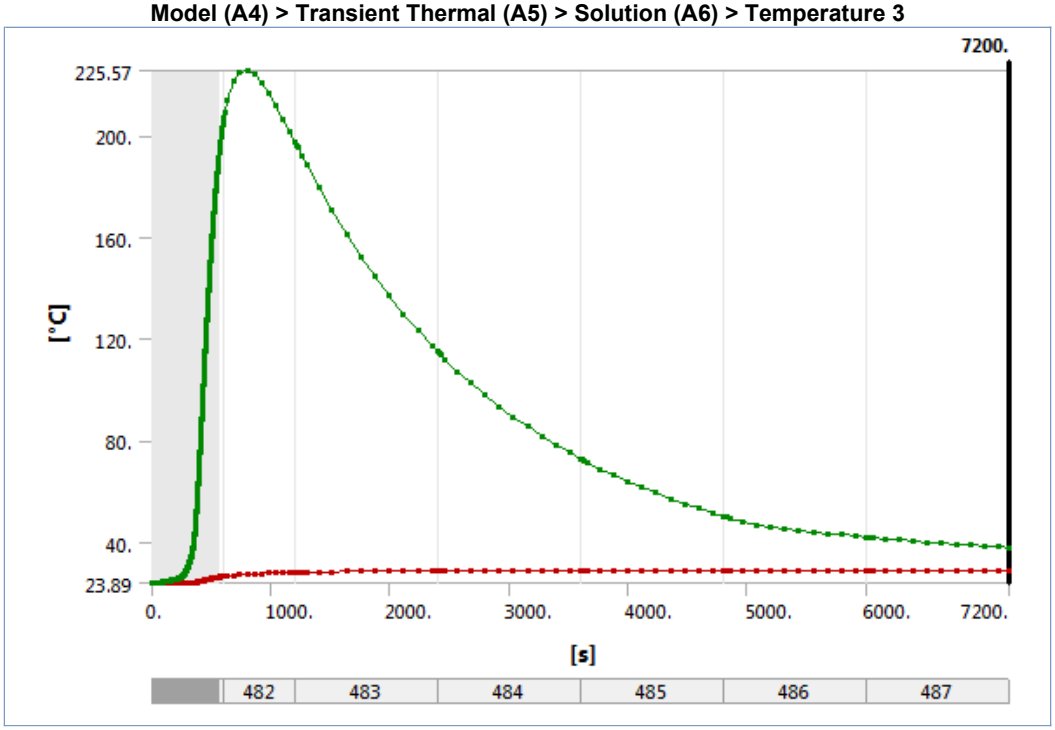

TABLE 26

Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature 3

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002		
2.e-002		
5.e-002		
0.14		
0.41		
1.22		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		23.89
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		

10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.42		
14.559		
14.759		
14.959		
15.159		
15.359		
15.559		
15.759		
15.88		
16.		
16.02		
16.04		
16.1		
16.28		
16.48		
16.68		
16.88		
17.08		
17.28		
17.48		
17.68		
17.88		
18.		
18.02		
18.04		23.891
18.1		
18.28		
18.48		
18.68		

18.88	23.892
19.08	
19.28	
19.48	
19.68	
19.88	23.893
20.	
20.02	
20.04	
20.1	
20.28	
20.48	
20.68	23.894
20.88	
21.08	
21.28	23.895
21.48	
21.68	
21.88	23.896
22.	
22.02	
22.04	
22.1	
22.28	
22.48	23.897
22.68	
22.88	
23.08	23.898
23.28	
23.48	
23.68	23.899
23.88	
24.	
24.02	
24.04	
24.1	
24.28	23.9
24.48	
24.68	23.901
24.88	
25.08	
25.28	23.902
25.48	
25.68	23.903
25.88	
26.	
26.02	
26.04	
26.1	23.904
26.28	
26.48	23.905
26.68	
26.88	
27.08	23.906
27.28	
27.48	23.907
27.68	
27.88	23.908
28.	
28.02	

28.04	
28.1	23.909
28.28	
28.48	23.91
28.68	
28.88	23.911
29.08	
29.28	23.912
29.48	23.913
29.68	
29.88	23.914
30.	
30.02	
30.04	
30.1	
30.28	23.915
30.48	23.916
30.68	
30.88	23.917
31.08	23.918
31.28	
31.48	23.919
31.68	23.92
31.88	
32.	23.921
32.02	
32.04	
32.1	
32.28	23.922
32.48	
32.68	23.923
32.88	23.924
33.08	
33.28	23.925
33.48	23.926
33.68	23.927
33.88	
34.	23.928
34.02	
34.04	
34.1	
34.28	23.929
34.48	23.93
34.68	
34.88	23.931
35.08	23.932

	23.89	
35.28	23.891	23.933
35.48		
35.68		23.934
35.88		23.935
36.		
36.02		
36.04		
36.1		23.936
36.28		
36.48		23.937
36.68		23.938
36.88		23.939
37.08		
37.28		23.94
37.48		23.941
37.68		23.942
37.88		23.943
38.		
38.02		
38.04		
38.1		23.944
38.28		
38.48		23.945
38.68		23.946
38.88		23.947
39.08		
39.28		23.948
39.48		23.949
39.68		23.95
39.88		23.951
40.		
40.02		
40.04		
40.1		23.952
40.28		
40.48		23.953
40.68		23.954
40.88		23.955
41.08		23.956
41.28		23.957
41.48		23.958
41.68		
41.88		23.959
42.		23.96
42.02		
42.04		
42.1		
42.28		23.961
42.48		23.962
42.68		23.963
42.88		23.964
43.08		23.965
43.28		23.966
43.48		23.967
43.68		23.968
43.88		23.969
44.		
44.02		
44.04		

44.1	23.97
44.28	
44.48	23.971
44.68	23.972
44.88	23.973
45.08	23.974
45.28	23.975
45.48	23.976
45.68	23.977
45.88	23.978
46.	23.979
46.02	
46.04	
46.1	23.98
46.28	
46.48	23.981
46.68	23.982
46.88	23.983
47.08	23.985
47.28	23.986
47.48	23.987
47.68	23.988
47.88	23.989
48.	
48.02	
48.04	
48.1	23.99
48.28	23.991
48.48	23.992
48.68	23.993
48.88	23.994
49.08	23.995
49.28	23.996
49.48	23.997
49.68	23.998
49.88	23.999
50.	
50.02	
50.04	
50.1	24.
50.28	24.001
50.48	24.002
50.68	24.003
50.88	24.004
51.08	24.005
51.28	24.006
51.48	24.007
51.68	24.008
51.88	24.009
52.	
52.02	
52.04	24.01
52.1	
52.28	24.011
52.48	24.012
52.68	24.013
52.88	24.014
53.08	24.015
53.28	24.016
53.48	24.017

53.68		24.018
53.88		24.019
54.		
54.02		
54.04		24.02
54.1		
54.28		24.021
54.48		24.022
54.68		24.023
54.88		24.024
55.08		24.025
55.28		24.026
55.48		24.027
55.68		24.028
55.88		24.029
56.		
56.02		
56.04		24.03
56.1		
56.28		24.031
56.48		24.032
56.68		24.033
56.88		24.034
57.08		24.035
57.28		24.036
57.48		24.037
57.68		24.038
57.88		24.039
58.		24.04
58.02		
58.04	23.892	
58.1		
58.28		24.041
58.48		24.043
58.68		24.044
58.88		24.045
59.08		24.046
59.28		24.047
59.48		24.048
59.68		24.049
59.88		24.051
60.		
60.02		
60.04		24.052
60.1		
60.28		24.053
60.48		24.054
60.68		24.056
60.88		24.057
61.08		24.058
61.28		24.059
61.48		24.061
61.68		24.062
61.861		24.063
62.		24.064
62.02		
62.04		
62.1		24.065
62.28		24.066
62.48		24.067

62.68	24.068
62.88	24.07
63.08	24.071
63.28	24.072
63.48	24.074
63.68	24.075
63.88	24.076
64.	24.077
64.02	
64.04	
64.1	24.078
64.28	24.079
64.48	24.08
64.68	24.082
64.88	24.083
65.08	24.085
65.28	24.086
65.48	24.087
65.68	24.089
65.88	24.09
66.	24.091
66.02	
66.04	
66.1	24.092
66.28	24.093
66.48	24.094
66.68	24.096
66.88	24.097
67.08	24.098
67.28	24.1
67.48	24.101
67.68	24.103
67.88	24.104
68.	24.105
68.02	
68.04	
68.1	
68.28	24.107
68.48	24.108
68.68	24.109
68.88	24.111
69.08	24.112
69.28	24.114
69.48	24.115
69.68	24.116
69.88	24.118
70.	24.119
70.02	
70.04	
70.1	
70.28	24.121
70.48	24.122
70.68	24.123
70.88	24.125
71.08	24.126
71.28	24.127
71.48	24.129
71.68	24.13
71.88	24.132
72.	

72.02		
72.04		24.133
72.1		
72.28		24.134
72.48		24.136
72.68		24.137
72.88		24.139
73.08		24.14
73.28		24.142
73.48		24.143
73.68		24.144
73.848		24.146
74.		
74.02		24.147
74.04		
74.1		24.148
74.28		24.149
74.48		24.15
74.68	23.893	24.152
74.88		24.153
75.08		24.155
75.28		24.156
75.48		24.158
75.68		24.159
75.88		24.16
76.		24.161
76.02		
76.04		24.162
76.1		
76.28		24.163
76.48		24.165
76.68		24.166
76.88		24.168
77.08		24.169
77.28		24.171
77.48		24.172
77.68		24.173
77.88		24.175
78.		
78.02		24.176
78.04		
78.1		24.177
78.28		24.178
78.48		24.179
78.68		24.181
78.88		24.182
79.08		24.184
79.28		24.185
79.48		24.187
79.68		24.188
79.845		24.19
80.		
80.02		24.191
80.04		
80.1		24.192
80.28		24.193
80.48		24.194
80.68		24.196
80.88		24.198
81.08		24.199

81.28		24.201
81.48		24.202
81.68		24.204
81.88		24.205
82.		24.206
82.02		
82.04		
82.1		24.207
82.28		24.208
82.48		24.21
82.68		24.211
82.88		24.213
83.08		24.214
83.28		24.216
83.48		24.217
83.68		24.219
83.88		24.22
84.		24.221
84.02		
84.04		24.222
84.1		
84.28		24.223
84.48		24.225
84.68	23.894	24.226
84.88		24.228
85.08		24.229
85.28		24.231
85.48		24.232
85.68		24.234
85.88		24.235
86.		24.236
86.02		24.237
86.04		
86.1		
86.28		24.238
86.48		24.24
86.68		24.241
86.88		24.243
87.08		24.245
87.28		24.246
87.48		24.248
87.68		24.249
87.88		24.251
88.		
88.02		24.252
88.04		
88.1		
88.28		24.254
88.48		24.255
88.68		24.257
88.88		24.258
89.08		24.26
89.28		24.261
89.48		24.263
89.68		24.264
89.88		24.266
90.		
90.02		24.267
90.04		
90.1		

90.28		24.269
90.48		24.27
90.68		24.272
90.88		24.273
91.08		24.275
91.28		24.276
91.48		24.278
91.68		24.279
91.88		24.281
92.		
92.02		24.282
92.04		
92.1		
92.28		24.283
92.48		24.285
92.68		24.286
92.88		24.288
93.08		24.289
93.28		24.291
93.48		24.292
93.68		24.294
93.88		24.295
94.		24.296
94.02		
94.04		24.297
94.1		
94.28		24.298
94.48		24.3
94.68		24.301
94.88	23.895	24.303
95.08		24.304
95.28		24.306
95.48		24.307
95.68		24.309
95.88		24.31
96.		24.311
96.02		
96.04		
96.1		24.312
96.28		24.313
96.397		24.314
96.515		24.315
96.715		24.316
96.915		24.318
97.115		24.319
97.315		24.321
97.515		24.322
97.715		24.324
97.915		24.325
98.		24.326
98.02		
98.04		
98.1		24.327
98.28		24.328
98.48		24.33
98.68		24.331
98.88		24.333
99.08		24.334
99.28		24.336
99.48		24.337

99.68		24.339
99.83		24.34
99.915		24.341
100.		
100.02		
100.04		24.342
100.1		
100.28		24.343
100.48		24.345
100.68		24.346
100.88		24.348
101.08		24.35
101.28		24.351
101.48		24.353
101.68		24.354
101.88		24.356
102.		24.357
102.02		
102.04		
102.1		
102.28		24.359
102.48		24.36
102.68		24.362
102.88		24.364
103.08		24.365
103.28		24.367
103.48		24.368
103.68		24.37
103.88		24.371
104.		24.372
104.02	23.896	
104.04		
104.1		24.373
104.28		24.374
104.48		24.376
104.68		24.377
104.88		24.379
105.08		24.381
105.28		24.382
105.48		24.384
105.68		24.385
105.88		24.387
106.		24.388
106.02		
106.04		
106.1		
106.28		24.39
106.48		24.391
106.68		24.393
106.88		24.394
107.08		24.396
107.28		24.397
107.48		24.399
107.68		24.401
107.88		24.402
108.		24.403
108.02		
108.04		
108.1		24.404
108.28		24.405

108.4		24.406
108.52		24.407
108.72		24.409
108.92		24.41
109.12		24.412
109.32		24.413
109.52		24.415
109.72		24.416
109.92		24.418
110.		
110.02		24.419
110.04		
110.1		
110.28		24.421
110.48		24.422
110.68		24.424
110.88		24.425
111.08		24.427
111.28		24.429
111.48		24.43
111.68		24.432
111.88		24.433
112.		24.434
112.02		24.435
112.04		
112.1		
112.28		24.437
112.48		24.438
112.68		24.44
112.88		24.442
113.08		24.444
113.28		24.445
113.48		24.447
113.68		24.449
113.87		24.45
114.		24.451
114.02	23.897	24.452
114.04		
114.1		
114.28		24.454
114.48		24.456
114.68		24.457
114.88		24.459
115.08		24.461
115.28		24.462
115.48		24.464
115.68		24.466
115.88		24.468
116.		24.469
116.02		
116.04		
116.1		
116.28		24.471
116.48		24.473
116.68		24.474
116.88		24.476
117.08		24.478
117.28		24.48
117.48		24.481
117.68		24.483

117.88		24.485
118.		24.486
118.02		
118.04		
118.1		24.487
118.28		24.488
118.48		24.49
118.68		24.492
118.88		24.493
119.08		24.495
119.28		24.497
119.48		24.499
119.68		24.5
119.88		24.502
120.		24.503
120.02		
120.04		
120.1		24.504
120.28		24.505
120.48		24.507
120.68		24.509
120.88		24.511
121.08		24.512
121.28		24.514
121.48		24.516
121.68		24.517
121.88		24.519
122.		24.52
122.02		
122.04		
122.1		24.521
122.28		24.522
122.48		24.524
122.68		24.526
122.88		24.528
123.08		24.529
123.28		24.531
123.48		24.533
123.68	23.898	24.534
123.88		24.536
124.		24.537
124.02		
124.04		
124.1		24.538
124.28		24.539
124.48		24.541
124.68		24.543
124.88		24.545
125.08		24.546
125.28		24.548
125.48		24.55
125.68		24.551
125.88		24.553
126.		24.554
126.02		
126.04		
126.1		24.555
126.28		24.556
126.48		24.558
126.68		24.56

126.88		24.562
127.08		24.563
127.28		24.565
127.48		24.567
127.68		24.568
127.88		24.57
128.		24.571
128.02		
128.04		
128.1		24.572
128.28		24.573
128.48		24.575
128.68		24.577
128.88		24.578
129.08		24.58
129.28		24.582
129.48		24.583
129.68		24.585
129.88		24.587
130.		24.588
130.02		
130.04		
130.1		24.589
130.28		24.59
130.41		24.591
130.53		24.592
130.73		24.594
130.93		24.596
131.13		24.597
131.33		24.599
131.53		24.601
131.73		24.602
131.93		24.604
132.		24.605
132.02		
132.04		
132.1		24.606
132.28		24.607
132.48		24.609
132.68		24.611
132.88	23.899	24.612
133.08		24.614
133.28		24.616
133.48		24.618
133.68		24.619
133.83		24.621
133.92		
134.		24.622
134.02		
134.04		
134.1		24.623
134.28		24.625
134.48		24.626
134.68		24.628
134.88		24.63
135.08		24.632
135.28		24.633
135.48		24.635
135.68		24.637
135.88		24.639

136.	24.64
136.02	
136.04	
136.1	24.641
136.28	24.642
136.48	24.644
136.68	24.646
136.88	24.648
137.08	24.649
137.28	24.651
137.48	24.653
137.68	24.655
137.88	24.657
138.	24.658
138.02	
138.04	
138.1	24.659
138.28	24.66
138.48	24.662
138.68	24.664
138.88	24.665
139.08	24.667
139.28	24.669
139.48	24.671
139.68	24.672
139.88	24.674
140.	24.675
140.01	
140.02	
140.05	24.676
140.14	24.677
140.24	
140.34	24.678
140.44	24.679
140.54	24.68
140.64	24.681
140.74	24.682
140.84	24.683
140.94	24.684
141.	
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141.02	
141.05	24.685
141.14	
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141.34	24.687
141.44	24.688
141.54	24.689
141.64	24.69
141.74	24.691
141.84	24.692
141.94	
142.	24.693
142.01	
142.02	
142.05	
142.14	24.694
142.24	24.695
142.34	24.696
142.44	24.697

142.54	24.698
142.64	24.699
142.74	
142.84	24.7
142.94	24.701
143.	24.702
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143.94	24.71
144.	
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144.84	24.718
144.94	24.719
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145.02	
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145.14	
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145.84	24.727
145.94	
146.	24.728
146.01	
146.02	
146.05	
146.14	24.729
146.24	24.73
146.34	24.731
146.44	24.732
146.54	24.733
146.64	24.734
146.74	
146.84	24.735
146.94	24.736
147.	24.737
147.01	
147.02	

147.05	
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147.24	24.739
147.34	24.74
147.44	
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147.64	24.742
147.74	24.743
147.84	24.744
147.94	24.745
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148.05	
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148.31	24.748
148.41	24.749
148.51	24.75
148.61	24.751
148.71	24.752
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148.91	24.753
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149.05	
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149.24	24.756
149.34	24.757
149.44	24.758
149.54	24.759

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149.74		24.761
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151.9		24.78
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155.84		24.817
155.94		24.818
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156.94		24.827
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159.84		24.855
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161.64		24.873
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161.84		24.875
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162.94		24.885
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163.05		
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163.54	24.891
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166.94	24.925
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167.54	24.931
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167.84	24.934
167.94	24.935
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204.74		25.344

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211.85		25.439
211.95		25.44
212.		25.441
212.01		
212.02		
212.05		25.442
212.14		25.443
212.24		25.444
212.34		25.446
212.44		25.447
212.54		25.448
212.64		25.45
212.74		25.451
212.84		25.453
212.94		25.454
213.		25.455
213.01		
213.02		
213.05		
213.14		25.457
213.21		25.458
213.28		25.459
213.38		25.46
213.48		25.462
213.58		25.463
213.68		25.464
213.78		25.466

213.88		25.467
213.94		25.468
214.		25.469
214.01		
214.02		
214.05		25.47
214.14		25.471
214.24		25.472
214.34		25.474
214.44		25.475
214.54		25.477
214.64		25.478
214.74		25.48
214.84		25.481
214.94		25.483
215.		
215.01		25.484
215.02		
215.05		
215.14		25.485
215.22		25.487
215.29		25.488
215.39		25.489
215.49		25.491
215.59		25.492
215.69		25.494
215.79		25.495
215.89		25.497
215.95		
216.		25.498
216.01	23.909	
216.02		25.499
216.05		
216.14		25.5
216.24		25.502
216.34		25.503
216.44		25.505
216.54		25.506
216.64		25.508
216.74		25.509
216.84		25.511
216.94		25.513
217.		
217.01		25.514
217.02		
217.05		
217.14		25.516
217.24		25.517
217.34		25.519
217.44		25.52
217.54		25.522
217.64		25.524
217.74		25.525
217.84		25.527
217.94		25.528
218.		25.529
218.01		25.53
218.02		
218.05		
218.14		25.532

218.24		25.533
218.34		25.535
218.44		25.537
218.54		25.538
218.64		25.54
218.74		25.542
218.84		25.543
218.94		25.545
219.		25.546
219.01		
219.02		
219.05		25.547
219.14		25.548
219.24		25.55
219.34		25.552
219.44		25.554
219.54		25.555
219.64		25.557
219.74		25.559
219.84		25.561
219.94		25.562
220.		25.563
220.01		25.564
220.02		
220.05		
220.14		25.566
220.24		25.568
220.34		25.569
220.44		25.571
220.54		25.573
220.64		25.575
220.74		25.577
220.84	23.91	25.578
220.94		25.58
221.		25.581
221.01		25.582
221.02		
221.05		
221.14		25.584
221.24		25.586
221.34		25.588
221.44		25.59
221.54		25.591
221.64		25.593
221.74		25.595
221.84		25.597
221.94		25.599
222.		25.6
222.01		
222.02		
222.05		25.601
222.14		25.603
222.24		25.605
222.34		25.607
222.44		25.608
222.54		25.61
222.64		25.612
222.74		25.614
222.84		25.616
222.94		25.618

223.		
223.01		25.619
223.02		
223.05		25.62
223.14		25.622
223.23		25.623
223.31		25.625
223.41		25.627
223.51		25.629
223.61		25.631
223.71		25.633
223.81		25.635
223.91		25.636
224.		
224.01		25.638
224.02		
224.05		25.639
224.14		25.641
224.24		25.643
224.34		25.645
224.44		25.647
224.54		25.648
224.64		25.65
224.74		25.652
224.84		25.654
224.94		25.656
225.		25.657
225.01		
225.02		25.658
225.05		
225.14		25.66
225.24		25.662
225.34		25.664
225.44	23.911	25.666
225.54		25.668
225.64		25.67
225.74		25.672
225.84		25.674
225.94		25.676
226.		
226.01		25.678
226.02		
226.05		25.679
226.14		25.68
226.24		25.682
226.34		25.685
226.44		25.687
226.54		25.689
226.64		25.691
226.74		25.693
226.84		25.695
226.94		25.697
227.		25.698
227.01		
227.02		25.699
227.05		
227.14		25.701
227.24		25.703
227.34		25.706
227.44		25.708

227.54		25.71
227.64		25.712
227.74		25.714
227.84		25.716
227.94		25.719
228.		25.72
228.01		
228.02		
228.05		25.721
228.14		25.723
228.24		25.725
228.34		25.727
228.44		25.73
228.54		25.732
228.64		25.734
228.74		25.736
228.84		25.739
228.94		25.741
229.		25.742
229.01		
229.02		25.743
229.05		
229.14		25.745
229.24		25.748
229.34		25.75
229.44		25.752
229.54	23.912	25.754
229.64		25.757
229.74		25.759
229.84		25.761
229.94		25.764
230.		25.765
230.01		
230.02		25.766
230.05		
230.14		25.768
230.24		25.771
230.34		25.773
230.44		25.775
230.54		25.778
230.64		25.78
230.74		25.782
230.84		25.785
230.94		25.787
231.		25.789
231.01		
231.02		
231.05		25.79
231.14		25.792
231.24		25.795
231.34		25.797
231.44		25.799
231.54		25.802
231.64		25.804
231.74		25.807
231.84		25.809
231.94		25.812
232.		25.813
232.01		
232.02		25.814

232.05		
232.14		25.817
232.24		25.819
232.34		25.822
232.44		25.824
232.54		25.827
232.64		25.829
232.74		25.832
232.84		25.834
232.94		25.837
233.		25.838
233.01		
233.02		25.839
233.05		25.84
233.14		25.842
233.24	23.913	25.844
233.34		25.847
233.44		25.85
233.54		25.852
233.64		25.855
233.74		25.858
233.84		25.86
233.94		25.863
234.		25.864
234.01		25.865
234.02		
234.05		25.866
234.14		25.868
234.24		25.871
234.34		25.874
234.44		25.876
234.54		25.879
234.64		25.882
234.74		25.885
234.84		25.887
234.94		25.89
235.		25.892
235.01		
235.02		
235.05		25.893
235.14		25.896
235.24		25.898
235.34		25.901
235.44		25.904
235.54		25.907
235.64		25.909
235.74	23.914	25.912
235.84		25.915
235.94		25.918
236.		25.92
236.01		
236.02		
236.05		25.921
236.14		25.924
236.24		25.926
236.34		25.929
236.44		25.932
236.54		25.935
236.64		25.938
236.74		25.941

236.84		25.944
236.94		25.946
237.		25.948
237.01		25.949
237.02		
237.05		25.95
237.14		25.952
237.24		25.955
237.34		25.958
237.44		25.961
237.54		25.964
237.64		25.967
237.74		25.97
237.84		25.973
237.94		25.976
238.		25.978
238.01		
238.02		
238.05		25.979
238.14		25.982
238.24		25.985
238.34		25.988
238.44		25.991
238.54		25.994
238.64		25.997
238.74		26.
238.84		26.003
238.94		26.006
239.	23.915	26.008
239.01		
239.02		26.009
239.05		26.01
239.14		26.012
239.24		26.015
239.34		26.019
239.44		26.022
239.54		26.025
239.64		26.028
239.74		26.031
239.84		26.034
239.94		26.038
240.		26.039
240.01		26.04
240.02		
240.05		26.041
240.14		26.044
240.24		26.047
240.34		26.05
240.44		26.054
240.54		26.057
240.64		26.06
240.74		26.064
240.84		26.067
240.94		26.07
241.		26.072
241.01		26.073
241.02		
241.05		26.074
241.14		26.077
241.24		26.081

241.34		26.084
241.44		26.088
241.54		26.091
241.64		26.094
241.74		26.098
241.84		26.101
241.94		26.105
242.	23.916	26.107
242.01		
242.02		26.108
242.05		26.109
242.14		26.112
242.24		26.116
242.34		26.119
242.44		26.123
242.54		26.126
242.64		26.13
242.74		26.133
242.84	23.917	26.137
242.94		26.141
243.		26.143
243.01		
243.02		
243.05		26.145
243.14		26.148
243.24		26.151
243.34		26.155
243.44		26.159
243.54		26.162
243.64		26.166
243.74		26.17
243.84		26.173
243.94		26.177
244.		26.179
244.01		
244.02		26.18
244.05		26.181
244.14		26.184
244.24		26.188
244.34		26.192
244.44		26.195
244.54		26.199
244.64		26.203
244.74		26.207
244.84		26.21
244.94		26.214
245.		26.216
245.01		26.217
245.02		
245.05		26.218
245.14		26.222
245.24		26.226
245.34		26.229
245.44		26.233
245.54		26.237
245.64		26.241
245.74		26.245
245.84		26.249
245.94		26.253
246.		26.255

246.01		
246.02		26.256
246.05		26.257
246.14		26.26
246.24		26.264
246.34		26.268
246.44		26.272
246.54		26.276
246.64	23.918	26.28
246.74		26.284
246.84		26.288
246.94		26.292
247.		26.295
247.01		
247.02		26.296
247.05		26.297
247.14		26.301
247.24		26.305
247.34		26.309
247.44		26.313
247.54		26.317
247.64		26.321
247.74		26.325
247.84		26.329
247.94		26.333
248.		26.336
248.01		
248.02		26.337
248.05		26.338
248.14	23.919	26.342
248.24		26.346
248.34		26.35
248.44		26.354
248.54		26.358
248.64		26.363
248.74		26.367
248.84		26.371
248.94		26.375
249.		26.378
249.01		
249.02		26.379
249.05		26.38
249.14		26.384
249.24		26.388
249.34		26.392
249.44		26.397
249.54		26.401
249.64		26.405
249.74		26.409
249.84		26.414
249.94		26.418
250.	23.92	26.421
250.01		
250.02		26.422
250.05		26.423
250.14		26.427
250.24		26.431
250.34		26.436
250.44		26.44
250.54		26.445

250.64		26.449
250.74		26.453
250.84		26.458
250.94		26.462
251.		26.465
251.01		26.466
251.02		
251.05		26.467
251.14		26.471
251.24		26.476
251.34		26.481
251.44		26.485
251.54		26.49
251.64		26.494
251.74		26.499
251.84		26.503
251.94		26.508
252.	23.921	26.511
252.01		
252.02		26.512
252.05		26.513
252.14		26.517
252.24		26.522
252.34		26.527
252.44		26.531
252.54		26.536
252.64		26.541
252.74		26.545
252.84		26.55
252.94		26.555
253.		26.558
253.01		
253.02		
253.05		26.56
253.14		26.564
253.24		26.569
253.34		26.574
253.44		26.578
253.54		26.583
253.64		26.588
253.74	23.922	26.593
253.84		26.598
253.94		26.602
254.		26.605
254.01		26.606
254.02		
254.05		26.608
254.14		26.612
254.24		26.617
254.34		26.622
254.44		26.627
254.54		26.632
254.64		26.637
254.74		26.642
254.84		26.647
254.94		26.651
255.		26.654
255.01		26.655
255.02		
255.05		26.657

255.14	23.923	26.661
255.24		26.666
255.34		26.672
255.44		26.677
255.54		26.682
255.64		26.687
255.74		26.692
255.84		26.697
255.94		26.702
256.		26.705
256.01		26.706
256.02		
256.05		26.708
256.14		26.712
256.24	23.924	26.717
256.34		26.723
256.44		26.728
256.54		26.733
256.64		26.738
256.74		26.743
256.84		26.749
256.94		26.754
257.		26.757
257.01		26.758
257.02		
257.05		26.76
257.14		26.765
257.24		26.77
257.34		26.775
257.44		26.781
257.54		26.786
257.64		26.791
257.74		26.797
257.84	23.925	26.802
257.94		26.808
258.		26.811
258.01		
258.02		26.812
258.05		26.814
258.14		26.819
258.24		26.824
258.34		26.83
258.44		26.835
258.54		26.841
258.64		26.846
258.74		26.852
258.84		26.857
258.94		26.863
259.		26.866
259.01		26.867
259.02		26.868
259.05		26.869
259.14		26.874
259.24		26.88
259.34		26.886
259.44		26.891
259.54		26.897
259.64		26.903
259.74		26.908
259.84		26.914

259.94	23.926	26.92
260.		26.923
260.01		26.924
260.02		
260.05		26.926
260.14		26.931
260.24		26.937
260.34		26.943
260.44		26.949
260.54		26.955
260.64		26.96
260.74		26.966
260.84	23.927	26.972
260.94		26.978
261.		26.981
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261.02		26.983
261.05		26.984
261.14		26.99
261.24		26.996
261.34		27.001
261.44		27.007
261.54		27.013
261.64		27.019
261.74		27.025
261.84		27.031
261.94		27.037
262.		27.041
262.01		
262.02		27.042
262.05		27.044
262.14		27.049
262.24	23.928	27.055
262.34		27.061
262.44		27.067
262.54		27.073
262.64		27.079
262.74		27.085
262.84		27.091
262.94		27.097
263.		27.1
263.01		27.101
263.02		27.102
263.05		27.103
263.14		27.109
263.24		27.115
263.34		27.121
263.44		27.127
263.54	23.929	27.133
263.64		27.139
263.74		27.145
263.84		27.151
263.94		27.157
264.		27.161
264.01		
264.02		27.162
264.05		27.164
264.14		27.169
264.24		27.175
264.34		27.181

264.44		27.187
264.54		27.194
264.64		27.2
264.74		27.206
264.84		27.212
264.94	23.93	27.218
265.		27.222
265.01		
265.02		27.223
265.05		27.225
265.14		27.23
265.24		27.237
265.34		27.243
265.44		27.249
265.54		27.255
265.64		27.261
265.74		27.268
265.84		27.274
265.94		27.28
266.		27.284
266.01		27.285
266.02		
266.05		27.287
266.14		27.293
266.24	23.931	27.299
266.34		27.305
266.44		27.312
266.54		27.318
266.64		27.324
266.74		27.331
266.84		27.337
266.94		27.343
267.		27.347
267.01		27.348
267.02		27.349
267.05		27.351
267.14		27.356
267.24		27.363
267.34		27.369
267.44		27.376
267.54	23.932	27.382
267.64		27.389
267.74		27.395
267.84		27.402
267.94		27.408
268.		27.412
268.01		27.413
268.02		27.414
268.05		27.416
268.14		27.421
268.24		27.428
268.34		27.435
268.44		27.441
268.54		27.448
268.64		27.455
268.74		27.461
268.84		27.468
268.94		27.475
269.		27.479
269.01		27.48

269.02		
269.05		27.482
269.14		27.488
269.24		27.495
269.34		27.502
269.44	23.933	27.509
269.54		27.516
269.64		27.523
269.74		27.529
269.84		27.536
269.94		27.543
270.		27.547
270.01		27.548
270.02		27.549
270.05		27.551
270.14		27.557
270.24		27.564
270.34		27.571
270.44		27.578
270.54	23.934	27.585
270.64		27.592
270.74		27.599
270.84		27.606
270.94		27.613
271.		27.617
271.01		27.618
271.02		27.619
271.05		27.621
271.14		27.627
271.24		27.634
271.34		27.641
271.44		27.649
271.54		27.656
271.64		27.663
271.74		27.67
271.84	23.935	27.677
271.94		27.684
272.		27.689
272.01		
272.02		27.69
272.05		27.692
272.14		27.699
272.24		27.706
272.34		27.713
272.44		27.721
272.54		27.728
272.64		27.735
272.74		27.742
272.84		27.75
272.94	23.936	27.757
273.		27.762
273.01		
273.02		27.763
273.05		27.765
273.14		27.772
273.24		27.779
273.34		27.787
273.44		27.794
273.54		27.802
273.64		27.809

273.74		27.817
273.84		27.824
273.94		27.832
274.		27.836
274.01		27.837
274.02	23.937	27.838
274.05		27.84
274.14		27.847
274.24		27.855
274.34		27.862
274.44		27.87
274.54		27.878
274.64		27.885
274.74		27.893
274.84		27.901
274.94		27.908
275.		27.913
275.01	23.938	27.914
275.02		27.915
275.05		27.917
275.14		27.924
275.24		27.932
275.34		27.939
275.44		27.947
275.54		27.955
275.64		27.963
275.74		27.971
275.84		27.979
275.94		27.986
276.		27.991
276.01		27.992
276.02	23.939	27.993
276.05		27.995
276.14		28.002
276.24		28.01
276.34		28.018
276.44		28.026
276.54		28.034
276.64		28.042
276.74		28.05
276.84		28.058
276.94		28.066
277.		28.071
277.01		28.072
277.02	23.94	28.073
277.05		28.075
277.14		28.083
277.24		28.091
277.34		28.099
277.44		28.107
277.54		28.115
277.64		28.123
277.74		28.131
277.84		28.14
277.94		28.148
278.		28.153
278.01	23.941	28.154
278.02		
278.05		28.157
278.14		28.164

278.24		28.172
278.34		28.181
278.44		28.189
278.54		28.197
278.64		28.205
278.74	23.942	28.214
278.84		28.222
278.94		28.23
279.		28.235
279.01		28.236
279.02		28.237
279.05		28.24
279.14		28.247
279.24		28.255
279.34		28.264
279.44		28.272
279.54		28.28
279.64		28.289
279.74	23.943	28.297
279.84		28.306
279.94		28.314
280.		28.319
280.01		28.32
280.02		28.321
280.05		28.323
280.14		28.331
280.24		28.339
280.34		28.348
280.44		28.356
280.54		28.365
280.64	23.944	28.373
280.74		28.382
280.84		28.39
280.94		28.399
281.		28.404
281.01		28.405
281.02		28.406
281.05		28.408
281.14		28.416
281.24		28.425
281.34		28.433
281.44		28.442
281.54		28.45
281.64	23.945	28.459
281.74		28.468
281.84		28.476
281.94		28.485
282.		28.49
282.01		28.491
282.02		28.492
282.05		28.495
282.14		28.503
282.24		28.511
282.34		28.52
282.44		28.529
282.54		28.538
282.64		28.547
282.74		28.555
282.84		28.564
282.94		28.573

283.	23.946	28.578
283.01		28.579
283.02		28.58
283.05		28.583
283.14		28.591
283.24		28.6
283.34		28.609
283.44		28.618
283.54	23.947	28.626
283.64		28.635
283.74		28.644
283.84		28.653
283.94		28.662
284.		28.668
284.01		28.669
284.02		
284.05		28.672
284.14		28.68
284.24		28.689
284.34		28.698
284.44	23.948	28.707
284.54		28.716
284.64		28.725
284.74		28.734
284.84		28.743
284.94		28.753
285.		28.758
285.01		28.759
285.02		28.76
285.05		28.763
285.14		28.771
285.24		28.78
285.34	23.949	28.789
285.44		28.798
285.54		28.807
285.64		28.816
285.74		28.826
285.84		28.835
285.94		28.844
286.		28.85
286.01		
286.02		28.851
286.05		28.854
286.14		28.862
286.24	23.95	28.872
286.34		28.881
286.44		28.89
286.54		28.9
286.64		28.909
286.74		28.918
286.84		28.927
286.94		28.937
287.		28.942
287.01		28.943
287.02		28.944
287.05		28.947
287.14	23.951	28.956
287.24		28.965
287.34		28.974
287.44		28.984

287.54		28.993
287.64		29.003
287.74		29.012
287.84		29.022
287.94	23.952	29.031
288.		29.037
288.01		29.038
288.02		29.039
288.05		29.042
288.14		29.05
288.24		29.06
288.34		29.069
288.44		29.079
288.54		29.089
288.64		29.098
288.74		29.108
288.84	23.953	29.117
288.94		29.127
289.		29.133
289.01		29.134
289.02		29.135
289.05		29.138
289.14		29.146
289.24		29.156
289.34		29.166
289.44		29.175
289.54		29.185
289.64	23.954	29.195
289.74		29.205
289.84		29.214
289.94		29.224
290.		29.23
290.01		29.231
290.02		29.232
290.05		29.235
290.14		29.244
290.24		29.254
290.34		29.263
290.44		29.273
290.54	23.955	29.283
290.64		29.293
290.74		29.303
290.84		29.313
290.94		29.323
291.		29.329
291.01		29.33
291.02		29.331
291.05		29.334
291.14		29.343
291.24		29.353
291.34	23.956	29.363
291.44		29.373
291.54		29.383
291.64		29.394
291.74		29.404
291.84		29.414
291.94		29.424
292.		29.43
292.01		29.431
292.02		29.432

292.05		29.436
292.14	23.957	29.445
292.24		29.455
292.34		29.465
292.44		29.476
292.54		29.486
292.64		29.497
292.74		29.507
292.84		29.517
292.94	23.958	29.528
293.		29.534
293.01		29.535
293.02		29.536
293.05		29.539
293.14		29.549
293.24		29.559
293.34		29.57
293.44		29.581
293.54		29.591
293.64		29.602
293.74	23.959	29.613
293.84		29.623
293.94		29.634
294.		29.64
294.01		29.642
294.02		29.643
294.05		29.646
294.14		29.656
294.24		29.666
294.34		29.677
294.44	23.96	29.688
294.54		29.699
294.64		29.71
294.74		29.721
294.84		29.732
294.94		29.743
295.		29.75
295.01		29.751
295.02		29.752
295.05		29.755
295.14		29.765
295.24	23.961	29.776
295.34		29.787
295.44		29.799
295.54		29.81
295.64		29.821
295.74		29.832
295.84		29.843
295.94	23.962	29.855
296.		29.861
296.01		29.863
296.02		29.864
296.05		29.867
296.14		29.877
296.24		29.889
296.34		29.9
296.44		29.911
296.54		29.923
296.64		29.934
296.74		29.945

296.84	23.963	29.957
296.94		29.968
297.		29.975
297.01		29.976
297.02		29.978
297.05		29.981
297.14		29.991
297.24		30.003
297.34		30.014
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297.64		30.049
297.74		30.061
297.84		30.072
297.94		30.084
298.		30.091
298.01		30.092
298.02		30.093
298.05		30.097
298.14	23.965	30.107
298.24		30.119
298.34		30.131
298.44		30.143
298.54		30.154
298.64		30.166
298.74		30.178
298.84	23.966	30.19
298.94		30.202
299.		30.209
299.01		30.21
299.02		30.211
299.05		30.215
299.14		30.226
299.24		30.238
299.34		30.249
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299.54	23.967	30.273
299.64		30.285
299.74		30.297
299.84		30.31
299.94		30.322
300.		30.329
300.01		30.33
300.02		30.331
300.05		30.335
300.14		30.346
300.24	23.968	30.358
300.34		30.37
300.44		30.382
300.54		30.394
300.64		30.407
300.74		30.419
300.84	23.969	30.431
300.94		30.443
301.		30.451
301.01		30.452
301.02		30.453
301.05		30.457
301.14		30.468
301.24		30.48

301.34		30.493
301.44		30.505
301.54	23.97	30.517
301.64		30.53
301.74		30.542
301.84		30.554
301.94		30.567
302.		30.574
302.01		30.576
302.02		30.577
302.05		30.58
302.14		30.592
302.24	23.971	30.604
302.34		30.617
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302.54		30.642
302.64		30.654
302.74		30.667
302.84	23.972	30.679
302.94		30.692
303.		30.699
303.01		30.701
303.02		30.702
303.05		30.706
303.14		30.717
303.24		30.73
303.34		30.742
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303.54	23.973	30.768
303.64		30.781
303.74		30.793
303.84		30.806
303.94		30.819
304.		30.827
304.01		30.828
304.02		30.829
304.05		30.833
304.14	23.974	30.845
304.24		30.858
304.34		30.871
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304.54		30.896
304.64		30.909
304.74		30.922
304.84	23.975	30.935
304.94		30.948
305.		30.956
305.01		30.958
305.02		30.959
305.05		30.963
305.14		30.975
305.24		30.988
305.34		31.001
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305.84		31.067
305.94		31.08
306.		31.088

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306.94		31.214
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307.05		31.228
307.14		31.24
307.24	23.979	31.254
307.34		31.267
307.44		31.281
307.54		31.294
307.64		31.308
307.74		31.321
307.84		31.334
307.94	23.98	31.348
308.		31.356
308.01		31.357
308.02		31.359
308.05		31.363
308.14		31.375
308.24		31.389
308.34		31.402
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308.54	23.981	31.429
308.64		31.443
308.74		31.457
308.84		31.47
308.94		31.484
309.		31.492
309.01		31.494
309.02		31.495
309.05		31.499
309.14	23.982	31.512
309.24		31.525
309.34		31.539
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309.54		31.567
309.64		31.58
309.74	23.983	31.594
309.84		31.608
309.94		31.622
310.		31.63
310.01		31.631
310.02		31.633
310.05		31.637
310.14		31.65
310.24		31.663
310.34	23.984	31.677
310.44		31.691
310.54		31.705

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310.94	23.985	31.761
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311.02		31.772
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311.14		31.789
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311.64		31.86
311.74		31.874
311.84		31.888
311.94		31.902
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312.01		31.912
312.02	23.987	31.913
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312.24		31.944
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313.01		32.053
313.02		32.055
313.05		32.059
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313.24	23.989	32.086
313.34		32.1
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313.54		32.128
313.64		32.142
313.74		32.156
313.84	23.99	32.171
313.94		32.185
314.		32.193
314.01		32.195
314.02		32.196
314.05		32.201
314.14		32.213
314.24		32.228
314.34		32.242
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314.54		32.271
314.64		32.285
314.74		32.299
314.84		32.314
314.94	23.992	32.328
315.		32.337
315.01		32.338
315.02		32.34
315.05		32.344

315.14		32.357
315.24		32.371
315.34		32.386
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315.54	23.993	32.415
315.64		32.429
315.74		32.444
315.84		32.458
315.94		32.473
316.		32.481
316.01		32.483
316.02		32.484
316.05		32.489
316.14	23.994	32.502
316.24		32.516
316.34		32.531
316.44		32.545
316.54		32.56
316.64	23.995	32.575
316.74		32.589
316.84		32.604
316.94		32.618
317.		32.627
317.01		32.629
317.02		32.63
317.05		32.634
317.14		32.648
317.24	23.996	32.662
317.34		32.677
317.44		32.691
317.54		32.706
317.64		32.721
317.74		32.735
317.84	23.997	32.75
317.94		32.765
318.		32.774
318.01		32.775
318.02		32.777
318.05		32.781
318.14		32.794
318.24		32.809
318.34	23.998	32.824
318.44		32.838
318.54		32.853
318.64		32.868
318.74		32.883
318.84		32.897
318.94	23.999	32.912
319.		32.921
319.01		32.923
319.02		32.924
319.05		32.929
319.14		32.942
319.24		32.957
319.34		32.972
319.44	24.	32.986
319.54		33.001
319.64		33.016
319.74		33.031
319.84		33.046

319.94		33.061
320.	24.001	33.07
320.01		33.072
320.02		33.073
320.05		33.078
320.14		33.091
320.24		33.106
320.34		33.121
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320.54	24.002	33.151
320.64		33.167
320.74		33.182
320.84		33.197
320.94		33.212
321.		33.221
321.01		33.223
321.02		33.224
321.05		33.229
321.14	24.003	33.242
321.24		33.258
321.34		33.273
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321.84		33.349
321.94		33.364
322.		33.373
322.01		33.375
322.02		33.377
322.05		33.381
322.14		33.395
322.24	24.005	33.41
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322.54		33.456
322.64		33.471
322.74	24.006	33.487
322.84		33.502
322.94		33.517
323.		33.527
323.01		33.528
323.02		33.53
323.05		33.534
323.14		33.548
323.24	24.007	33.564
323.34		33.579
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323.54		33.61
323.64		33.625
323.74		33.641
323.84	24.008	33.656
323.94		33.671
324.		33.681
324.01		33.682
324.02		33.684
324.05		33.688
324.14		33.702
324.24		33.718
324.34		33.733

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324.54		33.764
324.64		33.78
324.74		33.795
324.84	24.01	33.811
324.94		33.826
325.		33.836
325.01		33.837
325.02		33.839
325.05		33.843
325.14		33.857
325.24		33.873
325.34		33.888
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326.		33.991
326.01		33.993
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326.94		34.139
327.	24.014	34.148
327.01		34.15
327.02		34.151
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327.24		34.186
327.34		34.201
327.44		34.217
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327.74		34.265
327.84		34.28
327.94		34.296
328.	24.016	34.306
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328.02		34.309
328.05		34.314
328.14		34.328
328.24		34.344
328.34		34.36
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329.02		34.468
329.05	24.018	34.473
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329.74		34.584
329.84		34.601
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330.		34.627
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330.02		34.63
330.05	24.02	34.635
330.14		34.649
330.24		34.666
330.34		34.682
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331.01		34.792
331.02		34.794
331.05		34.799
331.14	24.022	34.814
331.24		34.83
331.34		34.847
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331.54		34.88
331.64	24.023	34.897
331.74		34.914
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331.94		34.948
332.		34.958
332.01		34.96
332.02		34.962
332.05	24.024	34.967
332.14		34.982
332.24		34.999
332.34		35.017
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332.54	24.025	35.051
332.64		35.069
332.74		35.086
332.84		35.104
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333.	24.026	35.132
333.01		35.133
333.02		35.135
333.05		35.141
333.14		35.156
333.24		35.174
333.34		35.192
333.44		35.21
333.54	24.027	35.227
333.64		35.245

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333.84		35.281
333.94	24.028	35.299
334.		35.31
334.01		35.312
334.02		35.314
334.05		35.319
334.14		35.336
334.24		35.354
334.34		35.372
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334.64		35.427
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334.84	24.03	35.464
334.94		35.483
335.		35.494
335.01		35.496
335.02		35.498
335.05		35.503
335.14		35.52
335.24		35.539
335.34	24.031	35.558
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335.54		35.596
335.64		35.615
335.74	24.032	35.634
335.84		35.654
335.94		35.673
336.		35.685
336.01		35.686
336.02		35.688
336.05		35.694
336.14	24.033	35.712
336.24		35.731
336.34		35.751
336.44		35.771
336.54		35.79
336.64	24.034	35.81
336.74		35.83
336.84		35.85
336.94		35.87
337.	24.035	35.882
337.01		35.884
337.02		35.886
337.05		35.893
337.14		35.911
337.24		35.931
337.34		35.951
337.44	24.036	35.972
337.54		35.992
337.64		36.013
337.74		36.034
337.84	24.037	36.055
337.94		36.075
338.		36.088
338.01		36.09
338.02		36.092
338.05		36.099
338.14		36.117

338.24	24.038	36.139
338.34		36.16
338.44		36.181
338.54		36.203
338.64	24.039	36.224
338.74		36.246
338.84		36.268
338.94		36.289
339.	24.04	36.303
339.01		36.305
339.02		36.307
339.05		36.314
339.14		36.333
339.24		36.355
339.34	24.041	36.378
339.44		36.4
339.54		36.422
339.64		36.445
339.74	24.042	36.467
339.84		36.49
339.94		36.513
340.		36.526
340.01		36.529
340.02		36.531
340.05		36.538
340.14	24.043	36.558
340.24		36.581
340.34		36.604
340.44	24.044	36.628
340.54		36.651
340.64		36.674
340.74		36.697
340.84	24.045	36.721
340.94		36.744
341.		36.759
341.01		36.761
341.02		36.763
341.05		36.771
341.14	24.046	36.792
341.24		36.816
341.34		36.84
341.44		36.863
341.54	24.047	36.888
341.64		36.912
341.74		36.936
341.84	24.048	36.96
341.94		36.985
342.		37.
342.01		37.002
342.02		37.004
342.05		37.012
342.14		37.034
342.24	24.049	37.059
342.34		37.084
342.44		37.108
342.54	24.05	37.133
342.64		37.159
342.74		37.184
342.84		37.209
342.94		37.235

343.	24.051	37.25
343.01		37.252
343.02		37.255
343.05		37.263
343.14	24.052	37.286
343.24		37.312
343.34		37.338
343.44		37.364
343.54	24.053	37.39
343.64		37.416
343.74		37.442
343.84	24.054	37.469
343.94		37.496
344.		37.512
344.01		37.514
344.02		37.517
344.05		37.525
344.14	24.055	37.549
344.24		37.577
344.34		37.604
344.44	24.056	37.631
344.54		37.659
344.64		37.686
344.74	24.057	37.714
344.84		37.742
344.94		37.77
345.	24.058	37.787
345.01		37.79
345.02		37.793
345.05		37.802
345.14		37.827
345.24		37.856
345.34	24.059	37.884
345.44		37.913
345.54		37.942
345.64	24.06	37.971
345.74		38.001
345.84	24.061	38.03
345.94		38.059
346.		38.077
346.01		38.08
346.02		38.083
346.05		38.092
346.14	24.062	38.119
346.24		38.149
346.34		38.179
346.44	24.063	38.209
346.54		38.24
346.64		38.27
346.74	24.064	38.301
346.84		38.332
346.94	24.065	38.363
347.		38.382
347.01		38.385
347.02		38.388
347.05		38.397
347.14		38.426
347.24	24.066	38.457
347.34		38.489
347.44		38.521

347.54	24.067	38.552
347.64		38.584
347.74	24.068	38.617
347.84		38.649
347.94		38.681
348.	24.069	38.701
348.01		38.704
348.02		38.708
348.05		38.717
348.14		38.747
348.24	24.07	38.78
348.34		38.813
348.44		38.846
348.54	24.071	38.879
348.64		38.913
348.74	24.072	38.946
348.84		38.98
348.94	24.073	39.014
349.		39.034
349.01		39.038
349.02		39.041
349.05		39.051
349.14		39.082
349.24	24.074	39.117
349.34		39.151
349.44	24.075	39.186
349.54		39.22
349.64		39.255
349.74	24.076	39.29
349.84		39.326
349.94	24.077	39.361
350.		39.383
350.01		39.386
350.02		39.39
350.05		39.4
350.14	24.078	39.433
350.24		39.468
350.34		39.504
350.44	24.079	39.541
350.54		39.577
350.64	24.08	39.614
350.74		39.65
350.84	24.081	39.687
350.94		39.724
351.		39.746
351.01		39.75
351.02	24.082	39.754
351.05		39.765
351.14		39.799
351.24	24.083	39.836
351.34		39.874
351.44		39.912
351.54	24.084	39.95
351.64		39.988
351.74	24.085	40.026
351.84		40.065
351.94	24.086	40.103
352.		40.127
352.01		40.13
352.02		40.134

352.05		40.146
352.14	24.087	40.181
352.24		40.22
352.34	24.088	40.259
352.44		40.299
352.54	24.089	40.338
352.64		40.378
352.74	24.09	40.418
352.84		40.458
352.94	24.091	40.498
353.		40.522
353.01		40.526
353.02		40.53
353.05		40.542
353.14	24.092	40.579
353.24		40.62
353.34	24.093	40.66
353.44		40.701
353.54	24.094	40.742
353.64		40.784
353.74	24.095	40.825
353.84		40.867
353.94	24.096	40.909
354.		40.934
354.01		40.938
354.02		40.942
354.05		40.955
354.14	24.097	40.993
354.24		41.035
354.34	24.098	41.077
354.44		41.12
354.54	24.099	41.163
354.64		41.206
354.74	24.1	41.249
354.84		41.292
354.94	24.101	41.335
355.		41.361
355.01		41.366
355.02		41.37
355.05		41.383
355.14	24.102	41.423
355.24		41.466
355.34	24.103	41.51
355.44		41.555
355.54	24.104	41.599
355.64		41.643
355.74	24.105	41.688
355.84	24.106	41.733
355.94		41.778
356.		41.805
356.01		41.809
356.02	24.107	41.814
356.05		41.827
356.14		41.868
356.24	24.108	41.913
356.34		41.959
356.44	24.109	42.005
356.54		42.051
356.64	24.11	42.096
356.74	24.111	42.143

356.84		42.189
356.94	24.112	42.235
357.		42.263
357.01		42.268
357.02		42.273
357.05		42.287
357.14	24.113	42.329
357.24		42.376
357.34	24.114	42.423
357.44	24.115	42.47
357.54		42.517
357.64	24.116	42.565
357.74		42.612
357.84	24.117	42.66
357.94		42.708
358.	24.118	42.737
358.01		42.742
358.02		42.747
358.05		42.761
358.14	24.119	42.805
358.24		42.853
358.34	24.12	42.902
358.44		42.951
358.54	24.121	43.
358.64	24.122	43.049
358.74		43.099
358.84	24.123	43.148
358.94		43.198
359.	24.124	43.228
359.01		43.233
359.02		43.238
359.05		43.253
359.14	24.125	43.298
359.24		43.349
359.34	24.126	43.399
359.44		43.45
359.54	24.127	43.501
359.64	24.128	43.552
359.74		43.603
359.84	24.129	43.655
359.94	24.13	43.707
360.		43.738
360.01		43.743
360.02		43.748
360.05		43.764
360.14	24.131	43.811
360.24		43.863
360.34	24.132	43.916
360.44	24.133	43.968
360.54		44.021
360.64	24.134	44.074
360.74	24.135	44.128
360.84		44.181
360.94	24.136	44.235
361.		44.268
361.01		44.273
361.02	24.137	44.278
361.05		44.295
361.14		44.343
361.24	24.138	44.398

361.34	24.139	44.452
361.44		44.507
361.54	24.14	44.562
361.64	24.141	44.617
361.74		44.672
361.84	24.142	44.727
361.94	24.143	44.782
362.		44.816
362.01		44.821
362.02		44.827
362.05		44.844
362.14	24.144	44.894
362.24	24.145	44.95
362.34		45.006
362.44	24.146	45.062
362.54	24.147	45.119
362.64		45.175
362.74	24.148	45.232
362.84	24.149	45.289
362.94	24.15	45.346
363.		45.38
363.01		45.386
363.02		45.392
363.05		45.409
363.14	24.151	45.46
363.24	24.152	45.518
363.34		45.575
363.44	24.153	45.633
363.54	24.154	45.691
363.64	24.155	45.749
363.74		45.807
363.84	24.156	45.865
363.94	24.157	45.924
364.		45.959
364.01		45.965
364.02		45.971
364.05		45.988
364.14	24.158	46.041
364.24	24.159	46.1
364.34	24.16	46.159
364.44		46.218
364.54	24.161	46.277
364.64	24.162	46.337
364.74		46.396
364.84	24.163	46.456
364.94	24.164	46.516
365.		46.552
365.01		46.558
365.02		46.564
365.05	24.165	46.582
365.14		46.636
365.24	24.166	46.696
365.34	24.167	46.757
365.44	24.168	46.817
365.54		46.878
365.64	24.169	46.939
365.74	24.17	47.
365.84	24.171	47.061
365.94		47.122
366.		47.159

366.01	24.172	47.165
366.02		47.171
366.05		47.19
366.14	24.173	47.245
366.24	24.174	47.307
366.34		47.369
366.44	24.175	47.431
366.54	24.176	47.493
366.64	24.177	47.555
366.74		47.617
366.84	24.178	47.68
366.94	24.179	47.742
367.		47.78
367.01	24.18	47.786
367.02		47.793
367.05		47.811
367.14	24.181	47.868
367.24		47.931
367.34	24.182	47.994
367.44	24.183	48.057
367.54	24.184	48.12
367.64		48.184
367.74	24.185	48.247
367.84	24.186	48.311
367.94	24.187	48.375
368.		48.413
368.01		48.42
368.02		48.426
368.05	24.188	48.445
368.14		48.503
368.24	24.189	48.567
368.34	24.19	48.632
368.44	24.191	48.696
368.54	24.192	48.761
368.64		48.825
368.74	24.193	48.89
368.84	24.194	48.955
368.94	24.195	49.02
369.		49.059
369.01		49.066
369.02		49.072
369.05	24.196	49.092
369.14		49.15
369.24	24.197	49.216
369.34	24.198	49.281
369.44	24.199	49.347
369.54	24.2	49.412
369.64		49.478
369.74	24.201	49.544
369.84	24.202	49.61
369.94	24.203	49.676
370.		49.716
370.01		49.722
370.02	24.204	49.729
370.05		49.749
370.14		49.809
370.24	24.205	49.875
370.34	24.206	49.941
370.44	24.207	50.008
370.54	24.208	50.075

370.64	24.209	50.142
370.74		50.209
370.84	24.21	50.276
370.94	24.211	50.343
371.	24.212	50.383
371.01		50.39
371.02		50.397
371.05		50.417
371.14	24.213	50.478
371.24	24.214	50.545
371.34		50.613
371.44	24.215	50.68
371.54	24.216	50.748
371.64	24.217	50.816
371.74	24.218	50.884
371.84	24.219	50.952
371.94	24.22	51.02
372.		51.061
372.01		51.068
372.02		51.074
372.05		51.095
372.14	24.221	51.156
372.24	24.222	51.225
372.34	24.223	51.293
372.44	24.224	51.362
372.54	24.225	51.43
372.64		51.499
372.74	24.226	51.568
372.84	24.227	51.637
372.94	24.228	51.706
373.	24.229	51.748
373.01		51.755
373.02		51.762
373.05		51.782
373.14	24.23	51.845
373.24	24.231	51.914
373.34	24.232	51.984
373.44		52.053
373.54	24.233	52.123
373.64	24.234	52.193
373.74	24.235	52.262
373.84	24.236	52.332
373.94	24.237	52.402
374.		52.445
374.01		52.452
374.02		52.459
374.05	24.238	52.48
374.14	24.239	52.543
374.24		52.613
374.34	24.24	52.684
374.44	24.241	52.754
374.54	24.242	52.825
374.64	24.243	52.895
374.74	24.244	52.966
374.84	24.245	53.037
374.94	24.246	53.108
375.		53.15
375.01		53.157
375.02		53.165
375.05	24.247	53.186

375.14		53.25
375.24	24.248	53.321
375.34	24.249	53.392
375.44	24.25	53.463
375.54	24.251	53.535
375.64	24.252	53.606
375.74	24.253	53.678
375.84	24.254	53.749
375.94		53.821
376.	24.255	53.864
376.01		53.871
376.02		53.878
376.05		53.9
376.14	24.256	53.964
376.24	24.257	54.036
376.34	24.258	54.108
376.44	24.259	54.18
376.54	24.26	54.252
376.64	24.261	54.325
376.74	24.262	54.397
376.84	24.263	54.469
376.94	24.264	54.542
377.		54.585
377.01		54.593
377.02		54.6
377.05	24.265	54.622
377.14		54.687
377.24	24.266	54.76
377.34	24.267	54.833
377.44	24.268	54.906
377.54	24.269	54.979
377.64	24.27	55.052
377.74	24.271	55.125
377.84	24.272	55.199
377.94	24.273	55.272
378.		55.316
378.01		55.324
378.02		55.331
378.05	24.274	55.353
378.14	24.275	55.419
378.24		55.493
378.34	24.276	55.567
378.44	24.277	55.641
378.54	24.278	55.715
378.64	24.279	55.789
378.74	24.28	55.864
378.84	24.281	55.938
378.94	24.282	56.012
379.	24.283	56.057
379.01		56.065
379.02		56.072
379.05		56.095
379.14	24.284	56.162
379.24	24.285	56.236
379.34	24.286	56.311
379.44	24.287	56.386
379.54	24.288	56.461
379.64	24.289	56.536
379.74	24.29	56.612
379.84	24.291	56.687

379.94		56.762
380.	24.292	56.807
380.01		56.815
380.02		56.823
380.05		56.845
380.14	24.293	56.913
380.24	24.294	56.989
380.34	24.295	57.064
380.44	24.296	57.14
380.54	24.297	57.216
380.64	24.298	57.292
380.74	24.299	57.368
380.84	24.3	57.444
380.94	24.301	57.521
381.	24.302	57.566
381.01		57.574
381.02		57.582
381.05		57.605
381.14	24.303	57.673
381.24	24.304	57.75
381.34	24.305	57.827
381.44	24.306	57.903
381.54	24.307	57.98
381.64	24.308	58.057
381.74	24.309	58.134
381.84	24.31	58.211
381.94	24.311	58.288
382.		58.334
382.01		58.342
382.02		58.349
382.05	24.312	58.373
382.14	24.313	58.442
382.24	24.314	58.519
382.34	24.315	58.597
382.44	24.316	58.674
382.54	24.317	58.751
382.64	24.318	58.829
382.74	24.319	58.906
382.84	24.32	58.984
382.94	24.321	59.062
383.		59.108
383.01		59.116
383.02		59.124
383.05	24.322	59.147
383.14		59.217
383.24	24.323	59.295
383.34	24.324	59.373
383.44	24.325	59.451
383.54	24.326	59.529
383.64	24.327	59.607
383.74	24.328	59.685
383.84	24.329	59.763
383.94	24.33	59.842
384.	24.331	59.889
384.01		59.897
384.02		59.905
384.05		59.928
384.14	24.332	59.999
384.24	24.333	60.077
384.34	24.334	60.156

384.44	24.335	60.234
384.54	24.336	60.313
384.64	24.337	60.392
384.74	24.338	60.471
384.84	24.339	60.549
384.94	24.34	60.628
385.	24.341	60.676
385.01		60.684
385.02		60.691
385.05		60.715
385.14	24.342	60.786
385.24	24.343	60.865
385.34	24.344	60.944
385.44	24.345	61.024
385.54	24.346	61.103
385.64	24.347	61.182
385.74	24.348	61.262
385.84	24.349	61.341
385.94	24.35	61.421
386.	24.351	61.468
386.01		61.476
386.02		61.484
386.05	24.352	61.508
386.14		61.58
386.24	24.353	61.659
386.34	24.355	61.739
386.44	24.356	61.819
386.54	24.357	61.899
386.64	24.358	61.979
386.74	24.359	62.059
386.84	24.36	62.139
386.94	24.361	62.219
387.		62.267
387.01		62.275
387.02		62.283
387.05	24.362	62.307
387.14	24.363	62.38
387.24	24.364	62.46
387.34	24.365	62.54
387.44	24.366	62.621
387.54	24.367	62.701
387.64	24.368	62.782
387.74	24.369	62.863
387.84	24.37	62.943
387.94	24.371	63.024
388.	24.372	63.073
388.01		63.081
388.02		63.089
388.05		63.113
388.14	24.373	63.186
388.24	24.374	63.267
388.34	24.375	63.348
388.44	24.376	63.429
388.54	24.377	63.51
388.64	24.378	63.591
388.74	24.379	63.672
388.84	24.38	63.753
388.94	24.381	63.835
389.	24.382	63.883
389.01		63.892

389.02		63.9
389.05		63.924
389.14	24.383	63.997
389.24	24.384	64.079
389.34	24.385	64.16
389.44	24.386	64.242
389.54	24.387	64.323
389.64	24.389	64.405
389.74	24.39	64.487
389.84	24.391	64.568
389.94		64.65
390.	24.392	64.699
390.01		64.708
390.02	24.393	64.716
390.05		64.74
390.14	24.394	64.814
390.24	24.395	64.896
390.34	24.396	64.978
390.44	24.397	65.06
390.54	24.398	65.142
390.64	24.399	65.225
390.74	24.4	65.307
390.84	24.401	65.389
390.94	24.402	65.471
391.		65.521
391.01	24.403	65.529
391.02		65.537
391.05		65.562
391.14	24.404	65.636
391.24	24.405	65.719
391.34	24.406	65.801
391.44	24.407	65.884
391.54	24.409	65.967
391.64	24.41	66.05
391.74	24.411	66.132
391.84	24.412	66.215
391.94	24.413	66.298
392.		66.348
392.01		66.356
392.02	24.414	66.365
392.05		66.389
392.14	24.415	66.464
392.24	24.416	66.547
392.34	24.417	66.63
392.44	24.418	66.714
392.54	24.419	66.797
392.64	24.42	66.88
392.74	24.421	66.963
392.84	24.422	67.047
392.94	24.423	67.13
393.		67.181
393.01	24.424	67.189
393.02		67.197
393.05	24.425	67.222
393.14	24.426	67.298
393.24	24.427	67.381
393.34	24.428	67.465
393.44	24.429	67.549
393.54	24.43	67.633
393.64	24.431	67.717

393.74	24.432	67.801
393.84	24.433	67.886
393.94	24.434	67.97
394.	24.435	68.021
394.01		68.029
394.02		68.038
394.05		68.063
394.14	24.436	68.139
394.24	24.438	68.224
394.34	24.439	68.308
394.44	24.44	68.393
394.54	24.441	68.478
394.64	24.442	68.563
394.74	24.443	68.648
394.84	24.444	68.733
394.94	24.445	68.818
395.	24.446	68.869
395.01		68.877
395.02		68.886
395.05		68.911
395.14	24.447	68.988
395.24	24.448	69.073
395.34	24.45	69.158
395.44	24.451	69.244
395.54	24.452	69.329
395.64	24.453	69.414
395.74	24.454	69.5
395.84	24.455	69.585
395.94	24.456	69.671
396.	24.457	69.722
396.01		69.731
396.02		69.739
396.05		69.765
396.14	24.458	69.842
396.24	24.459	69.927
396.34	24.461	70.013
396.44	24.462	70.098
396.54	24.463	70.184
396.64	24.464	70.27
396.74	24.465	70.355
396.84	24.466	70.441
396.94	24.467	70.527
397.	24.468	70.579
397.01		70.587
397.02		70.596
397.05		70.622
397.14	24.469	70.699
397.24	24.471	70.785
397.34	24.472	70.871
397.44	24.473	70.957
397.54	24.474	71.044
397.64	24.475	71.13
397.74	24.476	71.217
397.84	24.477	71.303
397.94	24.478	71.39
398.	24.479	71.442
398.01		71.451
398.02		71.459
398.05	24.48	71.485
398.14	24.481	71.564

398.24	24.482	71.65
398.34	24.483	71.737
398.44	24.484	71.824
398.54	24.485	71.911
398.64	24.486	71.999
398.74	24.487	72.086
398.84	24.488	72.173
398.94	24.49	72.26
399.		72.313
399.01		72.321
399.02		72.33
399.05	24.491	72.356
399.14	24.492	72.435
399.24	24.493	72.522
399.34	24.494	72.61
399.44	24.495	72.697
399.54	24.496	72.784
399.64	24.497	72.872
399.74	24.499	72.959
399.84	24.5	73.047
399.94	24.501	73.135
400.		73.187
400.01	24.502	73.196
400.02		73.205
400.05		73.231
400.14	24.503	73.31
400.24	24.504	73.398
400.34	24.505	73.485
400.44	24.506	73.573
400.54	24.508	73.661
400.64	24.509	73.749
400.74	24.51	73.837
400.84	24.511	73.924
400.94	24.512	74.012
401.	24.513	74.065
401.01		74.074
401.02		74.083
401.05		74.109
401.14	24.514	74.188
401.24	24.515	74.276
401.34	24.517	74.365
401.44	24.518	74.453
401.54	24.519	74.541
401.64	24.52	74.629
401.74	24.521	74.717
401.84	24.522	74.805
401.94	24.523	74.893
402.	24.524	74.946
402.01		74.955
402.02		74.964
402.05	24.525	74.991
402.14	24.526	75.07
402.24	24.527	75.158
402.34	24.528	75.246
402.44	24.529	75.335
402.54	24.53	75.423
402.64	24.531	75.512
402.74	24.532	75.6
402.84	24.534	75.688
402.94	24.535	75.777

403.		75.83
403.01	24.536	75.839
403.02		75.848
403.05		75.874
403.14	24.537	75.954
403.24	24.538	76.042
403.34	24.539	76.131
403.44	24.54	76.219
403.54	24.542	76.308
403.64	24.543	76.396
403.74	24.544	76.485
403.84	24.545	76.573
403.94	24.546	76.662
404.	24.547	76.715
404.01		76.724
404.02		76.733
404.05		76.76
404.14	24.548	76.839
404.24	24.55	76.928
404.34	24.551	77.017
404.44	24.552	77.105
404.54	24.553	77.194
404.64	24.554	77.283
404.74	24.555	77.371
404.84	24.556	77.46
404.94	24.558	77.549
405.		77.602
405.01		77.611
405.02		77.62
405.05	24.559	77.646
405.14	24.56	77.726
405.24	24.561	77.815
405.34	24.562	77.903
405.44	24.563	77.992
405.54	24.564	78.081
405.64	24.566	78.17
405.74	24.567	78.258
405.84	24.568	78.347
405.94	24.569	78.436
406.	24.57	78.489
406.01		78.498
406.02		78.507
406.05		78.534
406.14	24.571	78.614
406.24	24.572	78.703
406.34	24.574	78.791
406.44	24.575	78.88
406.54	24.576	78.969
406.64	24.577	79.058
406.74	24.578	79.147
406.84	24.579	79.236
406.94	24.58	79.325
407.	24.581	79.378
407.01		79.387
407.02		79.396
407.05	24.582	79.423
407.14	24.583	79.503
407.24	24.584	79.592
407.34	24.585	79.681
407.44	24.586	79.77

407.54	24.587	79.859
407.64	24.589	79.948
407.74	24.59	80.037
407.84	24.591	80.126
407.94	24.592	80.215
408.	24.593	80.268
408.01		80.277
408.02		80.286
408.05		80.313
408.14	24.594	80.393
408.24	24.595	80.482
408.34	24.597	80.571
408.44	24.598	80.66
408.54	24.599	80.749
408.64	24.6	80.838
408.74	24.601	80.927
408.84	24.602	81.017
408.94	24.604	81.106
409.		81.159
409.01		81.168
409.02		81.177
409.05	24.605	81.204
409.14	24.606	81.284
409.24	24.607	81.373
409.34	24.608	81.462
409.44	24.609	81.551
409.54	24.61	81.641
409.64	24.612	81.73
409.74	24.613	81.819
409.84	24.614	81.908
409.94	24.615	81.997
410.	24.616	82.051
410.01		82.06
410.02		82.069
410.05		82.095
410.14	24.617	82.176
410.24	24.619	82.265
410.34	24.62	82.354
410.44	24.621	82.444
410.54	24.622	82.533
410.64	24.623	82.622
410.74	24.624	82.712
410.84	24.626	82.801
410.94	24.627	82.89
411.		82.944
411.01	24.628	82.953
411.02		82.962
411.05		82.989
411.14	24.629	83.069
411.24	24.63	83.159
411.34	24.631	83.248
411.44	24.633	83.338
411.54	24.634	83.427
411.64	24.635	83.517
411.74	24.636	83.606
411.84	24.637	83.696
411.94	24.638	83.785
412.	24.639	83.839
412.01		83.848
412.02		83.857

412.05	24.64	83.884
412.14	24.641	83.965
412.24	24.642	84.054
412.34	24.643	84.144
412.44	24.644	84.233
412.54	24.645	84.323
412.64	24.646	84.413
412.74	24.648	84.502
412.84	24.649	84.592
412.94	24.65	84.682
413.	24.651	84.736
413.01		84.745
413.02		84.754
413.05		84.78
413.14	24.652	84.861
413.24	24.653	84.951
413.34	24.655	85.041
413.44	24.656	85.13
413.54	24.657	85.22
413.64	24.658	85.31
413.74	24.659	85.4
413.84	24.661	85.489
413.94	24.662	85.579
414.		85.633
414.01		85.642
414.02	24.663	85.651
414.05		85.678
414.14	24.664	85.759
414.24	24.665	85.848
414.34	24.666	85.938
414.44	24.668	86.028
414.54	24.669	86.118
414.64	24.67	86.208
414.74	24.671	86.298
414.84	24.672	86.388
414.94	24.673	86.477
415.	24.674	86.531
415.01		86.54
415.02		86.549
415.05	24.675	86.576
415.14	24.676	86.657
415.24	24.677	86.747
415.34	24.678	86.838
415.44	24.679	86.928
415.54	24.68	87.018
415.64	24.682	87.108
415.74	24.683	87.198
415.84	24.684	87.288
415.94	24.685	87.379
416.	24.686	87.433
416.01		87.442
416.02		87.451
416.05		87.478
416.14	24.688	87.56
416.24	24.689	87.65
416.34	24.69	87.74
416.44	24.691	87.831
416.54	24.692	87.921
416.64	24.693	88.012
416.74	24.695	88.103

416.84	24.696	88.193
416.94	24.697	88.284
417.	24.698	88.338
417.01		88.347
417.02		88.356
417.05		88.384
417.14	24.699	88.465
417.24	24.701	88.556
417.34	24.702	88.647
417.44	24.703	88.737
417.54	24.704	88.828
417.64	24.705	88.919
417.74	24.706	89.009
417.84	24.708	89.1
417.94	24.709	89.191
418.	24.71	89.245
418.01		89.254
418.02		89.264
418.05		89.291
418.14	24.711	89.372
418.24	24.712	89.463
418.34	24.714	89.554
418.44	24.715	89.645
418.54	24.716	89.735
418.64	24.717	89.826
418.74	24.718	89.917
418.84	24.72	90.008
418.94	24.721	90.099
419.		90.153
419.01	24.722	90.162
419.02		90.171
419.05		90.198
419.14	24.723	90.28
419.24	24.724	90.371
419.34	24.725	90.462
419.44	24.727	90.552
419.54	24.728	90.643
419.64	24.729	90.734
419.74	24.73	90.825
419.84	24.731	90.916
419.94	24.733	91.007
420.		91.061
420.01		91.07
420.02	24.734	91.079
420.05		91.107
420.14	24.735	91.188
420.24	24.736	91.279
420.34	24.737	91.37
420.44	24.739	91.461
420.54	24.74	91.552
420.64	24.741	91.643
420.74	24.742	91.734
420.84	24.743	91.825
420.94	24.745	91.916
421.		91.971
421.01		91.98
421.02		91.989
421.05	24.746	92.017
421.14	24.747	92.099
421.24	24.748	92.19

421.34	24.749	92.281
421.44	24.751	92.372
421.54	24.752	92.463
421.64	24.753	92.554
421.74	24.754	92.645
421.84	24.755	92.736
421.94	24.757	92.828
422.		92.882
422.01		92.891
422.02		92.901
422.05	24.758	92.928
422.14	24.759	93.01
422.24	24.76	93.101
422.34	24.761	93.192
422.44	24.763	93.283
422.54	24.764	93.374
422.64	24.765	93.465
422.74	24.766	93.556
422.84	24.767	93.647
422.94	24.768	93.739
423.	24.769	93.793
423.01		93.802
423.02		93.811
423.05	24.77	93.839
423.14	24.771	93.921
423.24	24.772	94.012
423.34	24.773	94.103
423.44	24.774	94.194
423.54	24.776	94.285
423.64	24.777	94.376
423.74	24.778	94.467
423.84	24.779	94.558
423.94	24.78	94.649
424.	24.781	94.704
424.01		94.713
424.02		94.722
424.05	24.782	94.75
424.14	24.783	94.832
424.24	24.784	94.923
424.34	24.785	95.014
424.44	24.786	95.105
424.54	24.788	95.196
424.64	24.789	95.287
424.74	24.79	95.379
424.84	24.791	95.47
424.94	24.793	95.561
425.		95.616
425.01		95.625
425.02		95.634
425.05	24.794	95.661
425.14	24.795	95.744
425.24	24.796	95.835
425.34	24.797	95.926
425.44	24.799	96.017
425.54	24.8	96.109
425.64	24.801	96.2
425.74	24.802	96.291
425.84	24.803	96.383
425.94	24.805	96.474
426.		96.529

426.01		96.538
426.02	24.806	96.547
426.05		96.574
426.14	24.807	96.657
426.24	24.808	96.748
426.34	24.809	96.84
426.44	24.811	96.931
426.54	24.812	97.022
426.64	24.813	97.114
426.74	24.814	97.205
426.84	24.815	97.297
426.94	24.817	97.388
427.		97.443
427.01		97.452
427.02	24.818	97.461
427.05		97.489
427.14	24.819	97.571
427.24	24.82	97.662
427.34	24.821	97.754
427.44	24.823	97.845
427.54	24.824	97.937
427.64	24.825	98.028
427.74	24.826	98.12
427.84	24.828	98.211
427.94	24.829	98.302
428.		98.357
428.01	24.83	98.366
428.02		98.376
428.05		98.403
428.14	24.831	98.485
428.24	24.832	98.577
428.34	24.834	98.668
428.44	24.835	98.759
428.54	24.836	98.851
428.64	24.837	98.942
428.74	24.838	99.034
428.84	24.84	99.125
428.94	24.841	99.217
429.	24.842	99.271
429.01		99.281
429.02		99.29
429.05		99.317
429.14	24.843	99.399
429.24	24.844	99.491
429.34	24.846	99.582
429.44	24.847	99.674
429.54	24.848	99.765
429.64	24.849	99.857
429.74	24.851	99.948
429.84	24.852	100.04
429.94	24.853	100.13
430.	24.854	100.19
430.01		100.2
430.02		
430.05		100.23
430.14	24.855	100.31
430.24	24.857	100.41
430.34	24.858	100.5
430.44	24.859	100.59
430.54	24.86	100.68

430.64	24.861	100.77
430.74	24.863	100.86
430.84	24.864	100.95
430.94	24.865	101.05
431.	24.866	101.1
431.01		101.11
431.02		101.12
431.05		101.15
431.14	24.868	101.23
431.24	24.869	101.32
431.34	24.87	101.41
431.44	24.871	101.5
431.54	24.872	101.6
431.64	24.874	101.69
431.74	24.875	101.78
431.84	24.876	101.87
431.94	24.877	101.96
432.	24.878	102.02
432.01		102.03
432.02		
432.05	24.879	102.06
432.14	24.88	102.14
432.24	24.881	102.24
432.34	24.882	102.33
432.44	24.883	102.42
432.54	24.885	102.51
432.64	24.886	102.6
432.74	24.887	102.69
432.84	24.888	102.78
432.94	24.889	102.88
433.	24.89	102.93
433.01		102.94
433.02		102.95
433.05	24.891	102.98
433.14	24.892	103.06
433.24	24.893	103.15
433.34	24.894	103.24
433.44	24.896	103.33
433.54	24.897	103.42
433.64	24.898	103.52
433.74	24.899	103.61
433.84	24.9	103.7
433.94	24.902	103.79
434.		103.84
434.01	24.903	103.85
434.02		103.86
434.05		103.89
434.14	24.904	103.97
434.24	24.905	104.06
434.34	24.907	104.15
434.44	24.908	104.25
434.54	24.909	104.34
434.64	24.91	104.43
434.74	24.911	104.52
434.84	24.913	104.61
434.94	24.914	104.7
435.	24.915	104.76
435.01		104.77
435.02		
435.05		104.8

435.14	24.916	104.88
435.24	24.918	104.98
435.34	24.919	105.07
435.44	24.92	105.16
435.54	24.921	105.25
435.64	24.922	105.34
435.74	24.924	105.43
435.84	24.925	105.52
435.94	24.926	105.61
436.	24.927	105.67
436.01		105.68
436.02		105.69
436.05		105.71
436.14	24.928	105.79
436.24	24.93	105.89
436.34	24.931	105.98
436.44	24.932	106.07
436.54	24.933	106.16
436.64	24.935	106.25
436.74	24.936	106.34
436.84	24.937	106.43
436.94	24.938	106.52
437.	24.939	106.58
437.01		106.59
437.02		106.6
437.05	24.94	106.62
437.14	24.941	106.71
437.24	24.942	106.8
437.34	24.943	106.89
437.44	24.944	106.98
437.54	24.946	107.07
437.64	24.947	107.16
437.74	24.948	107.25
437.84	24.949	107.34
437.94	24.95	107.43
438.	24.951	107.49
438.01		107.5
438.02		107.51
438.05	24.952	107.53
438.14	24.953	107.61
438.24	24.954	107.71
438.34	24.955	107.8
438.44	24.957	107.89
438.54	24.958	107.98
438.64	24.959	108.07
438.74	24.96	108.16
438.84	24.961	108.25
438.94	24.963	108.34
439.		108.4
439.01		
439.02	24.964	108.41
439.05		108.44
439.14	24.965	108.52
439.24	24.966	108.61
439.34	24.967	108.7
439.44	24.969	108.79
439.54	24.97	108.88
439.64	24.971	108.98
439.74	24.972	109.07
439.84	24.974	109.16

439.94	24.975	109.25
440.	24.976	109.3
440.01		109.31
440.02		109.32
440.05		109.35
440.14	24.977	109.43
440.24	24.978	109.52
440.34	24.98	109.61
440.44	24.981	109.7
440.54	24.982	109.79
440.64	24.983	109.88
440.74	24.985	109.97
440.84	24.986	110.06
440.94	24.987	110.15
441.	24.988	110.2
441.01		110.21
441.02		110.22
441.05		110.25
441.14	24.989	110.33
441.24	24.991	110.42
441.34	24.992	110.51
441.44	24.993	110.6
441.54	24.994	110.69
441.64	24.995	110.78
441.74	24.997	110.87
441.84	24.998	110.96
441.94	24.999	111.05
442.	25.	111.11
442.01		
442.02		111.12
442.05		111.15
442.14	25.002	111.23
442.24	25.003	111.32
442.34	25.004	111.41
442.44	25.005	111.5
442.54	25.006	111.59
442.64	25.008	111.68
442.74	25.009	111.77
442.84	25.01	111.86
442.94	25.011	111.95
443.	25.012	112.
443.01		112.01
443.02		112.02
443.05	25.013	112.05
443.14	25.014	112.13
443.24	25.015	112.22
443.34	25.016	112.31
443.44	25.017	112.4
443.54	25.018	112.49
443.64	25.02	112.58
443.74	25.021	112.67
443.84	25.022	112.75
443.94	25.023	112.84
444.	25.024	112.9
444.01		112.91
444.02		112.92
444.05	25.025	112.94
444.14	25.026	113.02
444.24	25.027	113.11
444.34	25.028	113.2

444.44	25.029	113.29
444.54	25.031	113.38
444.64	25.032	113.47
444.74	25.033	113.56
444.84	25.034	113.65
444.94	25.035	113.74
445.	25.036	113.79
445.01		113.8
445.02		113.81
445.05	25.037	113.83
445.14	25.038	113.91
445.24	25.039	114.
445.34	25.04	114.09
445.44	25.041	114.18
445.54	25.043	114.27
445.64	25.044	114.36
445.74	25.045	114.45
445.84	25.046	114.54
445.94	25.047	114.62
446.	25.048	114.68
446.01		114.69
446.02		114.7
446.05	25.049	114.72
446.14	25.05	114.8
446.24	25.051	114.89
446.34	25.052	114.98
446.44	25.053	115.07
446.54	25.055	115.16
446.64	25.056	115.25
446.74	25.057	115.33
446.84	25.058	115.42
446.94	25.059	115.51
447.	25.06	115.56
447.01		115.57
447.02		115.58
447.05	25.061	115.61
447.14	25.062	115.69
447.24	25.063	115.78
447.34	25.064	115.86
447.44	25.065	115.95
447.54	25.067	116.04
447.64	25.068	116.13
447.74	25.069	116.22
447.84	25.07	116.31
447.94	25.072	116.39
448.		116.45
448.01		116.46
448.02		116.47
448.05	25.073	116.49
448.14	25.074	116.57
448.24	25.075	116.66
448.34	25.076	116.75
448.44	25.078	116.84
448.54	25.079	116.92
448.64	25.08	117.01
448.74	25.081	117.1
448.84	25.082	117.19
448.94	25.083	117.28
449.	25.084	117.33
449.01		117.34

449.02		117.35
449.05	25.085	117.37
449.14	25.086	117.45
449.24	25.087	117.54
449.34	25.088	117.63
449.44	25.089	117.71
449.54	25.091	117.8
449.64	25.092	117.89
449.74	25.093	117.98
449.84	25.094	118.06
449.94	25.095	118.15
450.		118.2
450.01	25.096	118.21
450.02		118.22
450.05	25.097	118.25
450.14	25.098	118.33
450.24	25.099	118.41
450.34	25.1	118.5
450.44	25.101	118.59
450.54	25.103	118.68
450.64	25.104	118.76
450.74	25.105	118.85
450.84	25.106	118.94
450.94	25.107	119.03
451.		119.08
451.01	25.108	119.09
451.02		119.1
451.05	25.109	119.12
451.14	25.11	119.2
451.24	25.111	119.29
451.34	25.112	119.38
451.44	25.113	119.46
451.54	25.115	119.55
451.64	25.116	119.64
451.74	25.117	119.72
451.84	25.118	119.81
451.94	25.119	119.9
452.		119.95
452.01	25.12	119.96
452.02		119.97
452.05	25.121	119.99
452.14	25.122	120.07
452.24	25.123	120.16
452.34	25.124	120.25
452.44	25.125	120.33
452.54	25.126	120.42
452.64	25.128	120.51
452.74	25.129	120.59
452.84	25.13	120.68
452.94	25.131	120.77
453.		120.82
453.01	25.132	120.83
453.02		120.84
453.05		120.86
453.14	25.134	120.94
453.24	25.135	121.03
453.34	25.136	121.11
453.44	25.137	121.2
453.54	25.138	121.29
453.64	25.139	121.37

453.74	25.141	121.46
453.84	25.142	121.54
453.94	25.143	121.63
454.	25.144	121.68
454.01		121.69
454.02		121.7
454.05		121.73
454.14	25.145	121.8
454.24	25.147	121.89
454.34	25.148	121.98
454.44	25.149	122.06
454.54	25.15	122.15
454.64	25.151	122.23
454.74	25.153	122.32
454.84	25.154	122.41
454.94	25.155	122.49
455.	25.156	122.54
455.01		122.55
455.02		122.56
455.05		122.59
455.14	25.157	122.66
455.24	25.158	122.75
455.34	25.16	122.83
455.44	25.161	122.92
455.54	25.162	123.01
455.64	25.163	123.09
455.74	25.164	123.18
455.84	25.165	123.26
455.94	25.167	123.35
456.		123.4
456.01		123.41
456.02	25.168	123.42
456.05		123.44
456.14	25.169	123.52
456.24	25.17	123.6
456.34	25.171	123.69
456.44	25.173	123.78
456.54	25.174	123.86
456.64	25.175	123.95
456.74	25.176	124.03
456.84	25.177	124.12
456.94	25.178	124.2
457.	25.179	124.25
457.01		124.26
457.02		124.27
457.05	25.18	124.29
457.14	25.181	124.37
457.24	25.182	124.46
457.34	25.183	124.54
457.44	25.184	124.63
457.54	25.185	124.71
457.64	25.187	124.8
457.74	25.188	124.88
457.84	25.189	124.97
457.94	25.19	125.05
458.	25.191	125.1
458.01		125.11
458.02		125.12
458.05		125.14
458.14	25.192	125.22

458.24	25.194	125.3
458.34	25.195	125.39
458.44	25.196	125.47
458.54	25.197	125.56
458.64	25.198	125.64
458.74	25.199	125.73
458.84	25.201	125.81
458.94	25.202	125.9
459.		125.95
459.01	25.203	
459.02		125.96
459.05		125.99
459.14	25.204	126.06
459.24	25.205	126.15
459.34	25.206	126.23
459.44	25.208	126.32
459.54	25.209	126.4
459.64	25.21	126.48
459.74	25.211	126.57
459.84	25.212	126.65
459.94	25.213	126.74
460.	25.214	126.79
460.01		126.8
460.02		
460.05	25.215	126.83
460.14	25.216	126.9
460.24	25.217	126.99
460.34	25.218	127.07
460.44	25.219	127.16
460.54	25.22	127.24
460.64	25.222	127.32
460.74	25.223	127.41
460.84	25.224	127.49
460.94	25.225	127.57
461.	25.226	127.62
461.01		127.63
461.02		127.64
461.05		127.67
461.14	25.227	127.74
461.24	25.229	127.83
461.34	25.23	127.91
461.44	25.231	127.99
461.54	25.232	128.08
461.64	25.233	128.16
461.74	25.234	128.24
461.84	25.235	128.33
461.94	25.237	128.41
462.		128.46
462.01		128.47
462.02	25.238	128.48
462.05		128.5
462.14	25.239	128.58
462.24	25.24	128.66
462.34	25.241	128.74
462.44	25.242	128.82
462.54	25.244	128.91
462.64	25.245	128.99
462.74	25.246	129.07
462.84	25.247	129.16
462.94	25.248	129.24

463.	25.249	129.29
463.01		129.3
463.02		129.31
463.05		129.33
463.14	25.25	129.41
463.24	25.252	129.49
463.34	25.253	129.57
463.44	25.254	129.65
463.54	25.255	129.74
463.64	25.256	129.82
463.74	25.257	129.9
463.84	25.259	129.98
463.94	25.26	130.07
464.		130.12
464.01		
464.02	25.261	130.13
464.05		130.16
464.14	25.262	130.23
464.24	25.263	130.31
464.34	25.264	130.4
464.44	25.265	130.48
464.54	25.267	130.56
464.64	25.268	130.64
464.74	25.269	130.73
464.84	25.27	130.81
464.94	25.271	130.89
465.	25.272	130.94
465.01		130.95
465.02		130.96
465.05		130.98
465.14	25.273	131.05
465.24	25.275	131.14
465.34	25.276	131.22
465.44	25.277	131.3
465.54	25.278	131.38
465.64	25.279	131.46
465.74	25.28	131.55
465.84	25.281	131.63
465.94	25.283	131.71
466.		131.76
466.01		131.77
466.02		
466.05	25.284	131.8
466.14	25.285	131.87
466.24	25.286	131.95
466.34	25.287	132.04
466.44	25.288	132.12
466.54	25.289	132.2
466.64	25.291	132.28
466.74	25.292	132.36
466.84	25.293	132.44
466.94	25.294	132.53
467.	25.295	132.57
467.01		132.58
467.02		132.59
467.05		132.62
467.14	25.296	132.69
467.24	25.297	132.77
467.34	25.299	132.85
467.44	25.3	132.93

467.54	25.301	133.01
467.64	25.302	133.09
467.74	25.303	133.18
467.84	25.304	133.26
467.94	25.305	133.34
468.	25.306	133.39
468.01		
468.02		133.4
468.05	25.307	133.43
468.14	25.308	133.5
468.24	25.309	133.58
468.34	25.31	133.66
468.44	25.311	133.74
468.54	25.312	133.82
468.64	25.313	133.9
468.74	25.314	133.98
468.84	25.315	134.06
468.94	25.317	134.15
469.		134.19
469.01		134.2
469.02	25.318	134.21
469.05		134.23
469.14	25.319	134.31
469.24	25.32	134.39
469.34	25.321	134.47
469.44	25.322	134.55
469.54	25.323	134.63
469.64	25.325	134.71
469.74	25.326	134.79
469.84	25.327	134.87
469.94	25.328	134.95
470.	25.329	135.
470.01		135.01
470.02		
470.05		135.04
470.14	25.33	135.11
470.24	25.331	135.19
470.34	25.332	135.27
470.44	25.334	135.35
470.54	25.335	135.43
470.64	25.336	135.51
470.74	25.337	135.59
470.84	25.338	135.67
470.94	25.339	135.75
471.	25.34	135.8
471.01		135.81
471.02		
471.05		135.84
471.14	25.341	135.91
471.24	25.342	135.99
471.34	25.344	136.07
471.44	25.345	136.15
471.54	25.346	136.23
471.64	25.347	136.31
471.74	25.348	136.39
471.84	25.349	136.47
471.94	25.35	136.55
472.	25.351	136.59
472.01		136.6
472.02		136.61

472.05	25.352	136.63
472.14	25.353	136.7
472.24	25.354	136.78
472.34	25.355	136.86
472.44	25.356	136.94
472.54	25.357	137.02
472.64	25.358	137.1
472.74	25.359	137.18
472.84	25.36	137.26
472.94	25.361	137.34
473.	25.362	137.38
473.01		137.39
473.02		137.4
473.05	25.363	137.42
473.14	25.364	137.49
473.24	25.365	137.57
473.34	25.366	137.65
473.44	25.367	137.73
473.54	25.368	137.81
473.64	25.369	137.89
473.74	25.37	137.97
473.84	25.371	138.05
473.94	25.373	138.12
474.		138.17
474.01		138.18
474.02		138.19
474.05	25.374	138.21
474.14	25.375	138.28
474.24	25.376	138.36
474.34	25.377	138.44
474.44	25.378	138.52
474.54	25.379	138.6
474.64	25.38	138.67
474.74	25.381	138.75
474.84	25.383	138.83
474.94	25.384	138.91
475.		138.95
475.01		138.96
475.02	25.385	138.97
475.05		138.99
475.14	25.386	139.06
475.24	25.387	139.14
475.34	25.388	139.22
475.44	25.389	139.3
475.54	25.39	139.38
475.64	25.391	139.45
475.74	25.392	139.53
475.84	25.394	139.61
475.94	25.395	139.69
476.		139.73
476.01		139.74
476.02	25.396	139.75
476.05		139.77
476.14	25.397	139.84
476.24	25.398	139.92
476.34	25.399	140.
476.44	25.4	140.08
476.54	25.401	140.15
476.64	25.402	140.23
476.74	25.403	140.31

476.84	25.405	140.38
476.94	25.406	140.46
477.		140.51
477.01		140.52
477.02	25.407	
477.05		140.55
477.14	25.408	140.62
477.24	25.409	140.69
477.34	25.41	140.77
477.44	25.411	140.85
477.54	25.412	140.93
477.64	25.413	141.
477.74	25.414	141.08
477.84	25.415	141.16
477.94	25.417	141.23
478.		141.28
478.01		141.29
478.02		141.3
478.05	25.418	141.32
478.14	25.419	141.39
478.24	25.42	141.46
478.34	25.421	141.54
478.44	25.422	141.62
478.54	25.423	141.69
478.64	25.424	141.77
478.74	25.425	141.85
478.84	25.426	141.92
478.94	25.427	142.
479.	25.428	142.05
479.01		
479.02		142.06
479.05	25.429	142.08
479.14	25.43	142.15
479.24	25.431	142.23
479.34	25.432	142.31
479.44	25.433	142.38
479.54	25.434	142.46
479.64	25.435	142.53
479.74	25.436	142.61
479.84	25.437	142.69
479.94	25.438	142.76
480.	25.439	142.81
480.01		142.82
480.02		
480.05	25.44	142.85
480.14		142.92
480.24	25.442	142.99
480.34	25.443	143.07
480.44	25.444	143.14
480.54	25.445	143.22
480.64	25.446	143.3
480.74	25.447	143.37
480.84	25.448	143.45
480.94	25.449	143.52
481.	25.45	143.57
481.01		143.58
481.02		
481.05		143.61
481.14	25.451	143.67
481.24	25.452	143.75

481.34	25.453	143.82
481.44	25.455	143.9
481.54	25.456	143.98
481.64	25.457	144.05
481.74	25.458	144.13
481.84	25.459	144.2
481.94	25.46	144.28
482.	25.461	144.32
482.01		144.33
482.02		144.34
482.05		144.36
482.14	25.462	144.43
482.24	25.463	144.5
482.34	25.464	144.58
482.44	25.465	144.65
482.54	25.466	144.73
482.64	25.467	144.8
482.74	25.468	144.88
482.84	25.47	144.95
482.94	25.471	145.03
483.		145.07
483.01		145.08
483.02		145.09
483.05	25.472	145.11
483.14	25.473	145.18
483.24	25.474	145.25
483.34	25.475	145.33
483.44	25.476	145.4
483.54	25.477	145.48
483.64	25.478	145.55
483.74	25.479	145.63
483.84	25.48	145.7
483.94	25.481	145.78
484.	25.482	145.82
484.01		145.83
484.02		145.84
484.05	25.483	145.86
484.14		145.93
484.24	25.485	146.
484.34	25.486	146.07
484.44	25.487	146.15
484.54	25.488	146.22
484.64	25.489	146.3
484.74	25.49	146.37
484.84	25.491	146.45
484.94	25.492	146.52
485.	25.493	146.56
485.01		146.57
485.02		146.58
485.05		146.6
485.14	25.494	146.67
485.24	25.495	146.74
485.34	25.496	146.82
485.44	25.497	146.89
485.54	25.498	146.96
485.64	25.499	147.04
485.74	25.5	147.11
485.84	25.502	147.19
485.94	25.503	147.26
486.		147.3

486.01		147.31
486.02		147.32
486.05	25.504	147.34
486.14	25.505	147.41
486.24	25.506	147.48
486.34	25.507	147.55
486.44	25.508	147.63
486.54	25.509	147.7
486.64	25.51	147.77
486.74	25.511	147.85
486.84	25.512	147.92
486.94	25.513	148.
487.	25.514	148.04
487.01		148.05
487.02		
487.05		148.08
487.14	25.515	148.14
487.24	25.516	148.22
487.34	25.517	148.29
487.44	25.518	148.36
487.54	25.52	148.43
487.64	25.521	148.51
487.74	25.522	148.58
487.84	25.523	148.65
487.94	25.524	148.73
488.		148.77
488.01		148.78
488.02	25.525	148.79
488.05		148.81
488.14	25.526	148.87
488.24	25.527	148.95
488.34	25.528	149.02
488.44	25.529	149.09
488.54	25.53	149.16
488.64	25.531	149.24
488.74	25.532	149.31
488.84	25.533	149.38
488.94	25.534	149.45
489.	25.535	149.5
489.01		149.51
489.02		
489.05		149.53
489.14	25.536	149.6
489.24	25.537	149.67
489.34	25.538	149.74
489.44	25.539	149.82
489.54	25.541	149.89
489.64	25.542	149.96
489.74	25.543	150.03
489.84	25.544	150.11
489.94	25.545	150.18
490.		150.22
490.01		150.23
490.02	25.546	150.24
490.05		150.26
490.14	25.547	150.32
490.24	25.548	150.39
490.34	25.549	150.47
490.44	25.55	150.54
490.54	25.551	150.61

490.64	25.552	150.68
490.74	25.553	150.75
490.84	25.554	150.83
490.94	25.555	150.9
491.	25.556	150.94
491.01		150.95
491.02		
491.05		150.98
491.14	25.557	151.04
491.24	25.558	151.11
491.34	25.559	151.18
491.44	25.56	151.26
491.54	25.561	151.33
491.64	25.562	151.4
491.74	25.563	151.47
491.84	25.564	151.54
491.94	25.565	151.61
492.	25.566	151.66
492.01		
492.02		151.67
492.05	25.567	151.69
492.14	25.568	151.76
492.24	25.569	151.83
492.34	25.57	151.9
492.44	25.571	151.97
492.54	25.572	152.04
492.64	25.573	152.11
492.74	25.574	152.18
492.84	25.575	152.25
492.94	25.576	152.32
493.		152.37
493.01	25.577	
493.02		152.38
493.05		152.4
493.14	25.578	152.47
493.24	25.579	152.54
493.34	25.58	152.61
493.44	25.581	152.68
493.54	25.582	152.75
493.64	25.583	152.82
493.74	25.584	152.89
493.84	25.585	152.96
493.94	25.586	153.03
494.	25.587	153.07
494.01		153.08
494.02		153.09
494.05		153.11
494.14	25.588	153.17
494.24	25.589	153.24
494.34	25.59	153.31
494.44	25.591	153.38
494.54	25.592	153.45
494.64	25.593	153.52
494.74	25.594	153.59
494.84	25.595	153.67
494.94	25.596	153.74
495.	25.597	153.78
495.01		
495.02		153.79
495.05		153.81

495.14	25.598	153.88
495.24	25.599	153.95
495.34	25.6	154.02
495.44	25.601	154.09
495.54	25.603	154.16
495.64	25.604	154.23
495.74	25.605	154.29
495.84	25.606	154.36
495.94	25.607	154.43
496.		154.48
496.01		
496.02		154.49
496.05	25.608	154.51
496.14	25.609	154.57
496.24	25.61	154.64
496.34	25.611	154.71
496.44	25.612	154.78
496.54	25.613	154.85
496.64	25.614	154.92
496.74	25.615	154.99
496.84	25.616	155.06
496.94	25.617	155.13
497.		155.17
497.01		155.18
497.02	25.618	
497.05		155.21
497.14	25.619	155.27
497.24	25.62	155.34
497.34	25.621	155.41
497.44	25.622	155.48
497.54	25.623	155.54
497.64	25.624	155.61
497.74	25.625	155.68
497.84	25.626	155.75
497.94	25.627	155.82
498.		155.86
498.01	25.628	155.87
498.02		155.88
498.05		155.9
498.14	25.629	155.96
498.24	25.63	156.03
498.34	25.631	156.1
498.44	25.632	156.16
498.54	25.633	156.23
498.64	25.634	156.3
498.74	25.635	156.37
498.84	25.636	156.44
498.94	25.637	156.51
499.	25.638	156.55
499.01		
499.02		156.56
499.05		156.58
499.14	25.639	156.64
499.24	25.64	156.71
499.34	25.641	156.78
499.44	25.642	156.85
499.54	25.643	156.92
499.64	25.644	156.99
499.74	25.645	157.05
499.84	25.646	157.12

499.94	25.647	157.19
500.	25.648	157.23
500.01		157.24
500.02		
500.05		157.26
500.14	25.649	157.33
500.24	25.65	157.39
500.34	25.651	157.46
500.44	25.652	157.53
500.54	25.653	157.6
500.64	25.654	157.66
500.74	25.655	157.73
500.84	25.656	157.8
500.94	25.657	157.87
501.	25.658	157.91
501.01		157.92
501.02		
501.05		157.94
501.14	25.659	158.
501.24	25.66	158.07
501.34	25.661	158.14
501.44	25.662	158.21
501.54	25.663	158.27
501.64	25.664	158.34
501.74	25.665	158.41
501.84	25.666	158.48
501.94	25.667	158.54
502.	25.668	158.58
502.01		158.59
502.02		158.6
502.05		158.62
502.14	25.669	158.68
502.24	25.67	158.74
502.34	25.671	158.81
502.44	25.672	158.88
502.54	25.673	158.94
502.64	25.674	159.01
502.74	25.675	159.08
502.84	25.676	159.15
502.94	25.677	159.21
503.		159.25
503.01	25.678	159.26
503.02		159.27
503.05		159.29
503.14	25.679	159.35
503.24	25.68	159.41
503.34	25.681	159.48
503.44	25.682	159.55
503.54	25.683	159.61
503.64	25.684	159.68
503.74	25.685	159.75
503.84	25.686	159.81
503.94	25.687	159.88
504.		159.92
504.01		
504.02	25.688	159.93
504.05		159.95
504.14	25.689	160.01
504.24	25.69	160.08
504.34	25.691	160.14

504.44	25.692	160.21
504.54	25.693	160.28
504.64	25.694	160.34
504.74	25.695	160.41
504.84	25.696	160.47
504.94	25.697	160.54
505.		160.58
505.01		160.59
505.02		
505.05	25.698	160.61
505.14	25.699	160.67
505.24	25.7	160.74
505.34	25.701	160.8
505.44	25.702	160.87
505.54		160.93
505.64	25.703	161.
505.74	25.704	161.07
505.84	25.705	161.13
505.94	25.706	161.2
506.	25.707	161.24
506.01		
506.02		161.25
506.05		161.27
506.14	25.708	161.33
506.24	25.709	161.39
506.34	25.71	161.46
506.44	25.711	161.52
506.54	25.712	161.59
506.64	25.713	161.65
506.74	25.714	161.72
506.84	25.715	161.78
506.94	25.716	161.85
507.	25.717	161.89
507.01		
507.02		161.9
507.05		161.92
507.14	25.718	161.98
507.24	25.719	162.04
507.34	25.72	162.11
507.44	25.721	162.17
507.54	25.722	162.24
507.64	25.723	162.3
507.74	25.724	162.37
507.84	25.725	162.43
507.94	25.726	162.5
508.		162.54
508.01	25.727	
508.02		162.55
508.05		162.57
508.14	25.728	162.63
508.24	25.729	162.69
508.34	25.73	162.76
508.44	25.731	162.82
508.54	25.732	162.88
508.64	25.733	162.95
508.74	25.734	163.01
508.84	25.735	163.08
508.94		163.14
509.	25.736	163.18
509.01		163.19

509.02		
509.05	25.737	163.21
509.14		163.27
509.24	25.738	163.33
509.34	25.739	163.4
509.44	25.74	163.46
509.54	25.741	163.53
509.64	25.742	163.59
509.74	25.743	163.65
509.84	25.744	163.72
509.94	25.745	163.78
510.	25.746	163.82
510.01		163.83
510.02		
510.05		163.85
510.14	25.747	163.91
510.24	25.748	163.97
510.34	25.749	164.04
510.44	25.75	164.1
510.54	25.751	164.16
510.64	25.752	164.23
510.74	25.753	164.29
510.84	25.754	164.35
510.94	25.755	164.42
511.		164.45
511.01		164.46
511.02		164.47
511.05	25.756	164.49
511.14	25.757	164.54
511.24		164.61
511.34	25.758	164.67
511.44	25.759	164.73
511.54	25.76	164.79
511.64	25.761	164.86
511.74	25.762	164.92
511.84	25.763	164.98
511.94	25.764	165.05
512.	25.765	165.08
512.01		165.09
512.02		165.1
512.05		165.12
512.14	25.766	165.17
512.24	25.767	165.23
512.34	25.768	165.3
512.44	25.769	165.36
512.54	25.77	165.42
512.64	25.771	165.49
512.74	25.772	165.55
512.84	25.773	165.61
512.94	25.774	165.67
513.		165.71
513.01		165.72
513.02		
513.05	25.775	165.74
513.14	25.776	165.8
513.24		165.86
513.34	25.777	165.92
513.44	25.778	165.98
513.54	25.779	166.05
513.64	25.78	166.11

513.74	25.781	166.17
513.84	25.782	166.23
513.94	25.783	166.3
514.	25.784	166.33
514.01		166.34
514.02		
514.05		166.36
514.14	25.785	166.42
514.24	25.786	166.48
514.34	25.787	166.54
514.44	25.788	166.6
514.54	25.789	166.67
514.64	25.79	166.73
514.74	25.791	166.79
514.84	25.792	166.85
514.94		166.91
515.	25.793	166.95
515.01		166.96
515.02		
515.05		166.98
515.14	25.794	167.04
515.24	25.795	167.1
515.34	25.796	167.16
515.44	25.797	167.22
515.54	25.798	167.28
515.64	25.799	167.34
515.74	25.8	167.4
515.84	25.801	167.47
515.94	25.802	167.53
516.		167.56
516.01		167.57
516.02	25.803	167.58
516.05		167.59
516.14	25.804	167.65
516.24	25.805	167.71
516.34		167.77
516.44	25.806	167.83
516.54	25.807	167.89
516.64	25.808	167.95
516.74	25.809	168.01
516.84	25.81	168.08
516.94	25.811	168.14
517.	25.812	168.17
517.01		168.18
517.02		
517.05		168.2
517.14	25.813	168.26
517.24	25.814	168.32
517.34	25.815	168.38
517.44	25.816	168.44
517.54	25.817	168.5
517.64	25.818	168.56
517.74		168.62
517.84	25.819	168.68
517.94	25.82	168.74
518.	25.821	168.78
518.01		
518.02		168.79
518.05		168.81
518.14	25.822	168.86

518.24	25.823	168.92
518.34	25.824	168.98
518.44	25.825	169.04
518.54	25.826	169.1
518.64	25.827	169.16
518.74	25.828	169.22
518.84	25.829	169.28
518.94	25.83	169.34
519.		169.38
519.01		
519.02		169.39
519.05	25.831	169.41
519.14		169.46
519.24	25.832	169.52
519.34	25.833	169.58
519.44	25.834	169.64
519.54	25.835	169.7
519.64	25.836	169.76
519.74	25.837	169.82
519.84	25.838	169.88
519.94	25.839	169.94
520.		169.97
520.01		169.98
520.02		169.99
520.05	25.84	170.
520.14	25.841	170.06
520.24		170.12
520.34	25.842	170.18
520.44	25.843	170.24
520.54	25.844	170.29
520.64	25.845	170.35
520.74	25.846	170.41
520.84	25.847	170.47
520.94	25.848	170.53
521.		170.57
521.01		
521.02	25.849	170.58
521.05		170.6
521.14	25.85	170.65
521.24	25.851	170.71
521.34		170.77
521.44	25.852	170.83
521.54	25.853	170.88
521.64	25.854	170.94
521.74	25.855	171.
521.84	25.856	171.06
521.94	25.857	171.12
522.		171.16
522.01	25.858	
522.02		171.17
522.05		171.18
522.14	25.859	171.24
522.24	25.86	171.3
522.34	25.861	171.35
522.44		171.41
522.54	25.862	171.47
522.64	25.863	171.53
522.74	25.864	171.59
522.84	25.865	171.65
522.94	25.866	171.7

523.		171.74
523.01	25.867	
523.02		171.75
523.05		171.77
523.14	25.868	171.82
523.24	25.869	171.88
523.34	25.87	171.94
523.44		171.99
523.54	25.871	172.05
523.64	25.872	172.11
523.74	25.873	172.17
523.84	25.874	172.23
523.94	25.875	172.28
524.		172.32
524.01	25.876	
524.02		172.33
524.05		172.35
524.14	25.877	172.4
524.24	25.878	172.46
524.34	25.879	172.52
524.44		172.57
524.54	25.88	172.63
524.64	25.881	172.69
524.74	25.882	172.75
524.84	25.883	172.8
524.94	25.884	172.86
525.		172.9
525.01	25.885	
525.02		172.91
525.05		172.92
525.14	25.886	172.98
525.24	25.887	173.03
525.34		173.09
525.44	25.888	173.15
525.54	25.889	173.2
525.64	25.89	173.26
525.74	25.891	173.32
525.84	25.892	173.38
525.94	25.893	173.43
526.		173.47
526.01		
526.02	25.894	173.48
526.05		173.5
526.14	25.895	173.55
526.24		173.6
526.34	25.896	173.66
526.44	25.897	173.72
526.54	25.898	173.77
526.64	25.899	173.83
526.74	25.9	173.89
526.84	25.901	173.94
526.94	25.902	174.
527.		174.03
527.01		174.04
527.02		174.05
527.05	25.903	174.06
527.14		174.11
527.24	25.904	174.17
527.34	25.905	174.23
527.44	25.906	174.28

527.54	25.907	174.34
527.64	25.908	174.4
527.74	25.909	174.45
527.84	25.91	174.51
527.94	25.911	174.57
528.		174.6
528.01		
528.02		174.61
528.05	25.912	174.63
528.14		174.68
528.24	25.913	174.73
528.34	25.914	174.79
528.44	25.915	174.85
528.54	25.916	174.9
528.64	25.917	174.96
528.74	25.918	175.01
528.84		175.07
528.94	25.919	175.13
529.	25.92	175.16
529.01		
529.02		175.17
529.05		175.19
529.14	25.921	175.24
529.24	25.922	175.29
529.34	25.923	175.35
529.44	25.924	175.4
529.54	25.925	175.46
529.64		175.51
529.74	25.926	175.57
529.84	25.927	175.63
529.94	25.928	175.68
530.	25.929	175.71
530.01		175.72
530.02		175.73
530.05		175.74
530.14	25.93	175.79
530.24	25.931	175.85
530.34	25.932	175.9
530.44		175.96
530.54	25.933	176.01
530.64	25.934	176.07
530.74	25.935	176.12
530.84	25.936	176.18
530.94	25.937	176.23
531.		176.27
531.01		
531.02	25.938	176.28
531.05		176.29
531.14	25.939	176.34
531.24		176.4
531.34	25.94	176.45
531.44	25.941	176.51
531.54	25.942	176.56
531.64	25.943	176.62
531.74	25.944	176.67
531.84	25.945	176.73
531.94		176.78
532.	25.946	176.81
532.01		176.82
532.02		176.83

532.05		176.84
532.14	25.947	176.89
532.24	25.948	176.95
532.34	25.949	177.
532.44	25.95	177.05
532.54	25.951	177.11
532.64	25.952	177.16
532.74		177.22
532.84	25.953	177.27
532.94	25.954	177.33
533.	25.955	177.36
533.01		
533.02		177.37
533.05		177.39
533.14	25.956	177.43
533.24	25.957	177.49
533.34	25.958	177.54
533.44		177.6
533.54	25.959	177.65
533.64	25.96	177.7
533.74	25.961	177.76
533.84	25.962	177.81
533.94	25.963	177.87
534.		177.9
534.01		
534.02		177.91
534.05	25.964	177.93
534.14		177.97
534.24	25.965	178.03
534.34	25.966	178.08
534.44	25.967	178.13
534.54	25.968	178.19
534.64	25.969	178.24
534.74	25.97	178.3
534.84		178.35
534.94	25.971	178.4
535.	25.972	178.43
535.01		178.44
535.02		178.45
535.05		178.46
535.14	25.973	178.51
535.24	25.974	178.56
535.34	25.975	178.62
535.44	25.976	178.67
535.54		178.72
535.64	25.977	178.78
535.74	25.978	178.83
535.84	25.979	178.88
535.94	25.98	178.93
536.		178.97
536.01		
536.02		178.98
536.05	25.981	178.99
536.14	25.982	179.04
536.24		179.09
536.34	25.983	179.15
536.44	25.984	179.2
536.54	25.985	179.25
536.64	25.986	179.31
536.74	25.987	179.36

536.84		179.41
536.94	25.988	179.46
537.	25.989	179.5
537.01		
537.02		179.51
537.05		179.52
537.14	25.99	179.57
537.24	25.991	179.62
537.34	25.992	179.67
537.44	25.993	179.73
537.54		179.78
537.64	25.994	179.83
537.74	25.995	179.88
537.84	25.996	179.94
537.94	25.997	179.99
538.		180.02
538.01		
538.02		180.03
538.05	25.998	180.05
538.14		180.09
538.24	25.999	180.14
538.34	26.	180.2
538.44	26.001	180.25
538.54	26.002	180.3
538.64	26.003	180.35
538.74		180.41
538.84	26.004	180.46
538.94	26.005	180.51
539.	26.006	180.54
539.01		180.55
539.02		
539.05		180.57
539.14	26.007	180.61
539.24	26.008	180.66
539.34		180.72
539.44	26.009	180.77
539.54	26.01	180.82
539.64	26.011	180.87
539.74	26.012	180.92
539.84	26.013	180.97
539.94	26.014	181.03
540.		181.06
540.01		
540.02		181.07
540.05		181.08
540.14	26.015	181.13
540.24	26.016	181.18
540.34	26.017	181.23
540.44	26.018	181.28
540.54	26.019	181.33
540.64		181.39
540.74	26.02	181.44
540.84	26.021	181.49
540.94	26.022	181.54
541.		181.57
541.01		181.58
541.02		
541.05	26.023	181.6
541.14		181.64
541.24	26.024	181.69

541.34	26.025	181.74
541.44	26.026	181.79
541.54	26.027	181.85
541.64	26.028	181.9
541.74		181.95
541.84	26.029	182.
541.94	26.03	182.05
542.	26.031	182.08
542.01		
542.02		182.09
542.05		182.1
542.14	26.032	182.15
542.24	26.033	182.2
542.34		182.25
542.44	26.034	182.3
542.54	26.035	182.35
542.64	26.036	182.4
542.74	26.037	182.45
542.84	26.038	182.5
542.94		182.55
543.	26.039	182.58
543.01		182.59
543.02		
543.05		182.61
543.14	26.04	182.65
543.24	26.041	182.71
543.34	26.042	182.76
543.44		182.81
543.54	26.043	182.86
543.64	26.044	182.91
543.74	26.045	182.96
543.84	26.046	183.01
543.94	26.047	183.06
544.		183.09
544.01		
544.02		183.1
544.05		183.11
544.14	26.048	183.16
544.24	26.049	183.21
544.34	26.05	183.26
544.44	26.051	183.31
544.54	26.052	183.36
544.64		183.4
544.74	26.053	183.45
544.84	26.054	183.5
544.94	26.055	183.55
545.		183.58
545.01		183.59
545.02		
545.05	26.056	183.61
545.14		183.65
545.24	26.057	183.7
545.34	26.058	183.75
545.44	26.059	183.8
545.54	26.06	183.85
545.64		183.9
545.74	26.061	183.95
545.84	26.062	184.
545.94	26.063	184.05
546.		184.08

546.01		
546.02	26.064	184.09
546.05		184.1
546.14	26.065	184.15
546.24		184.2
546.34	26.066	184.24
546.44	26.067	184.29
546.54	26.068	184.34
546.64	26.069	184.39
546.74		184.44
546.84	26.07	184.49
546.94	26.071	184.54
547.	26.072	184.57
547.01		
547.02		184.58
547.05		184.59
547.14	26.073	184.64
547.24		184.68
547.34	26.074	184.73
547.44	26.075	184.78
547.54	26.076	184.83
547.64	26.077	184.88
547.74		184.93
547.84	26.078	184.98
547.94	26.079	185.03
548.	26.08	185.05
548.01		185.06
548.02		
548.05		185.08
548.14	26.081	185.12
548.24		185.17
548.34	26.082	185.22
548.44	26.083	185.27
548.54	26.084	185.32
548.64	26.085	185.36
548.74	26.086	185.41
548.84		185.46
548.94	26.087	185.51
549.	26.088	185.54
549.01		
549.02		185.55
549.05		185.56
549.14	26.089	185.6
549.24	26.09	185.65
549.34		185.7
549.44	26.091	185.75
549.54	26.092	185.8
549.64	26.093	185.84
549.74	26.094	185.89
549.84		185.94
549.94	26.095	185.99
550.	26.096	186.02
550.5	26.1	186.25
551.	26.104	186.49
552.5	26.115	187.2
557.	26.15	189.25
562.	26.188	191.45
567.	26.226	193.57
572.	26.262	195.6
577.	26.298	197.55

582.	26.333	199.42
587.	26.367	201.21
592.	26.4	202.93
597.	26.433	204.57
600.	26.452	205.53
606.	26.49	207.35
612.	26.527	209.08
630.	26.633	213.71
684.	26.895	221.26
738.	27.113	224.89
798.	27.315	225.57
858.	27.483	223.95
918.	27.626	220.78
978.	27.747	216.61
1038.	27.852	211.81
1098.	27.942	206.63
1158.	28.022	201.26
1200.	28.071	197.45
1212.	28.085	196.4
1224.	28.098	195.36
1260.	28.135	192.06
1296.	28.17	188.79
1404.	28.265	179.37
1512.	28.342	170.42
1632.	28.413	161.1
1752.	28.472	152.41
1872.	28.52	144.32
1992.	28.561	136.79
2112.	28.595	129.79
2232.	28.625	123.27
2352.	28.651	117.19
2400.	28.658	114.81
2412.	28.66	114.23
2424.	28.663	113.66
2460.	28.67	112.03
2568.	28.688	107.17
2676.	28.703	102.6
2796.	28.717	97.858
2916.	28.729	93.416
3036.	28.739	89.254
3156.	28.748	85.352
3276.	28.754	81.69
3396.	28.759	78.252
3516.	28.762	75.021
3600.	28.763	72.853
3612.		72.549
3624.	28.764	72.247
3660.	28.765	71.381
3768.		68.82
3876.	28.764	66.396
3996.	28.763	63.86
4116.	28.76	61.471
4236.	28.756	59.22
4356.	28.751	57.096
4476.	28.746	55.094
4596.	28.739	53.203
4716.	28.732	51.418
4800.	28.726	50.217
4812.	28.725	50.048
4824.	28.724	49.88

4860.	28.722	49.397
4968.	28.714	47.971
5076.	28.706	46.616
5196.	28.695	45.832
5316.	28.685	45.166
5436.	28.673	44.528
5556.	28.662	43.916
5676.	28.649	43.346
5796.	28.636	42.801
5916.	28.623	42.276
6000.	28.614	41.919
6012.	28.612	41.868
6024.	28.611	41.818
6060.	28.607	41.67
6168.	28.595	41.239
6276.	28.582	40.831
6396.	28.567	40.395
6516.	28.552	39.975
6636.	28.537	39.57
6756.	28.521	39.182
6876.	28.505	38.816
6996.	28.489	38.467
7116.	28.473	38.132
7200.	28.462	37.905

FIGURE 16
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature 4

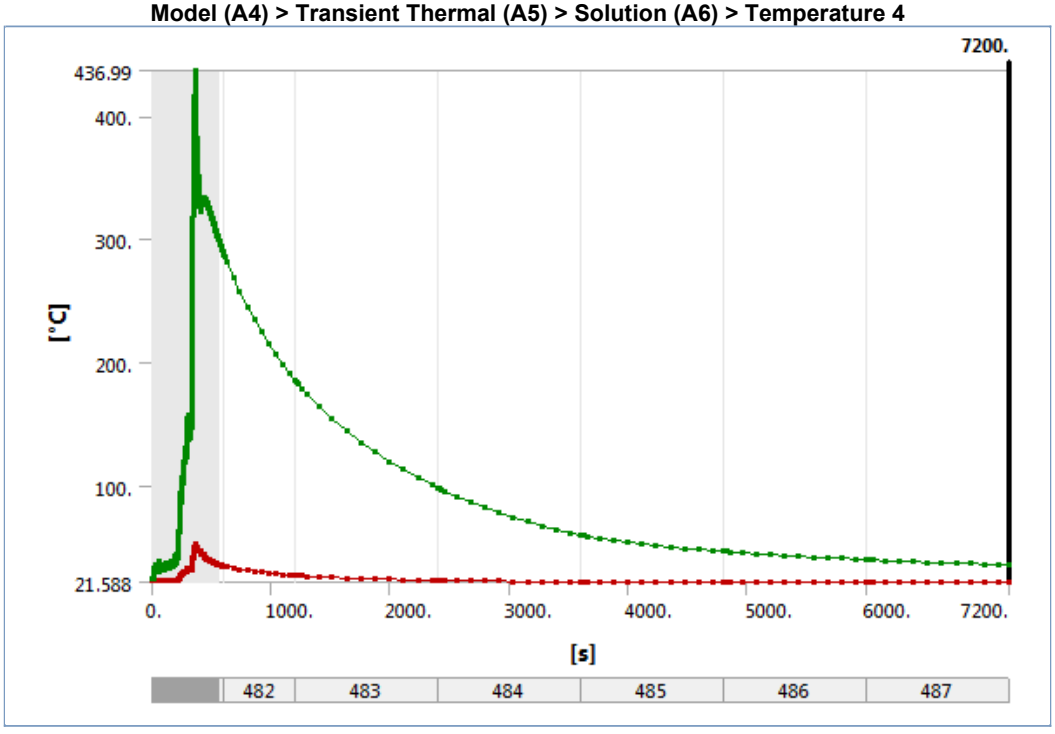

TABLE 27
Model (A4) > Transient Thermal (A5) > Solution (A6) > Temperature 4

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002	23.175	23.994
2.e-002	22.908	23.996
5.e-002	22.685	24.037
0.14	22.535	24.034
0.41	22.457	24.027
1.22	22.42	24.037

2.	22.409	24.036
2.02		
2.04	22.408	
2.1		
2.28	22.406	24.035
2.48	22.405	24.034
2.68	22.403	24.033
2.88		24.031
3.08	22.402	24.03
3.28	22.401	24.028
3.48		24.027
3.68	22.4	24.025
3.88		24.023
4.		24.022
4.02		
4.04		
4.1		
4.28		24.02
4.48	22.399	24.019
4.68		24.017
4.88		24.015
5.08		24.014
5.28		24.012
5.48	22.398	24.01
5.68		24.009
5.88		24.007
6.		24.006
6.02		
6.04		
6.1		24.005
6.28		
6.48	22.397	24.004
6.68		
6.88		
7.08		
7.28		
7.48		
7.68	22.396	
7.88		
8.		
8.02		
8.04		
8.1		
8.28		24.003
8.48		
8.68	22.395	
8.88		
9.08		
9.28		24.002
9.48	22.394	
9.68		
9.88		
10.		24.001
10.02		
10.04		
10.1		
10.28	22.393	
10.48		
10.68		
10.88		

11.08	22.392	24.
11.28		
11.48		23.999
11.68	22.391	
11.88		
12.		23.998
12.02		
12.04		
12.1		
12.28	22.39	
12.48		23.997
12.68		
12.88	22.389	
13.08		23.996
13.28		
13.48	22.388	23.995
13.68		
13.88	22.387	23.994
14.		
14.02		
14.04		
14.1		
14.28		23.995
14.42		24.156
14.559	22.388	24.366
14.759	22.39	24.722
14.959	22.393	25.147
15.159	22.398	25.627
15.359	22.405	26.151
15.559	22.414	26.715
15.759	22.425	27.317
15.88	22.432	27.692
16.	22.44	28.079
16.02	22.442	28.142
16.04	22.443	28.203
16.1	22.447	28.373
16.28	22.462	28.817
16.48	22.48	29.257
16.68	22.5	29.66
16.88	22.521	30.033
17.08	22.543	30.383
17.28	22.566	30.715
17.48	22.589	31.03
17.68	22.613	31.331
17.88	22.637	31.621
18.	22.651	31.791
18.02	22.653	31.819
18.04	22.656	31.846
18.1	22.663	31.924
18.28	22.684	32.136
18.48	22.708	32.349
18.68	22.731	32.543
18.88	22.753	32.72
19.08	22.776	32.882
19.28	22.797	33.031
19.48	22.818	33.168
19.68	22.838	33.293
19.88	22.858	33.408
20.	22.869	33.473
20.02	22.871	33.482

20.04	22.873	33.489
20.1	22.878	33.5
20.28	22.894	33.456
20.48	22.911	33.337
20.68	22.926	33.161
20.88	22.939	32.935
21.08	22.951	32.666
21.28	22.96	32.356
21.48	22.968	32.009
21.68	22.973	31.628
21.88	22.976	31.214
22.	22.977	30.955
22.02		30.915
22.04		30.878
22.1		30.79
22.28	22.976	30.652
22.48	22.974	30.609
22.68	22.97	30.648
22.88	22.967	30.754
23.08	22.963	30.917
23.28	22.959	31.13
23.48	22.957	31.387
23.68	22.955	31.683
23.88		32.016
24.		32.228
24.02	22.956	32.262
24.04		32.295
24.1		32.383
24.28	22.958	32.601
24.48	22.962	32.805
24.68	22.967	32.983
24.88	22.973	33.142
25.08	22.979	33.286
25.28	22.986	33.417
25.48	22.994	33.538
25.68	23.002	33.651
25.88	23.01	33.755
26.	23.015	33.816
26.02		33.826
26.04	23.016	33.835
26.1	23.019	33.865
26.28	23.026	33.949
26.48	23.034	34.037
26.68	23.042	34.121
26.88	23.05	34.201
27.08	23.058	34.277
27.28	23.066	34.35
27.48	23.073	34.419
27.68	23.08	34.486
27.88	23.088	34.549
28.	23.092	34.586
28.02		34.593
28.04	23.093	34.599
28.1	23.095	34.617
28.28	23.101	34.672
28.48	23.108	34.732
28.68	23.114	34.79
28.88	23.12	34.846
29.08	23.127	34.901
29.28	23.132	34.955

29.48	23.138	35.007
29.68	23.144	35.058
29.88	23.149	35.108
30.	23.152	35.137
30.02	23.153	35.142
30.04		35.147
30.1	23.155	35.161
30.28	23.16	35.204
30.48	23.165	35.251
30.68	23.169	35.296
30.88	23.174	35.341
31.08	23.179	35.385
31.28	23.183	35.427
31.48	23.188	35.469
31.68	23.192	35.51
31.88	23.196	35.55
32.	23.198	35.574
32.02	23.199	35.576
32.04		35.577
32.1	23.2	35.572
32.28	23.204	35.501
32.48	23.207	35.371
32.68	23.21	35.2
32.88	23.212	34.994
33.08		34.757
33.28		34.493
33.48	23.211	34.204
33.68	23.208	33.891
33.88	23.204	33.556
34.	23.201	33.348
34.02	23.2	33.316
34.04		33.286
34.1	23.198	33.213
34.28	23.192	33.093
34.48	23.185	33.044
34.68	23.177	33.059
34.88	23.17	33.127
35.08	23.162	33.24
35.28	23.156	33.392
35.48	23.15	33.579
35.68	23.145	33.798
35.88	23.141	34.046
36.	23.14	34.205
36.02	23.139	34.229
36.04		34.251
36.1		34.3
36.28	23.137	34.354
36.48		34.336
36.68		34.258
36.88		34.132
37.08		33.964
37.28		33.761
37.48	23.136	33.526
37.68	23.134	33.262
37.88	23.131	32.972
38.	23.129	32.788
38.02	23.128	32.76
38.04		32.734
38.1	23.127	32.673
38.28	23.122	32.58

38.48	23.117	32.555
38.68	23.111	32.59
38.88	23.105	32.673
39.08	23.1	32.798
39.28	23.095	32.959
39.48	23.091	33.153
39.68	23.088	33.375
39.88	23.087	33.625
40.	23.086	33.783
40.02		33.809
40.04		33.833
40.1		33.9
40.28		34.066
40.48	23.088	34.224
40.68	23.09	34.364
40.88	23.094	34.491
41.08	23.098	34.607
41.28	23.103	34.715
41.48	23.108	34.817
41.68	23.113	34.913
41.88	23.119	35.004
42.	23.123	35.057
42.02		35.066
42.04	23.124	35.075
42.1	23.126	35.101
42.28	23.131	35.178
42.48	23.137	35.26
42.68	23.144	35.34
42.88	23.15	35.419
43.08	23.156	35.495
43.28	23.163	35.57
43.48	23.169	35.644
43.68	23.175	35.716
43.88	23.182	35.787
44.	23.186	35.83
44.02		35.835
44.04	23.187	35.84
44.1	23.189	35.843
44.28	23.194	35.796
44.48	23.2	35.691
44.68	23.204	35.544
44.88	23.209	35.362
45.08	23.212	35.148
45.28	23.214	34.905
45.48	23.215	34.637
45.68	23.214	34.345
45.88	23.213	34.03
46.	23.211	33.833
46.02		33.802
46.04		33.771
46.1	23.21	33.687
46.28	23.206	33.473
46.48	23.2	33.268
46.68	23.193	33.084
46.88	23.186	32.918
47.08	23.178	32.765
47.28	23.17	32.634
47.48	23.161	32.522
47.68	23.152	32.417
47.88	23.143	32.317

48.	23.137	32.259
48.02	23.136	32.25
48.04	23.135	32.24
48.1	23.133	32.212
48.28	23.124	32.13
48.48	23.115	32.044
48.68	23.106	31.961
48.88	23.097	31.881
49.08	23.088	31.804
49.28	23.079	31.73
49.48	23.071	31.658
49.68	23.062	31.589
49.88	23.054	31.521
50.	23.049	31.482
50.02	23.048	31.475
50.04		31.468
50.1	23.045	31.449
50.28	23.038	31.392
50.48	23.031	31.33
50.68	23.023	31.27
50.88	23.016	31.211
51.08	23.009	31.154
51.28	23.002	31.098
51.48	22.995	31.044
51.68	22.988	30.991
51.88	22.982	30.939
52.	22.978	30.908
52.02		30.903
52.04	22.977	30.897
52.1	22.975	30.882
52.28	22.97	30.837
52.48	22.964	30.788
52.68	22.958	30.74
52.88	22.952	30.693
53.08	22.947	30.647
53.28	22.942	30.602
53.48	22.936	30.557
53.68	22.931	30.513
53.88	22.926	30.47
54.	22.924	30.445
54.02	22.923	30.442
54.04		30.44
54.1	22.921	30.447
54.28	22.917	30.525
54.48	22.913	30.665
54.68	22.91	30.846
54.88	22.908	31.061
55.08	22.907	31.306
55.28		31.577
55.48	22.908	31.873
55.68	22.911	32.192
55.88	22.916	32.532
56.	22.919	32.744
56.02	22.92	32.778
56.04		32.811
56.1	22.922	32.901
56.28	22.929	33.127
56.48	22.938	33.345
56.68	22.947	33.54
56.88	22.958	33.719

57.08	22.969	33.885
57.28	22.981	34.055
57.48	22.994	34.223
57.68	23.006	34.382
57.88	23.019	34.534
58.	23.027	34.622
58.02	23.028	34.638
58.04	23.029	34.656
58.1	23.033	34.718
58.28	23.045	34.962
58.48	23.059	35.284
58.68	23.073	35.647
58.88	23.087	36.044
59.08	23.103	36.47
59.28	23.119	36.924
59.48	23.137	37.401
59.68	23.156	37.901
59.88	23.176	38.423
60.	23.188	38.743
60.02	23.19	38.792
60.04	23.192	38.837
60.1	23.199	38.943
60.28	23.218	39.088
60.48	23.24	39.098
60.68	23.262	38.989
60.88	23.282	38.781
61.08	23.301	38.488
61.28	23.318	38.12
61.48	23.333	37.683
61.68	23.345	37.183
61.861	23.353	36.685
62.	23.358	36.273
62.02		36.218
62.04	23.359	36.167
62.1	23.36	36.039
62.28	23.363	35.801
62.48	23.364	35.659
62.68	23.363	35.607
62.88	23.361	35.628
63.08	23.358	35.708
63.28	23.355	35.84
63.48	23.352	36.017
63.68	23.35	36.234
63.88	23.349	36.488
64.		36.653
64.02		36.678
64.04		36.7
64.1		36.749
64.28		36.796
64.48	23.35	36.764
64.68	23.352	36.668
64.88	23.353	36.52
65.08	23.354	36.328
65.28	23.355	36.098
65.48		35.834
65.68	23.354	35.538
65.88	23.351	35.215
66.	23.349	35.011
66.02		34.978
66.04		34.947

66.1	23.347	34.86
66.28	23.343	34.642
66.48	23.337	34.441
66.68	23.33	34.286
66.88	23.322	34.146
67.08	23.314	34.018
67.28	23.305	33.899
67.48	23.296	33.788
67.68	23.287	33.684
67.88	23.277	33.585
68.	23.271	33.527
68.02	23.27	33.518
68.04	23.269	33.508
68.1	23.266	33.48
68.28	23.258	33.4
68.48	23.248	33.314
68.68	23.239	33.232
68.88	23.229	33.154
69.08	23.22	33.078
69.28	23.211	33.005
69.48	23.202	32.934
69.68	23.193	32.865
69.88	23.185	32.799
70.	23.18	32.76
70.02	23.179	32.755
70.04	23.178	32.751
70.1	23.176	
70.28	23.169	32.813
70.48	23.161	32.937
70.68	23.155	33.103
70.88	23.15	33.305
71.08	23.145	33.538
71.28	23.142	33.8
71.48	23.141	34.086
71.68		34.397
71.88	23.143	34.73
72.	23.145	34.938
72.02		34.97
72.04		34.999
72.1	23.146	35.067
72.28	23.151	35.168
72.48	23.156	35.193
72.68	23.163	35.154
72.88	23.169	35.065
73.08	23.175	34.932
73.28	23.181	34.763
73.48	23.186	34.562
73.68	23.189	34.33
73.848	23.192	34.116
74.	23.193	33.908
74.02		33.881
74.04		33.856
74.1		33.789
74.28		33.63
74.48	23.192	33.483
74.68	23.189	33.357
74.88	23.186	33.244
75.08	23.182	33.142
75.28	23.177	33.047
75.48	23.172	32.96

75.68	23.167	32.878
75.88	23.161	32.8
76.	23.158	32.755
76.02	23.157	32.749
76.04	23.156	32.745
76.1	23.155	32.742
76.28	23.149	32.8
76.48	23.144	32.921
76.68	23.139	33.087
76.88	23.135	33.291
77.08	23.133	33.528
77.28	23.131	33.793
77.48		34.086
77.68	23.132	34.403
77.88	23.135	34.744
78.	23.138	34.956
78.02		34.989
78.04	23.139	35.018
78.1	23.14	35.089
78.28	23.145	35.192
78.48	23.152	35.219
78.68	23.159	35.181
78.88	23.166	35.091
79.08	23.174	34.958
79.28	23.18	34.788
79.48	23.186	34.584
79.68	23.19	34.35
79.845	23.193	34.138
80.	23.195	33.922
80.02		33.896
80.04		33.87
80.1	23.196	33.803
80.28		33.642
80.48	23.195	33.495
80.68	23.193	33.369
80.88	23.191	33.257
81.08	23.187	33.155
81.28	23.183	33.062
81.48	23.178	32.976
81.68	23.173	32.895
81.88	23.168	32.819
82.	23.164	32.775
82.02		32.768
82.04	23.163	32.76
82.1	23.162	32.739
82.28	23.156	32.677
82.48	23.151	32.612
82.68	23.145	32.55
82.88	23.139	32.49
83.08	23.133	32.433
83.28	23.128	32.377
83.48	23.122	32.324
83.68	23.117	32.272
83.88	23.111	32.222
84.	23.108	32.192
84.02	23.107	32.187
84.04		32.183
84.1	23.105	32.168
84.28	23.1	32.126
84.48	23.095	32.08

84.68	23.09	32.035
84.88	23.085	31.992
85.08	23.081	31.95
85.28	23.076	31.909
85.48	23.071	31.868
85.68	23.067	31.829
85.88	23.063	31.791
86.	23.06	31.768
86.02		31.764
86.04	23.059	31.76
86.1	23.058	31.749
86.28	23.054	31.716
86.48	23.05	31.688
86.68	23.046	31.685
86.88	23.042	31.681
87.08	23.038	31.677
87.28	23.035	31.674
87.48	23.031	31.67
87.68	23.028	31.667
87.88	23.024	31.663
88.	23.022	31.661
88.02		
88.04		31.66
88.1	23.021	31.659
88.28	23.018	31.656
88.48	23.014	31.653
88.68	23.011	31.649
88.88	23.008	31.646
89.08	23.005	31.643
89.28	23.002	31.639
89.48	23.	31.636
89.68	22.997	31.633
89.88	22.994	31.63
90.	22.993	31.628
90.02	22.992	31.627
90.04		
90.1	22.991	31.626
90.28	22.989	31.623
90.48	22.986	31.62
90.68	22.984	31.617
90.88	22.981	31.614
91.08	22.979	31.611
91.28	22.977	31.608
91.48	22.974	31.605
91.68	22.972	31.602
91.88	22.97	31.599
92.	22.969	31.597
92.02		
92.04	22.968	
92.1		31.596
92.28	22.966	31.593
92.48	22.964	31.59
92.68	22.962	31.587
92.88	22.96	31.584
93.08	22.958	31.582
93.28	22.956	31.579
93.48	22.954	31.576
93.68	22.952	31.573
93.88	22.951	31.57
94.		31.569

94.02	22.949	31.568
94.04		
94.1		31.567
94.28	22.947	31.565
94.48	22.945	31.562
94.68	22.944	31.559
94.88	22.942	31.557
95.08	22.94	31.554
95.28	22.939	31.551
95.48	22.937	31.549
95.68	22.936	31.546
95.88	22.934	31.543
96.	22.933	31.542
96.02		
96.04		31.541
96.1		
96.28	22.932	31.567
96.397	22.931	31.591
96.515		31.619
96.715		31.676
96.915	22.932	31.741
97.115	22.934	31.813
97.315	22.938	31.937
97.515	22.943	32.294
97.715	22.949	32.676
97.915	22.957	33.081
98.	22.961	33.258
98.02	22.962	33.296
98.04	22.963	33.332
98.1	22.966	33.417
98.28	22.976	33.56
98.48	22.987	33.624
98.68	22.999	33.617
98.88	23.011	33.554
99.08	23.023	33.444
99.28	23.034	33.293
99.48	23.044	33.106
99.68	23.052	32.886
99.83	23.058	32.704
99.915	23.061	32.595
100.	23.064	32.481
100.02		32.456
100.04	23.065	32.432
100.1	23.066	32.368
100.28	23.07	32.221
100.48	23.073	32.091
100.68	23.074	32.02
100.88		32.012
101.08		32.005
101.28	23.072	31.999
101.48	23.07	31.994
101.68	23.068	31.99
101.88	23.065	31.986
102.	23.063	31.984
102.02	23.062	
102.04		31.983
102.1	23.061	31.982
102.28	23.058	31.979
102.48	23.055	31.975
102.68	23.051	31.972

102.88	23.047	31.968
103.08	23.044	31.965
103.28	23.04	31.962
103.48	23.036	31.958
103.68	23.032	31.955
103.88	23.029	31.952
104.	23.026	31.95
104.02		31.949
104.04		
104.1	23.025	31.948
104.28	23.021	31.945
104.48	23.018	31.942
104.68	23.015	31.939
104.88	23.011	31.936
105.08	23.008	31.933
105.28	23.005	31.929
105.48	23.001	31.926
105.68	22.998	31.923
105.88	22.995	31.92
106.	22.994	31.918
106.02	22.993	
106.04		
106.1	22.992	31.917
106.28	22.989	31.914
106.48	22.987	31.911
106.68	22.984	31.908
106.88	22.981	31.906
107.08	22.979	31.903
107.28	22.976	31.9
107.48	22.973	31.897
107.68	22.971	31.894
107.88	22.969	31.891
108.	22.967	31.89
108.02		31.889
108.04		
108.1	22.966	31.888
108.28	22.964	31.921
108.4	22.963	31.949
108.52	22.962	31.982
108.72		32.049
108.92	22.963	32.125
109.12	22.965	32.209
109.32	22.968	32.315
109.52	22.974	32.733
109.72	22.981	33.179
109.92	22.99	33.652
110.	22.994	33.851
110.02	22.995	33.898
110.04	22.996	33.943
110.1	22.999	34.067
110.28	23.011	34.378
110.48	23.024	34.677
110.68	23.04	34.944
110.88	23.056	35.188
111.08	23.073	35.446
111.28	23.09	35.687
111.48	23.108	35.913
111.68	23.126	36.126
111.88	23.145	36.326
112.	23.156	36.443

112.02	23.157	36.46
112.04	23.159	36.476
112.1	23.165	36.511
112.28	23.181	36.534
112.48	23.198	36.485
112.68	23.214	36.377
112.88	23.229	36.216
113.08	23.242	36.009
113.28	23.254	35.761
113.48	23.263	35.476
113.68	23.271	35.155
113.87	23.277	34.825
114.	23.28	34.577
114.02		34.542
114.04		34.507
114.1	23.281	34.414
114.28	23.283	34.186
114.48		33.989
114.68	23.281	33.836
114.88	23.278	33.701
115.08	23.274	33.58
115.28	23.27	33.47
115.48	23.264	33.369
115.68	23.258	33.276
115.88	23.252	33.189
116.	23.248	33.14
116.02	23.247	33.131
116.04		33.123
116.1	23.245	33.099
116.28	23.239	33.031
116.48	23.232	32.959
116.68	23.225	32.941
116.88	23.218	32.937
117.08	23.211	32.932
117.28	23.204	32.928
117.48	23.198	32.924
117.68	23.191	32.92
117.88	23.184	32.916
118.	23.181	32.913
118.02	23.18	
118.04	23.179	32.912
118.1	23.177	32.911
118.28	23.172	32.908
118.48	23.166	32.904
118.68	23.16	32.9
118.88	23.154	32.896
119.08	23.148	32.892
119.28	23.143	32.888
119.48	23.137	32.885
119.68	23.132	32.881
119.88	23.127	32.878
120.	23.124	32.875
120.02	23.123	
120.04		
120.1	23.121	32.874
120.28	23.117	32.871
120.48	23.112	32.867
120.68	23.107	32.864
120.88	23.103	32.86
121.08	23.098	32.857

121.28	23.094	32.854
121.48	23.09	32.85
121.68	23.086	32.847
121.88	23.082	32.844
122.	23.079	32.842
122.02		
122.04		
122.1	23.078	32.841
122.28	23.074	32.838
122.48	23.07	32.835
122.68	23.067	32.832
122.88	23.063	32.829
123.08	23.06	32.826
123.28	23.057	32.823
123.48	23.053	32.82
123.68	23.05	32.817
123.88	23.047	32.814
124.	23.045	32.812
124.02		
124.04		
124.1	23.044	32.811
124.28	23.041	32.809
124.48	23.038	32.806
124.68	23.036	32.803
124.88	23.033	32.8
125.08	23.03	32.798
125.28	23.028	32.795
125.48	23.025	32.792
125.68	23.023	32.79
125.88	23.02	32.787
126.	23.019	32.785
126.02		
126.04	23.018	
126.1		32.784
126.28	23.016	32.782
126.48	23.013	32.779
126.68	23.011	32.777
126.88	23.009	32.774
127.08	23.007	32.772
127.28	23.005	32.769
127.48	23.003	32.767
127.68	23.001	32.764
127.88	22.999	32.762
128.	22.998	32.761
128.02		32.76
128.04	22.997	
128.1		32.759
128.28	22.995	32.757
128.48	22.993	32.755
128.68	22.992	32.752
128.88	22.99	32.75
129.08	22.988	32.748
129.28	22.987	32.745
129.48	22.985	32.743
129.68	22.983	32.741
129.88	22.982	32.739
130.	22.981	32.737
130.02		
130.04		
130.1	22.98	32.736

130.28	22.979	32.775
130.41		32.808
130.53	22.978	32.846
130.73	22.979	32.918
130.93	22.981	33.
131.13	22.984	33.091
131.33	22.988	33.19
131.53	22.995	33.297
131.73	23.004	33.759
131.93	23.014	34.269
132.	23.018	34.45
132.02	23.019	34.498
132.04	23.02	34.542
132.1	23.024	34.651
132.28	23.036	34.833
132.48	23.051	34.918
132.68	23.066	34.944
132.88	23.081	34.891
133.08	23.096	34.77
133.28	23.11	34.59
133.48	23.122	34.357
133.68	23.133	34.076
133.83	23.141	33.832
133.92	23.144	33.694
134.	23.148	33.548
134.02		33.515
134.04	23.149	33.485
134.1	23.151	33.412
134.28	23.156	33.388
134.48	23.16	33.369
134.68	23.162	33.355
134.88		33.345
135.08		33.337
135.28	23.16	33.331
135.48	23.158	33.325
135.68	23.155	33.32
135.88	23.152	33.316
136.	23.15	33.314
136.02	23.149	33.313
136.04		
136.1	23.148	33.312
136.28	23.144	33.308
136.48	23.14	33.305
136.68	23.136	33.301
136.88	23.132	33.298
137.08	23.127	33.294
137.28	23.123	33.291
137.48	23.119	33.288
137.68	23.114	33.284
137.88	23.11	33.281
138.	23.108	33.279
138.02	23.107	
138.04		
138.1	23.105	33.278
138.28	23.102	33.275
138.48	23.098	33.272
138.68	23.094	33.269
138.88	23.09	33.266
139.08	23.086	33.263
139.28	23.082	33.26

139.48	23.079	33.257
139.68	23.075	33.254
139.88	23.072	33.251
140.	23.07	33.249
140.01	23.069	
140.02		
140.05		33.248
140.14	23.067	33.247
140.24	23.065	33.246
140.34	23.064	33.244
140.44	23.062	33.243
140.54	23.061	33.242
140.64	23.059	33.24
140.74	23.057	33.239
140.84	23.056	33.237
140.94	23.054	33.236
141.	23.053	33.235
141.01		
141.02		
141.05		
141.14	23.051	33.233
141.24	23.05	33.232
141.34	23.048	33.231
141.44	23.047	33.229
141.54	23.046	33.228
141.64	23.044	33.227
141.74	23.043	33.225
141.84	23.041	33.224
141.94	23.04	33.223
142.	23.039	33.222
142.01		
142.02		
142.05		33.221
142.14	23.037	33.22
142.24	23.036	33.219
142.34	23.035	33.218
142.44	23.034	33.216
142.54	23.032	33.215
142.64	23.031	33.214
142.74	23.03	33.212
142.84	23.029	33.211
142.94	23.027	33.21
143.		33.209
143.01		
143.02	23.026	
143.05		
143.14	23.025	33.207
143.24	23.024	33.206
143.34	23.023	33.205
143.44	23.022	33.204
143.54	23.02	33.202
143.64	23.019	33.201
143.74	23.018	33.2
143.84	23.017	33.199
143.94	23.016	33.198
144.		33.197
144.01	23.015	
144.02		
144.05		33.196
144.14	23.014	33.195

144.24	23.013	33.194
144.34	23.012	33.193
144.44	23.011	33.191
144.54	23.01	33.19
144.64	23.009	33.189
144.74	23.008	33.188
144.84	23.007	33.187
144.94	23.006	33.186
145.		33.185
145.01		
145.02	23.005	
145.05		33.184
145.14	23.004	33.183
145.24	23.003	33.182
145.34	23.002	33.181
145.44		33.18
145.54	23.001	33.179
145.64	23.	33.177
145.74	22.999	33.176
145.84	22.998	33.175
145.94	22.997	33.174
146.		33.173
146.01		
146.02		
146.05	22.996	
146.14		33.172
146.24	22.995	33.171
146.34	22.994	33.169
146.44	22.993	33.168
146.54	22.992	33.167
146.64		33.166
146.74	22.991	33.165
146.84	22.99	33.164
146.94	22.989	33.163
147.		33.162
147.01		
147.02		
147.05	22.988	
147.14		33.161
147.24	22.987	33.159
147.34	22.986	33.158
147.44		33.157
147.54	22.985	33.156
147.64	22.984	33.155
147.74	22.983	33.154
147.84		33.153
147.94	22.982	33.152
148.		33.151
148.01		
148.02	22.981	
148.05		
148.11		33.172
148.21		33.225
148.31	22.98	33.29
148.41	22.981	33.366
148.51		33.45
148.61	22.982	33.543
148.71	22.984	33.644
148.81	22.986	33.751
148.91	22.99	33.865

149.	22.993	34.253
149.01	22.994	34.301
149.02		34.347
149.05	22.995	34.465
149.14	23.	34.686
149.24	23.006	34.812
149.34	23.012	34.868
149.44	23.019	34.855
149.54	23.026	34.775
149.64	23.034	34.634
149.74	23.041	34.44
149.84	23.049	34.198
149.94	23.056	33.917
150.	23.061	33.774
150.01		33.768
150.02	23.062	33.762
150.05	23.064	33.748
150.14	23.07	33.716
150.24	23.077	33.687
150.34	23.082	33.665
150.44	23.088	33.646
150.54	23.092	33.63
150.64	23.096	33.617
150.74	23.1	33.607
150.84	23.103	33.598
150.94	23.105	33.59
151.	23.106	33.586
151.01	23.107	
151.02		
151.05		33.593
151.11	23.108	33.614
151.21	23.11	33.666
151.31	23.111	33.73
151.4	23.113	33.804
151.5	23.115	33.891
151.6	23.116	33.987
151.7	23.119	34.323
151.8	23.121	34.805
151.9	23.125	35.326
152.	23.129	35.866
152.01		35.919
152.02	23.13	35.969
152.05	23.131	36.098
152.14	23.136	36.346
152.24	23.141	36.494
152.34	23.148	36.54
152.44	23.154	36.502
152.54	23.161	36.393
152.64	23.168	36.222
152.74	23.176	35.995
152.84	23.183	35.717
152.94	23.19	35.392
153.	23.194	35.181
153.01	23.195	35.147
153.02		35.114
153.05	23.197	35.024
153.14	23.203	34.802
153.24	23.208	34.598
153.34	23.213	34.424
153.44	23.218	34.272

153.54	23.222	34.137
153.64	23.225	34.057
153.74	23.227	34.045
153.84	23.229	34.035
153.94	23.231	34.026
154.		34.022
154.01	23.232	34.021
154.02		34.02
154.05		34.018
154.14		34.012
154.24	23.233	34.007
154.34	23.232	34.003
154.44		33.999
154.54	23.231	33.995
154.64	23.23	33.992
154.74	23.228	33.989
154.84	23.227	33.986
154.94	23.225	33.983
155.	23.224	33.982
155.01		
155.02	23.223	33.981
155.05		
155.14	23.221	33.978
155.24	23.219	33.976
155.34	23.216	33.974
155.44	23.214	33.972
155.54	23.212	33.97
155.64	23.209	33.968
155.74	23.207	33.966
155.84	23.204	33.964
155.94	23.201	33.962
156.	23.2	33.961
156.01	23.199	33.96
156.02		
156.05	23.198	
156.14	23.196	33.958
156.24	23.193	33.956
156.34	23.191	33.954
156.44	23.188	33.952
156.54	23.185	33.95
156.64	23.182	33.948
156.74	23.18	33.947
156.84	23.177	33.945
156.94	23.175	33.943
157.	23.173	33.942
157.01		
157.02	23.172	
157.05		33.945
157.11	23.17	33.972
157.21	23.168	34.033
157.31	23.166	34.11
157.41	23.164	34.198
157.51	23.163	34.297
157.61		34.406
157.71		34.717
157.81	23.164	35.274
157.91	23.166	35.875
158.	23.169	36.446
158.01		36.507
158.02	23.17	36.564

158.05	23.171	36.713
158.14	23.175	37.004
158.24	23.18	37.183
158.34	23.186	37.249
158.44	23.192	37.22
158.54	23.199	37.112
158.64	23.206	36.933
158.74	23.214	36.691
158.84	23.221	36.392
158.94	23.228	36.047
159.	23.233	35.812
159.01		35.775
159.02	23.234	35.739
159.05	23.236	35.641
159.14	23.242	35.403
159.24	23.248	35.184
159.34	23.253	34.998
159.44	23.258	34.836
159.54	23.262	34.693
159.64	23.265	34.565
159.74	23.268	34.465
159.84	23.27	34.454
159.94	23.272	34.444
160.	23.273	34.439
160.01		
160.02		34.438
160.05		34.436
160.14	23.274	34.43
160.24		34.424
160.34	23.273	34.419
160.44		34.415
160.54	23.272	34.411
160.64	23.27	34.407
160.74	23.269	34.403
160.84	23.267	34.4
160.94	23.265	34.397
161.	23.264	34.396
161.01		34.395
161.02		
161.05	23.263	34.394
161.14	23.261	34.392
161.24	23.259	34.39
161.34	23.256	34.387
161.44	23.254	34.385
161.54	23.251	34.382
161.64	23.248	34.38
161.74	23.245	34.378
161.84	23.243	34.375
161.94	23.24	34.373
162.	23.238	34.372
162.01		34.371
162.02	23.237	
162.05		
162.14	23.234	34.369
162.24	23.231	34.366
162.34	23.228	34.364
162.44	23.225	34.362
162.54	23.222	34.36
162.64	23.219	34.357
162.74	23.217	34.355

162.84	23.214	34.353
162.94	23.211	34.351
163.	23.209	34.35
163.01		34.349
163.02	23.208	
163.05		
163.14	23.205	34.347
163.24	23.202	34.345
163.34	23.199	34.343
163.44	23.197	34.34
163.54	23.194	34.338
163.64	23.191	34.336
163.74	23.189	34.334
163.84	23.186	34.332
163.94	23.183	34.33
164.	23.182	34.329
164.01	23.181	
164.02		
164.05	23.18	34.328
164.11	23.179	34.356
164.21	23.177	34.423
164.31	23.175	34.506
164.41	23.174	34.603
164.51	23.173	34.71
164.61		34.829
164.71		35.147
164.81	23.175	35.761
164.91	23.177	36.418
165.	23.18	37.042
165.01	23.181	37.108
165.02		37.171
165.05	23.182	37.334
165.14	23.187	37.653
165.24	23.193	37.852
165.34	23.199	37.927
165.44	23.207	37.9
165.54	23.215	37.785
165.64	23.223	37.594
165.74	23.231	37.335
165.84	23.24	37.014
165.94	23.248	36.644
166.	23.253	36.39
166.01		36.35
166.02	23.254	36.312
166.05	23.257	36.206
166.14	23.263	35.95
166.24	23.27	35.715
166.34	23.276	35.516
166.44	23.281	35.343
166.54	23.286	35.19
166.64	23.29	35.053
166.74	23.294	34.928
166.84	23.296	34.885
166.94	23.298	34.874
167.	23.299	34.869
167.01		34.868
167.02		34.867
167.05	23.3	34.865
167.14	23.301	34.859
167.24		34.853

167.34		34.847
167.44		34.843
167.54	23.3	34.838
167.64	23.299	34.834
167.74	23.297	34.831
167.84	23.296	34.827
167.94	23.294	34.824
168.	23.293	34.823
168.01		34.822
168.02	23.292	
168.05		34.821
168.14	23.29	34.819
168.24	23.287	34.816
168.34	23.285	34.814
168.44	23.282	34.811
168.54	23.28	34.809
168.64	23.277	34.806
168.74	23.274	34.804
168.84	23.272	34.801
168.94	23.269	34.799
169.	23.267	34.797
169.01		
169.02	23.266	
169.05		34.796
169.14	23.263	34.794
169.24	23.26	34.792
169.34	23.257	34.789
169.44	23.254	34.787
169.54	23.251	34.785
169.64	23.248	34.782
169.74	23.245	34.78
169.84	23.242	34.778
169.94	23.239	34.775
170.	23.238	34.774
170.01	23.237	
170.02		
170.05	23.236	34.773
170.14	23.234	34.771
170.24	23.231	34.769
170.34	23.228	34.767
170.44	23.225	34.764
170.54	23.222	34.762
170.64	23.22	34.76
170.74	23.217	34.758
170.84	23.214	34.756
170.94	23.212	34.753
171.	23.21	34.752
171.01		
171.02	23.209	
171.05		34.751
171.14	23.206	34.749
171.24	23.204	34.747
171.34	23.201	34.745
171.44	23.199	34.743
171.54	23.196	34.741
171.64	23.194	34.739
171.74	23.191	34.736
171.84	23.189	34.734
171.94	23.186	34.732
172.	23.185	

172.01		34.731
172.02	23.184	
172.05		34.73
172.14	23.182	34.728
172.24	23.179	34.726
172.34	23.177	34.724
172.44	23.175	34.722
172.54	23.173	34.72
172.64	23.17	34.718
172.74	23.168	34.716
172.84	23.166	34.714
172.94	23.164	34.712
173.	23.163	34.711
173.01		
173.02	23.162	
173.05		34.71
173.14	23.16	34.708
173.24	23.158	34.706
173.34	23.156	34.704
173.44	23.154	34.702
173.54	23.152	34.7
173.64	23.15	34.699
173.74	23.148	34.697
173.84	23.146	34.695
173.94	23.144	34.693
174.	23.143	34.692
174.01		34.691
174.02		
174.05	23.142	
174.14	23.141	34.689
174.24	23.139	34.687
174.34	23.137	34.685
174.44	23.135	34.683
174.54	23.134	34.682
174.64	23.132	34.68
174.74	23.13	34.678
174.84	23.129	34.676
174.94	23.127	34.674
175.	23.126	34.673
175.01		
175.02		
175.05	23.125	34.672
175.14	23.124	34.67
175.24	23.122	34.669
175.34	23.121	34.667
175.44	23.119	34.665
175.54	23.118	34.663
175.64	23.116	34.661
175.74	23.115	34.66
175.84	23.113	34.658
175.94	23.112	34.656
176.	23.111	34.655
176.01		
176.02		
176.05	23.11	34.654
176.11	23.109	34.679
176.21	23.108	34.752
176.31		34.841
176.41	23.107	34.945
176.51	23.108	35.061

176.61	23.109	35.188
176.71	23.111	35.326
176.81	23.114	35.559
176.91	23.118	36.272
177.	23.122	36.949
177.01	23.123	37.021
177.02		37.089
177.05	23.125	37.266
177.14	23.131	37.615
177.24	23.138	37.836
177.34	23.147	37.924
177.44	23.156	37.903
177.54	23.165	37.787
177.64	23.175	37.59
177.74	23.185	37.32
177.84	23.195	36.983
177.94	23.205	36.595
178.	23.211	36.325
178.01	23.212	36.283
178.02	23.213	36.243
178.05	23.216	36.132
178.14	23.224	35.863
178.24	23.232	35.618
178.34	23.239	35.411
178.44	23.246	35.323
178.54	23.252	35.301
178.64	23.257	35.284
178.74	23.262	35.269
178.84	23.266	35.256
178.94	23.269	35.246
179.	23.27	35.24
179.01	23.271	35.239
179.02		
179.05	23.272	35.236
179.14	23.273	35.23
179.24	23.275	35.224
179.34		35.218
179.44	23.276	35.213
179.54		35.209
179.64	23.275	35.205
179.74		35.202
179.84	23.274	35.199
179.94	23.273	35.196
180.	23.272	35.195
180.01		
180.02		35.194
180.05	23.271	35.193
180.14	23.27	35.191
180.24	23.268	35.189
180.34	23.266	35.186
180.44	23.264	35.184
180.54	23.262	35.181
180.64	23.26	35.179
180.74	23.258	35.177
180.84	23.255	35.174
180.94	23.253	35.172
181.	23.252	35.171
181.01	23.251	35.17
181.02		
181.05	23.25	

181.14	23.248	35.167
181.24	23.246	35.165
181.34	23.243	35.163
181.44	23.241	35.161
181.54	23.238	35.158
181.64	23.236	35.156
181.74	23.233	35.154
181.84	23.231	35.152
181.94	23.228	35.15
182.	23.227	
182.01	23.226	35.148
182.02		
182.05	23.225	35.147
182.14	23.223	35.145
182.24	23.221	35.143
182.34	23.218	35.141
182.44	23.216	35.139
182.54	23.213	35.136
182.64	23.211	35.134
182.74	23.208	35.132
182.84	23.206	35.13
182.94	23.204	35.128
183.	23.202	35.127
183.01		
183.02		35.126
183.05	23.201	
183.11	23.2	35.153
183.21	23.198	35.228
183.31	23.196	35.321
183.41	23.195	35.427
183.51		35.547
183.61		35.679
183.71	23.196	35.821
183.81	23.199	36.432
183.91	23.202	37.164
184.	23.206	37.859
184.01		37.933
184.02	23.207	38.003
184.05	23.208	38.184
184.14	23.214	38.541
184.24	23.221	38.763
184.34	23.229	38.849
184.44	23.237	38.821
184.54	23.246	38.696
184.64	23.256	38.487
184.74	23.266	38.202
184.84	23.275	37.848
184.94	23.285	37.44
185.	23.29	37.159
185.01	23.291	37.115
185.02	23.292	37.072
185.05	23.295	36.956
185.14	23.303	36.674
185.24	23.311	36.416
185.34	23.318	36.197
185.44	23.324	36.008
185.54	23.33	35.84
185.64	23.335	35.773
185.74	23.339	35.758
185.84	23.342	35.744

185.94	23.345	35.733
186.	23.346	35.727
186.01		
186.02		
186.05	23.347	35.735
186.11	23.348	35.765
186.21	23.349	35.839
186.3	23.35	35.927
186.4	23.352	36.209
186.5	23.353	36.693
186.6	23.355	37.248
186.7	23.357	37.866
186.8	23.36	38.542
186.9	23.364	39.273
187.	23.37	40.062
187.01		40.136
187.02	23.371	40.207
187.05	23.372	40.388
187.14	23.378	40.735
187.24	23.385	40.937
187.34	23.393	40.996
187.44	23.402	40.936
187.54	23.411	40.775
187.64	23.421	40.525
187.74	23.431	40.196
187.84	23.44	39.795
187.94	23.449	39.328
188.	23.454	39.025
188.01	23.455	38.977
188.02	23.456	38.929
188.05	23.459	38.799
188.14	23.466	38.48
188.24	23.473	38.185
188.34	23.48	37.933
188.44	23.486	37.712
188.54	23.49	37.516
188.64	23.494	37.339
188.74	23.497	37.179
188.84	23.5	37.031
188.94	23.501	36.895
189.	23.502	36.817
189.01		36.804
189.02		36.791
189.05		36.754
189.14		36.648
189.24		36.538
189.34	23.501	36.434
189.44	23.5	36.337
189.54	23.498	36.293
189.64	23.496	36.288
189.74	23.493	36.283
189.84	23.491	36.279
189.94	23.488	36.275
190.	23.486	36.273
190.01	23.485	36.272
190.02		
190.05	23.484	36.271
190.14	23.481	36.268
190.24	23.477	36.264
190.34	23.474	36.261

190.44	23.47	36.258
190.54	23.466	36.254
190.64	23.462	36.251
190.74	23.458	36.248
190.84	23.454	36.245
190.94	23.45	36.242
191.	23.447	36.24
191.01		
191.02	23.446	36.239
191.05	23.445	36.238
191.14	23.441	36.236
191.24	23.437	36.233
191.34	23.433	36.23
191.44	23.429	36.227
191.54	23.425	36.224
191.64	23.42	36.221
191.74	23.416	36.218
191.84	23.412	36.215
191.94	23.408	36.212
192.	23.406	36.21
192.01	23.405	
192.02		
192.05	23.403	36.209
192.14	23.4	36.206
192.24	23.396	36.203
192.34	23.392	36.201
192.44	23.388	36.198
192.54	23.384	36.195
192.64	23.38	36.192
192.74	23.376	36.19
192.84	23.373	36.187
192.94	23.369	36.184
193.	23.367	36.183
193.01	23.366	36.182
193.02		
193.05	23.365	36.181
193.14	23.361	36.179
193.24	23.358	36.176
193.34	23.354	36.174
193.44	23.351	36.171
193.54	23.347	36.168
193.64	23.344	36.166
193.74	23.34	36.163
193.84	23.337	36.161
193.94	23.334	36.158
194.	23.332	36.157
194.01	23.331	36.156
194.02		
194.05	23.33	36.155
194.11	23.328	36.186
194.16	23.327	36.223
194.22	23.325	36.267
194.32	23.323	36.365
194.42	23.321	36.478
194.52	23.32	36.605
194.62		36.744
194.72		37.258
194.82	23.322	37.977
194.92	23.325	38.746
195.	23.328	39.413

195.01		39.49
195.02	23.329	39.563
195.05	23.33	39.752
195.14	23.335	40.124
195.24	23.342	40.354
195.34	23.349	40.441
195.44	23.358	40.408
195.54	23.367	40.274
195.64	23.376	40.051
195.74	23.386	39.748
195.84	23.395	39.372
195.94	23.404	38.941
196.	23.41	38.643
196.01	23.411	38.599
196.02	23.412	38.559
196.05	23.415	38.466
196.14	23.422	38.374
196.24	23.431	38.443
196.34	23.439	38.645
196.44	23.446	38.958
196.54	23.454	39.363
196.64	23.461	39.85
196.74	23.469	40.409
196.84	23.477	41.034
196.94	23.485	41.719
197.	23.49	42.151
197.01	23.491	42.219
197.02	23.492	42.283
197.05	23.495	42.447
197.14	23.503	42.746
197.24	23.513	42.903
197.34	23.523	42.92
197.44	23.534	42.822
197.54	23.545	42.627
197.64	23.555	42.347
197.74	23.566	41.99
197.84	23.576	41.564
197.94	23.586	41.073
198.	23.592	40.757
198.01	23.593	40.706
198.02	23.594	40.657
198.05	23.596	40.52
198.14	23.604	40.182
198.24	23.611	39.868
198.34	23.618	39.597
198.44	23.623	39.358
198.54	23.628	39.145
198.64	23.632	38.952
198.74	23.635	38.776
198.84	23.636	38.613
198.94	23.638	38.463
199.		38.377
199.01		38.362
199.02		38.348
199.05		38.307
199.14		38.189
199.24	23.637	38.066
199.34	23.635	37.95
199.44	23.633	37.841
199.54	23.631	37.737

199.64	23.628	37.638
199.74	23.625	37.544
199.84	23.622	37.454
199.94	23.618	37.368
200.	23.616	37.331
200.01	23.615	37.33
200.02		
200.05	23.614	37.329
200.14	23.61	37.325
200.24	23.606	37.321
200.34	23.601	37.317
200.44	23.597	37.314
200.54	23.592	37.31
200.64	23.588	37.306
200.74	23.583	37.303
200.84	23.578	37.299
200.94	23.573	37.296
201.	23.57	37.294
201.01		37.293
201.02	23.569	
201.05	23.568	37.292
201.1	23.566	37.318
201.2	23.561	37.395
201.29	23.557	37.48
201.38	23.554	37.637
201.48	23.551	38.139
201.58	23.549	38.71
201.68	23.547	39.344
201.78	23.546	40.035
201.88	23.547	40.781
201.94	23.548	41.257
202.	23.549	41.752
202.01	23.55	41.829
202.02		41.902
202.05	23.551	42.09
202.14	23.554	42.452
202.24	23.559	42.669
202.34	23.565	42.738
202.44	23.572	42.686
202.54	23.58	42.53
202.64	23.587	42.283
202.74	23.596	41.955
202.84	23.604	41.554
202.94	23.612	41.09
203.	23.616	40.78
203.01	23.617	40.731
203.02	23.618	40.683
203.05	23.62	40.553
203.14	23.626	40.232
203.24	23.633	39.935
203.34	23.638	39.682
203.44	23.643	39.46
203.54	23.647	39.262
203.64	23.65	39.084
203.74	23.652	38.921
203.84	23.654	38.772
203.94	23.655	38.634
204.		38.555
204.01		38.542
204.02		38.529

204.05		38.491
204.14	23.654	38.383
204.24	23.653	38.27
204.34	23.652	38.164
204.44	23.65	38.064
204.54	23.647	37.969
204.64	23.645	37.878
204.74	23.642	37.862
204.84	23.638	37.857
204.94	23.635	37.853
205.	23.633	37.85
205.01	23.632	
205.02		37.849
205.05	23.631	37.848
205.14	23.627	37.845
205.24	23.623	37.841
205.34	23.619	37.837
205.44	23.615	37.834
205.54	23.61	37.83
205.64	23.606	37.826
205.74	23.601	37.823
205.84	23.597	37.819
205.94	23.592	37.816
206.	23.589	37.814
206.01		37.813
206.02	23.588	
206.04	23.587	37.812
206.09	23.585	37.835
206.18	23.581	37.906
206.26	23.578	37.986
206.35	23.575	38.078
206.45	23.572	38.393
206.55	23.57	38.976
206.65	23.568	39.627
206.75		40.339
206.85		41.108
206.95	23.571	41.931
207.	23.572	42.363
207.01		42.443
207.02	23.573	42.52
207.05	23.574	42.718
207.14	23.578	43.101
207.24	23.583	43.331
207.34	23.59	43.408
207.44	23.598	43.357
207.54	23.606	43.197
207.64	23.615	42.943
207.74	23.623	42.603
207.84	23.632	42.186
207.94	23.641	41.705
208.	23.646	41.382
208.01	23.647	41.331
208.02	23.648	41.282
208.05	23.65	41.145
208.14	23.657	40.812
208.24	23.664	40.505
208.34	23.67	40.242
208.44	23.676	40.013
208.54	23.68	39.809
208.64	23.684	39.625

208.74	23.687	39.457
208.84	23.689	39.303
208.94	23.69	39.161
209.		39.079
209.01		39.066
209.02		39.052
209.05	23.691	39.013
209.14	23.69	38.902
209.24		38.787
209.34	23.688	38.678
209.44	23.687	38.574
209.54	23.684	38.477
209.64	23.682	38.419
209.74	23.679	38.414
209.84	23.676	38.409
209.94	23.672	38.404
210.	23.67	38.401
210.01		
210.02		
210.05	23.668	38.399
210.14	23.665	38.396
210.24	23.661	38.392
210.34	23.657	38.388
210.44	23.653	38.384
210.54	23.648	38.381
210.64	23.644	38.377
210.74	23.64	38.373
210.84	23.635	38.37
210.94	23.63	38.366
211.	23.628	38.364
211.01	23.627	
211.02		38.363
211.04	23.626	
211.09	23.624	38.387
211.18	23.62	38.459
211.26	23.617	38.541
211.35	23.614	38.636
211.45	23.611	38.916
211.55	23.608	39.517
211.65	23.607	40.186
211.75		40.919
211.85	23.608	41.71
211.95	23.61	42.557
212.	23.612	43.004
212.01		43.087
212.02		43.166
212.05	23.613	43.369
212.14	23.618	43.763
212.24	23.624	44.001
212.34	23.631	44.079
212.44	23.638	44.027
212.54	23.647	43.863
212.64	23.656	43.601
212.74	23.665	43.252
212.84	23.675	42.823
212.94	23.684	42.328
213.	23.689	41.995
213.01	23.69	41.945
213.02	23.691	41.899
213.05	23.693	41.793

213.14	23.701	41.679
213.21	23.706	41.689
213.28	23.712	41.778
213.38	23.719	42.042
213.48	23.726	42.418
213.58	23.733	42.892
213.68	23.74	43.451
213.78	23.748	44.086
213.88	23.755	44.792
213.94	23.76	45.251
214.	23.765	45.734
214.01	23.766	45.808
214.02	23.767	45.878
214.05	23.77	46.056
214.14	23.778	46.379
214.24	23.788	46.542
214.34	23.798	46.551
214.44	23.808	46.433
214.54	23.819	46.208
214.64	23.83	45.889
214.74	23.84	45.485
214.84	23.851	45.004
214.94	23.86	44.453
215.	23.866	44.098
215.01	23.867	44.043
215.02	23.868	43.993
215.05	23.871	43.874
215.14	23.878	43.733
215.22	23.884	43.736
215.29	23.89	43.837
215.39	23.897	44.108
215.49	23.904	44.496
215.59	23.911	44.983
215.69	23.917	45.561
215.79	23.924	46.218
215.89	23.931	46.949
215.95	23.935	47.364
216.	23.939	47.798
216.01	23.94	47.877
216.02	23.941	47.954
216.05	23.943	48.168
216.14	23.951	48.72
216.24	23.96	49.254
216.34	23.971	49.73
216.44	23.982	50.162
216.54	23.995	50.558
216.64	24.008	50.925
216.74	24.022	51.268
216.84	24.037	51.589
216.94	24.053	51.893
217.	24.063	52.068
217.01	24.064	52.098
217.02	24.066	52.127
217.05	24.071	52.214
217.14	24.086	52.469
217.24	24.104	52.744
217.34	24.122	53.013
217.44	24.14	53.274
217.54	24.159	53.529
217.64	24.177	53.778
217.74		

	24.196	54.021
217.84	24.215	54.258
217.94	24.235	54.491
218.	24.246	54.628
218.01	24.248	54.651
218.02	24.25	54.674
218.05	24.256	54.742
218.14	24.273	54.943
218.24	24.292	55.162
218.34	24.312	55.377
218.44	24.331	55.588
218.54	24.35	55.796
218.64	24.369	56.
218.74	24.388	56.201
218.84	24.407	56.399
218.94	24.426	56.595
219.	24.438	56.711
219.01	24.44	56.73
219.02	24.441	56.749
219.05	24.447	56.807
219.14	24.464	56.977
219.24	24.482	57.164
219.34	24.501	57.348
219.44	24.519	57.529
219.54	24.537	57.708
219.64	24.555	57.885
219.74	24.573	58.06
219.84	24.59	58.232
219.94	24.608	58.403
220.	24.618	58.504
220.01	24.62	58.521
220.02	24.622	58.538
220.05	24.627	58.588
220.14	24.642	58.738
220.24	24.66	58.901
220.34	24.676	59.063
220.44	24.693	59.222
220.54	24.71	59.379
220.64	24.726	59.535
220.74	24.742	59.689
220.84	24.758	59.841
220.94	24.774	59.992
221.	24.784	60.081
221.01	24.785	60.094
221.02	24.787	60.104
221.05	24.791	60.115
221.14	24.805	60.02
221.24	24.82	59.788
221.34	24.834	59.452
221.44	24.848	59.028
221.54	24.86	58.527
221.64	24.872	57.955
221.74	24.883	57.318
221.84	24.892	56.622
221.94	24.899	55.871
222.	24.904	55.4
222.01		55.324
222.02	24.905	55.249
222.05	24.907	55.039
222.14	24.911	54.499

222.24	24.914	53.975
222.34	24.915	53.509
222.44		53.086
222.54	24.914	52.699
222.64	24.911	52.34
222.74	24.906	52.006
222.84	24.901	51.693
222.94	24.894	51.399
223.	24.889	51.228
223.01		51.202
223.02	24.888	51.179
223.05	24.885	51.131
223.14	24.878	
223.23	24.87	51.241
223.31	24.862	51.443
223.41	24.853	51.78
223.51	24.844	52.209
223.61	24.835	52.72
223.71	24.827	53.306
223.81	24.82	53.961
223.91	24.813	54.681
224.	24.809	55.346
224.01	24.808	55.421
224.02		55.494
224.05	24.806	55.698
224.14	24.803	56.217
224.24	24.801	56.712
224.34	24.8	57.147
224.44	24.801	57.536
224.54	24.803	57.888
224.64	24.806	58.21
224.74	24.811	58.507
224.84	24.816	58.782
224.94	24.823	59.038
225.	24.827	59.185
225.01	24.828	59.21
225.02	24.829	59.234
225.05	24.831	59.308
225.14	24.839	59.529
225.24	24.848	59.771
225.34	24.858	60.009
225.44	24.868	60.244
225.54	24.879	60.475
225.64	24.89	60.702
225.74	24.902	60.926
225.84	24.914	61.147
225.94	24.926	61.365
226.	24.934	61.495
226.01	24.935	61.517
226.02	24.936	61.538
226.05	24.94	61.601
226.14	24.952	61.784
226.24	24.965	61.98
226.34	24.978	62.17
226.44	24.991	62.355
226.54	25.005	62.535
226.64	25.019	62.711
226.74	25.032	62.883
226.84	25.046	63.051
226.94	25.06	63.216

227.	25.068	63.313
227.01	25.069	63.33
227.02	25.071	63.346
227.05	25.075	63.392
227.14	25.087	63.525
227.24	25.101	63.664
227.34	25.114	63.795
227.44	25.128	63.92
227.54	25.141	64.039
227.64	25.155	64.153
227.74	25.168	64.262
227.84	25.181	64.366
227.94	25.194	64.466
228.	25.202	64.524
228.01	25.203	64.534
228.02	25.205	64.544
228.05	25.208	64.575
228.14	25.22	64.678
228.24	25.232	64.8
228.34	25.245	64.926
228.44	25.257	65.058
228.54	25.269	65.192
228.64	25.281	65.33
228.74	25.293	65.47
228.84	25.305	65.612
228.94	25.317	65.756
229.	25.324	65.843
229.01	25.325	65.857
229.02	25.326	65.872
229.05	25.33	65.914
229.14	25.34	66.036
229.24	25.351	66.168
229.34	25.363	66.296
229.44	25.374	66.421
229.54	25.386	66.544
229.64	25.397	66.665
229.74	25.408	66.783
229.84	25.419	66.9
229.94	25.43	67.016
230.	25.437	67.084
230.01	25.438	67.096
230.02	25.439	67.107
230.05	25.442	67.141
230.14	25.452	67.243
230.24	25.463	67.354
230.34	25.473	67.464
230.44	25.484	67.573
230.54	25.495	67.681
230.64	25.505	67.788
230.74	25.516	67.894
230.84	25.526	67.998
230.94	25.536	68.102
231.	25.542	68.164
231.01	25.544	68.174
231.02	25.545	68.185
231.05	25.548	68.215
231.14	25.557	68.307
231.24	25.567	68.407
231.34	25.577	68.506
231.44	25.587	68.604
231.54		

	25.596	68.702
231.64	25.606	68.798
231.74	25.616	68.893
231.84	25.625	68.988
231.94	25.635	69.082
232.	25.64	69.137
232.01	25.641	69.149
232.02	25.642	69.163
232.05	25.645	69.221
232.14	25.654	69.51
232.24	25.663	69.943
232.34	25.673	70.468
232.44	25.684	71.07
232.54	25.695	71.74
232.64	25.707	72.472
232.74	25.719	73.26
232.84	25.733	74.099
232.94	25.748	74.987
233.	25.757	75.536
233.01	25.758	75.624
233.02	25.76	75.708
233.05	25.765	75.929
233.14	25.78	76.393
233.24	25.797	76.725
233.34	25.816	76.91
233.44	25.835	76.976
233.54	25.855	76.938
233.64	25.875	76.81
233.74	25.895	76.602
233.84	25.915	76.32
233.94	25.935	75.971
234.	25.947	75.738
234.01	25.949	75.701
234.02	25.951	75.665
234.05	25.956	75.57
234.14	25.973	75.354
234.24	25.991	75.171
234.34	26.008	75.03
234.44	26.024	74.919
234.54	26.04	74.83
234.64	26.054	74.76
234.74	26.068	74.704
234.84	26.08	74.66
234.94	26.092	74.626
235.	26.099	74.609
235.01	26.1	74.606
235.02	26.101	74.603
235.05	26.104	74.596
235.14	26.113	74.579
235.24	26.123	74.566
235.34	26.132	74.558
235.44	26.14	74.554
235.54	26.148	74.555
235.64	26.156	74.558
235.74	26.163	74.565
235.84	26.17	74.575
235.94	26.176	74.587
236.	26.18	74.594
236.01		74.596
236.02	26.181	74.597

236.05	26.183	74.601
236.14	26.188	74.616
236.24	26.194	74.634
236.34	26.199	74.653
236.44	26.204	74.674
236.54	26.209	74.696
236.64	26.214	74.72
236.74	26.218	74.744
236.84	26.223	74.769
236.94	26.227	74.795
237.	26.23	74.811
237.01		74.816
237.02	26.231	74.822
237.05	26.232	74.86
237.14	26.236	75.085
237.24	26.24	75.444
237.34	26.245	75.893
237.44	26.251	76.419
237.54	26.257	77.012
237.64	26.263	77.665
237.74	26.27	78.374
237.84	26.279	79.134
237.94	26.288	79.941
238.	26.294	80.443
238.01	26.295	80.522
238.02	26.296	80.598
238.05	26.299	80.797
238.14	26.31	81.204
238.24	26.322	81.479
238.34	26.335	81.615
238.44	26.349	81.636
238.54	26.363	81.558
238.64	26.378	81.395
238.74	26.393	81.155
238.84	26.408	80.845
238.94	26.423	80.471
239.	26.432	80.224
239.01	26.433	80.189
239.02	26.435	80.16
239.05	26.439	80.115
239.14	26.452	80.279
239.24	26.466	80.736
239.34	26.48	81.413
239.44	26.494	82.274
239.54	26.509	83.292
239.64	26.525	84.449
239.74	26.541	85.731
239.84	26.558	87.127
239.94	26.577	88.629
240.	26.59	89.567
240.01	26.592	89.718
240.02	26.594	89.864
240.05	26.6	90.261
240.14	26.62	91.19
240.24	26.644	91.986
240.34	26.67	92.6
240.44	26.697	93.065
240.54	26.726	93.408
240.64	26.755	93.643
240.74	26.786	93.785

240.84	26.818	93.842
240.94	26.85	93.822
241.	26.869	93.784
241.01	26.872	93.777
241.02	26.875	93.769
241.05	26.885	93.737
241.14	26.914	93.576
241.24	26.945	93.325
241.34	26.976	93.009
241.44	27.006	92.632
241.54	27.035	92.197
241.64	27.062	91.709
241.74	27.088	91.17
241.84	27.112	90.581
241.94	27.134	89.947
242.	27.147	89.55
242.01	27.149	89.485
242.02	27.151	89.423
242.05	27.157	89.249
242.14	27.174	88.813
242.24	27.191	88.405
242.34	27.206	88.053
242.44	27.219	87.743
242.54	27.23	87.469
242.64	27.24	87.222
242.74	27.248	87.
242.84	27.255	86.798
242.94	27.26	86.614
243.	27.263	86.509
243.01		86.494
243.02	27.264	86.481
243.05	27.265	86.46
243.14	27.268	86.515
243.24	27.27	86.695
243.34	27.272	86.973
243.44	27.274	87.334
243.54	27.276	87.769
243.64	27.278	88.27
243.74	27.28	88.833
243.84	27.283	89.452
243.94	27.286	90.123
244.	27.288	90.544
244.01	27.289	90.61
244.02		90.673
244.05	27.29	90.832
244.14	27.295	91.124
244.24	27.3	91.275
244.34	27.306	91.291
244.44	27.313	91.195
244.54	27.32	91.003
244.64	27.327	90.729
244.74	27.335	90.38
244.84	27.342	89.965
244.94	27.349	89.487
245.	27.353	89.179
245.01	27.354	89.134
245.02		89.094
245.05	27.356	89.02
245.14	27.362	89.097
245.24	27.369	89.463

245.34	27.375	90.052
245.44	27.382	90.827
245.54	27.389	91.762
245.64	27.396	92.839
245.74	27.405	94.044
245.84	27.415	95.366
245.94	27.426	96.795
246.	27.433	97.69
246.01	27.435	97.832
246.02	27.436	97.966
246.05	27.44	98.31
246.14	27.453	98.965
246.24	27.469	99.343
246.34	27.486	99.445
246.44	27.504	99.32
246.54	27.523	99.003
246.64	27.543	98.516
246.74	27.563	97.878
246.84	27.582	97.104
246.94	27.601	96.203
247.	27.612	95.62
247.01	27.614	95.526
247.02	27.616	95.435
247.05	27.621	95.185
247.14	27.636	94.574
247.24	27.652	94.013
247.34	27.666	93.535
247.44	27.678	93.12
247.54	27.689	92.753
247.64	27.698	92.424
247.74	27.705	92.127
247.84	27.711	91.856
247.94	27.715	91.608
248.	27.717	91.466
248.01	27.718	91.445
248.02		91.426
248.05	27.719	91.387
248.14	27.72	91.397
248.24	27.721	91.531
248.34	27.722	91.768
248.44		92.092
248.54		92.494
248.64	27.721	92.965
248.74	27.722	93.5
248.84		94.093
248.94	27.723	94.74
249.	27.724	95.148
249.01		95.214
249.02		95.279
249.05	27.725	95.461
249.14	27.728	95.933
249.24	27.731	96.395
249.34	27.736	96.81
249.44	27.741	97.19
249.54	27.748	97.543
249.64	27.756	97.874
249.74	27.764	98.186
249.84	27.774	98.483
249.94	27.784	98.765
250.	27.791	98.93

250.01	27.792	98.958
250.02	27.793	98.985
250.05	27.796	99.066
250.14	27.807	99.299
250.24	27.819	99.548
250.34	27.832	99.789
250.44	27.846	100.02
250.54	27.859	100.25
250.64	27.874	100.47
250.74	27.888	100.68
250.84	27.903	100.89
250.94	27.918	101.09
251.	27.927	101.21
251.01	27.928	101.23
251.02	27.93	101.25
251.05	27.934	101.28
251.14	27.948	101.26
251.24	27.962	101.14
251.34	27.977	100.93
251.44	27.991	100.64
251.54	28.005	100.29
251.64	28.018	99.871
251.74	28.03	99.402
251.84	28.041	98.882
251.94	28.051	98.315
252.	28.057	97.958
252.01	28.058	97.902
252.02	28.059	97.85
252.05	28.062	97.72
252.14	28.069	97.508
252.24	28.076	97.437
252.34	28.082	97.496
252.44	28.088	97.661
252.54	28.093	97.917
252.64	28.097	98.253
252.74	28.101	98.659
252.84	28.105	99.129
252.94	28.109	99.658
253.	28.111	99.995
253.01	28.112	100.05
253.02		100.1
253.05	28.113	100.25
253.14	28.118	100.63
253.24	28.123	101.
253.34	28.128	101.33
253.44	28.134	101.63
253.54	28.141	101.91
253.64	28.149	102.16
253.74	28.157	102.41
253.84	28.165	102.63
253.94	28.175	102.85
254.	28.18	102.98
254.01	28.181	103.
254.02	28.182	103.02
254.05	28.185	103.09
254.14	28.195	103.28
254.24	28.205	103.5
254.34	28.217	103.73
254.44	28.228	103.95
254.54	28.24	104.18

254.64	28.252	104.4
254.74	28.265	104.62
254.84	28.277	104.85
254.94	28.29	105.08
255.	28.298	105.21
255.01	28.299	105.23
255.02	28.301	105.25
255.05	28.305	105.32
255.14	28.317	105.49
255.24	28.33	105.66
255.34	28.344	105.82
255.44	28.357	105.96
255.54	28.371	106.09
255.64	28.385	106.22
255.74	28.398	106.34
255.84	28.412	106.44
255.94	28.426	106.54
256.	28.434	106.6
256.01	28.435	106.61
256.02	28.437	106.63
256.05	28.441	106.68
256.14	28.453	106.97
256.24	28.467	107.39
256.34	28.481	107.89
256.44	28.496	108.47
256.54	28.511	109.11
256.64	28.526	109.8
256.74	28.542	110.55
256.84	28.559	111.34
256.94	28.576	112.18
257.	28.587	112.7
257.01	28.589	112.78
257.02	28.591	112.86
257.05	28.597	113.07
257.14	28.614	113.52
257.24	28.634	113.85
257.34	28.655	114.05
257.44	28.676	114.14
257.54	28.698	
257.64	28.72	114.05
257.74	28.742	113.89
257.84	28.764	113.67
257.94	28.786	113.38
258.	28.799	113.19
258.01	28.801	113.16
258.02	28.803	113.13
258.05	28.809	113.05
258.14	28.828	112.88
258.24	28.848	112.75
258.34	28.868	112.65
258.44	28.886	112.59
258.54	28.904	112.54
258.64	28.92	112.51
258.74	28.936	112.49
258.84	28.952	
258.94	28.966	
259.	28.974	112.5
259.01	28.976	
259.02	28.977	
259.05	28.981	112.51

259.14	28.993	112.52
259.24	29.005	112.55
259.34	29.017	112.58
259.44	29.028	112.61
259.54	29.039	112.65
259.64	29.049	112.69
259.74	29.059	112.74
259.84	29.068	112.78
259.94	29.078	112.83
260.	29.083	112.86
260.01	29.084	112.87
260.02	29.085	
260.05	29.088	112.86
260.14	29.095	112.73
260.24	29.103	112.49
260.34	29.111	112.17
260.44	29.118	111.79
260.54	29.124	111.35
260.64	29.129	110.86
260.74	29.134	110.32
260.84	29.138	109.73
260.94	29.14	109.11
261.	29.141	108.72
261.01	29.142	108.65
261.02		108.59
261.05		108.42
261.14		107.95
261.24	29.141	107.5
261.34	29.139	107.09
261.44	29.136	106.71
261.54	29.132	106.35
261.64	29.126	106.02
261.74	29.12	105.71
261.84	29.113	105.41
261.94	29.104	105.12
262.	29.099	104.96
262.01	29.098	104.93
262.02	29.097	104.9
262.05	29.094	104.82
262.14	29.086	104.6
262.24	29.075	104.37
262.34	29.064	104.16
262.44	29.053	103.96
262.54	29.041	103.78
262.64	29.029	103.6
262.74	29.017	103.44
262.84	29.004	103.29
262.94	28.992	103.14
263.	28.984	103.05
263.01	28.983	103.04
263.02	28.981	103.03
263.05	28.978	102.98
263.14	28.966	102.85
263.24	28.953	102.7
263.34	28.94	102.55
263.44	28.927	102.4
263.54	28.915	102.25
263.64	28.902	102.1
263.74	28.889	101.95
263.84	28.877	101.8

263.94	28.864	101.65
264.	28.857	101.57
264.01	28.855	101.55
264.02	28.854	101.54
264.05	28.85	101.53
264.14	28.839	101.59
264.24	28.828	101.77
264.34	28.816	102.03
264.44	28.805	102.37
264.54	28.795	102.77
264.64	28.786	103.23
264.74	28.777	103.75
264.84	28.77	104.31
264.94	28.763	104.92
265.	28.76	105.31
265.01	28.759	105.37
265.02		105.43
265.05	28.757	105.6
265.14	28.754	106.04
265.24	28.751	106.48
265.34	28.75	106.87
265.44	28.749	107.22
265.54	28.75	107.55
265.64	28.753	107.85
265.74	28.756	108.14
265.84	28.761	108.41
265.94	28.766	108.67
266.	28.77	108.82
266.01		108.84
266.02	28.771	108.87
266.05	28.773	108.94
266.14	28.779	109.15
266.24	28.787	109.38
266.34	28.796	109.6
266.44	28.805	109.82
266.54	28.814	110.02
266.64	28.825	110.22
266.74	28.835	110.42
266.84	28.846	110.61
266.94	28.857	110.79
267.	28.864	110.9
267.01	28.865	110.92
267.02	28.866	110.95
267.05	28.87	111.03
267.14	28.88	111.37
267.24	28.893	111.85
267.34	28.906	112.4
267.44	28.919	113.02
267.54	28.933	113.7
267.64	28.948	114.43
267.74	28.963	115.21
267.84	28.98	116.03
267.94	28.997	116.89
268.	29.008	117.43
268.01	29.01	117.51
268.02	29.012	117.59
268.05	29.018	117.81
268.14	29.035	118.3
268.24	29.056	118.69
268.34	29.077	118.95

268.44	29.099	119.11
268.54	29.121	119.18
268.64	29.144	
268.74	29.167	119.1
268.84	29.19	118.96
268.94	29.213	118.77
269.	29.227	118.63
269.01	29.229	118.61
269.02	29.231	118.59
269.05	29.238	118.54
269.14	29.258	118.43
269.24	29.28	118.34
269.34	29.301	118.28
269.44	29.322	118.24
269.54	29.342	118.21
269.64	29.361	118.18
269.74	29.379	118.17
269.84	29.396	118.16
269.94	29.413	
270.	29.423	118.15
270.01	29.424	
270.02	29.426	
270.05	29.431	118.16
270.14	29.444	118.19
270.24	29.459	118.25
270.34	29.473	118.32
270.44	29.487	118.41
270.54	29.5	118.5
270.64	29.513	118.61
270.74	29.525	118.72
270.84	29.537	118.85
270.94	29.549	118.98
271.	29.556	119.06
271.01	29.557	119.07
271.02	29.558	119.08
271.05	29.562	119.12
271.14	29.572	119.22
271.24	29.583	119.31
271.34	29.594	119.39
271.44	29.605	119.47
271.54	29.615	119.54
271.64	29.626	119.61
271.74	29.636	119.67
271.84	29.647	119.73
271.94	29.657	119.78
272.	29.663	119.81
272.01	29.664	119.82
272.02	29.665	119.83
272.05	29.668	119.87
272.14	29.677	120.12
272.24	29.687	120.5
272.34	29.698	120.97
272.44	29.709	121.51
272.54	29.72	122.12
272.64	29.732	122.79
272.74	29.744	123.51
272.84	29.757	124.28
272.94	29.771	125.1
273.	29.78	125.6
273.01	29.781	125.68

273.02	29.783	125.76
273.05	29.788	125.96
273.14	29.802	126.39
273.24	29.818	126.7
273.34	29.836	126.88
273.44	29.854	126.95
273.54	29.872	126.92
273.64	29.891	126.81
273.74	29.91	126.63
273.84	29.929	126.38
273.94	29.948	126.07
274.	29.959	125.87
274.01	29.961	125.84
274.02	29.963	125.8
274.05	29.968	125.72
274.14	29.984	125.53
274.24	30.002	125.38
274.34	30.018	125.27
274.44	30.034	125.18
274.54	30.05	125.11
274.64	30.064	125.06
274.74	30.078	125.03
274.84	30.09	125.
274.94	30.103	124.99
275.	30.11	
275.01	30.111	
275.02	30.112	
275.05	30.115	125.02
275.14	30.125	125.21
275.24	30.136	125.54
275.34	30.146	125.96
275.44	30.157	126.46
275.54	30.168	127.03
275.64	30.178	127.65
275.74	30.19	128.34
275.84	30.202	129.08
275.94	30.214	129.86
276.	30.222	130.35
276.01	30.223	130.43
276.02	30.225	130.5
276.05	30.229	130.67
276.14	30.241	130.89
276.24	30.256	130.87
276.34	30.27	130.64
276.44	30.285	130.23
276.54	30.3	129.67
276.64	30.314	128.97
276.74	30.328	128.15
276.84	30.341	127.22
276.94	30.353	126.18
277.	30.36	125.53
277.01	30.361	125.42
277.02	30.362	125.32
277.05	30.365	125.06
277.14	30.373	124.52
277.24	30.381	124.13
277.34	30.387	123.91
277.44	30.393	123.82
277.54	30.396	123.84
277.64	30.399	123.96

277.74	30.4	124.17
277.84	30.401	124.45
277.94		124.8
278.		125.04
278.01		125.07
278.02		125.1
278.05		125.18
278.14	30.4	125.23
278.24	30.399	125.15
278.34	30.398	124.96
278.44	30.397	124.67
278.54	30.395	124.3
278.64	30.393	123.87
278.74	30.391	123.38
278.84	30.389	122.83
278.94	30.386	122.23
279.	30.383	121.85
279.01		121.79
279.02		121.74
279.05	30.382	121.6
279.14	30.378	121.35
279.24	30.373	121.23
279.34	30.368	121.24
279.44	30.363	121.36
279.54	30.357	121.56
279.64	30.351	121.85
279.74	30.345	122.2
279.84	30.34	122.61
279.94	30.334	123.08
280.	30.331	123.39
280.01		123.44
280.02	30.33	123.49
280.05	30.329	123.62
280.14	30.325	123.95
280.24	30.321	124.27
280.34	30.318	124.56
280.44	30.316	124.81
280.54	30.315	125.04
280.64	30.314	125.26
280.74		125.46
280.84	30.315	125.65
280.94	30.317	125.83
281.	30.319	125.94
281.01		125.95
281.02		125.97
281.05	30.32	126.02
281.14	30.323	126.19
281.24	30.327	126.38
281.34	30.331	126.58
281.44	30.336	126.77
281.54	30.342	126.97
281.64	30.348	127.17
281.74	30.354	127.37
281.84	30.361	127.57
281.94	30.368	127.78
282.	30.372	127.9
282.01	30.373	127.92
282.02	30.374	127.94
282.05	30.376	127.97
282.14	30.383	127.93

282.24	30.39	127.77
282.34	30.398	127.52
282.44	30.405	127.18
282.54	30.412	126.77
282.64	30.419	126.29
282.74	30.425	125.75
282.84	30.43	125.16
282.94	30.435	124.52
283.	30.437	124.12
283.01		124.06
283.02	30.438	124.
283.05	30.439	123.85
283.14	30.441	123.58
283.24	30.443	123.45
283.34	30.444	123.46
283.44		123.58
283.54		123.8
283.64	30.443	124.09
283.74	30.442	124.46
283.84	30.441	124.9
283.94	30.44	125.4
284.	30.439	125.72
284.01		125.77
284.02		125.81
284.05		125.93
284.14	30.438	126.09
284.24		126.12
284.34	30.437	126.03
284.44	30.438	125.83
284.54		125.55
284.64		125.2
284.74	30.439	124.78
284.84		124.3
284.94		123.76
285.		123.42
285.01	30.438	123.37
285.02		123.32
285.05		123.2
285.14		123.03
285.24	30.436	123.02
285.34	30.435	123.15
285.44	30.434	123.38
285.54	30.432	123.72
285.64	30.43	124.14
285.74	30.429	124.63
285.84	30.427	125.2
285.94		125.82
286.		126.22
286.01	30.426	126.29
286.02		126.35
286.05		126.52
286.14	30.427	126.96
286.24	30.428	127.38
286.34	30.431	127.75
286.44	30.434	128.07
286.54	30.438	128.37
286.64	30.443	128.64
286.74	30.449	128.88
286.84	30.455	129.11
286.94	30.463	129.32

287.	30.468	129.44
287.01		129.46
287.02	30.469	129.48
287.05	30.472	129.51
287.14	30.479	129.49
287.24	30.488	129.37
287.34	30.497	129.15
287.44	30.507	128.85
287.54	30.515	128.49
287.64	30.524	128.06
287.74	30.532	127.57
287.84	30.54	127.04
287.94	30.546	126.45
288.	30.55	126.08
288.01	30.551	126.02
288.02		125.97
288.05	30.553	125.84
288.14	30.557	125.63
288.24	30.562	125.57
288.34	30.565	125.65
288.44	30.568	125.84
288.54	30.571	126.13
288.64	30.573	126.5
288.74	30.575	126.95
288.84	30.576	127.47
288.94	30.579	128.05
289.	30.58	128.42
289.01		128.48
289.02		128.54
289.05	30.581	128.71
289.14	30.584	129.13
289.24	30.587	129.55
289.34	30.591	129.92
289.44	30.596	130.27
289.54	30.602	130.59
289.64	30.608	130.9
289.74	30.615	131.19
289.84	30.623	131.46
289.94	30.632	131.73
290.	30.637	131.89
290.01	30.638	131.91
290.02	30.639	131.94
290.05	30.642	132.05
290.14	30.651	132.49
290.24	30.662	133.09
290.34	30.675	133.78
290.44	30.688	134.55
290.54	30.702	135.38
290.64	30.717	136.28
290.74	30.733	137.23
290.84	30.75	138.23
290.94	30.769	139.28
291.	30.781	139.93
291.01	30.783	140.03
291.02	30.785	140.13
291.05	30.791	140.4
291.14	30.811	140.99
291.24	30.833	141.45
291.34	30.857	141.76
291.44	30.881	141.94

291.54	30.907	142.01
291.64	30.933	141.98
291.74	30.959	141.87
291.84	30.986	141.69
291.94	31.012	141.43
292.	31.028	141.25
292.01	31.03	141.23
292.02	31.033	141.21
292.05	31.041	141.17
292.14	31.064	141.26
292.24	31.09	141.54
292.34	31.115	141.96
292.44	31.14	142.5
292.54	31.165	143.13
292.64	31.19	143.84
292.74	31.214	144.63
292.84	31.239	145.49
292.94	31.264	146.41
293.	31.28	146.99
293.01	31.282	147.08
293.02	31.285	147.17
293.05	31.293	147.44
293.14	31.316	148.15
293.24	31.343	148.88
293.34	31.37	149.55
293.44	31.398	150.19
293.54	31.427	150.8
293.64	31.457	151.38
293.74	31.488	151.95
293.84	31.519	152.49
293.94	31.551	153.03
294.	31.57	153.34
294.01	31.573	153.39
294.02	31.577	153.44
294.05	31.586	153.56
294.14	31.616	153.79
294.24	31.649	153.9
294.34	31.682	153.91
294.44	31.715	153.82
294.54	31.747	153.65
294.64	31.779	153.4
294.74	31.81	153.09
294.84	31.841	152.71
294.94	31.87	152.27
295.	31.887	151.98
295.01	31.89	151.93
295.02	31.893	151.89
295.05	31.901	151.77
295.14	31.926	151.5
295.24	31.951	151.26
295.34	31.976	151.08
295.44	31.998	150.94
295.54	32.02	150.82
295.64	32.04	150.73
295.74	32.059	150.66
295.84	32.076	150.61
295.94	32.093	150.57
296.	32.102	
296.01	32.104	150.55
296.02	32.105	

296.05	32.11	150.54
296.14	32.123	150.53
296.24	32.136	
296.34	32.148	
296.44	32.16	150.54
296.54	32.171	150.56
296.64	32.182	150.59
296.74	32.192	150.62
296.84	32.201	150.66
296.94	32.211	150.71
297.	32.216	150.73
297.01	32.217	150.74
297.02	32.218	
297.05	32.22	150.76
297.14	32.228	150.8
297.24	32.236	150.85
297.34	32.244	150.9
297.44	32.252	150.96
297.54	32.259	151.01
297.64	32.266	151.07
297.74	32.274	151.13
297.84	32.281	151.2
297.94	32.288	151.26
298.	32.292	151.3
298.01		151.31
298.02	32.293	
298.05	32.295	151.33
298.14	32.301	151.4
298.24	32.308	151.47
298.34	32.314	151.55
298.44	32.321	151.64
298.54	32.327	151.72
298.64	32.334	151.81
298.74	32.34	151.9
298.84	32.347	151.99
298.94	32.353	152.08
299.	32.357	152.14
299.01	32.358	152.15
299.02	32.359	152.16
299.05	32.36	152.19
299.14	32.366	152.28
299.24	32.373	152.38
299.34	32.379	152.48
299.44	32.386	152.58
299.54	32.392	152.69
299.64	32.399	152.8
299.74	32.406	152.9
299.84	32.413	153.01
299.94	32.419	153.13
300.	32.423	153.19
300.01	32.424	153.2
300.02	32.425	153.21
300.05	32.427	
300.14	32.433	153.07
300.24	32.439	152.8
300.34	32.445	152.41
300.44	32.451	151.94
300.54	32.456	151.4
300.64	32.46	150.78
300.74	32.463	150.1

300.84	32.466	149.36
300.94	32.467	148.56
301.	32.468	148.07
301.01		147.99
301.02		147.91
301.05		147.73
301.14	32.467	147.39
301.24	32.465	147.23
301.34	32.463	
301.44	32.459	147.37
301.54	32.455	147.62
301.64	32.45	147.98
301.74	32.445	148.43
301.84	32.44	148.96
301.94	32.436	149.56
302.	32.433	149.95
302.01	32.432	150.02
302.02		150.08
302.05	32.431	150.25
302.14	32.427	150.69
302.24	32.424	151.11
302.34	32.421	151.48
302.44	32.419	151.82
302.54	32.418	152.14
302.64	32.419	152.44
302.74	32.42	152.72
302.84	32.422	152.99
302.94	32.425	153.25
303.	32.427	153.4
303.01	32.428	153.43
303.02		153.45
303.05	32.429	153.53
303.14	32.434	153.74
303.24	32.439	153.97
303.34	32.446	154.19
303.44	32.452	154.4
303.54	32.46	154.61
303.64	32.468	154.82
303.74	32.476	155.02
303.84	32.485	155.21
303.94	32.494	155.4
304.	32.5	155.52
304.01	32.501	155.53
304.02	32.502	155.55
304.05	32.505	155.61
304.14	32.513	155.78
304.24	32.524	155.97
304.34	32.534	156.16
304.44	32.544	156.35
304.54	32.555	156.54
304.64	32.566	156.72
304.74	32.577	156.91
304.84	32.589	157.1
304.94	32.6	157.28
305.	32.607	157.39
305.01	32.608	157.41
305.02	32.609	157.42
305.05	32.613	157.44
305.14	32.623	157.36
305.24	32.634	157.14

305.34	32.645	156.8
305.44	32.655	156.38
305.54	32.665	155.87
305.64	32.674	155.28
305.74	32.682	154.63
305.84	32.689	153.92
305.94	32.695	153.15
306.	32.699	152.67
306.01		152.59
306.02	32.7	152.51
306.05	32.701	152.29
306.14	32.704	151.73
306.24	32.706	151.17
306.34	32.707	150.68
306.44	32.706	150.22
306.54	32.704	149.79
306.64	32.701	149.39
306.74	32.696	149.01
306.84	32.69	148.65
306.94	32.683	148.31
307.	32.678	148.11
307.01	32.677	148.08
307.02		148.05
307.05	32.674	147.99
307.14	32.666	147.97
307.24	32.656	148.09
307.34	32.647	148.34
307.44	32.637	148.69
307.54	32.627	149.14
307.64	32.617	149.68
307.74	32.608	150.29
307.84	32.599	150.98
307.94	32.592	151.73
308.	32.588	152.2
308.01	32.587	152.27
308.02	32.586	152.34
308.05	32.584	152.52
308.14	32.579	152.8
308.24	32.575	152.9
308.34	32.571	152.83
308.44	32.568	152.63
308.54	32.565	152.3
308.64	32.564	151.87
308.74	32.563	151.35
308.84	32.561	150.75
308.94	32.56	150.07
309.	32.559	149.63
309.01		149.56
309.02		149.5
309.05		149.35
309.14	32.557	149.11
309.24	32.556	149.05
309.34	32.554	149.16
309.44	32.552	149.4
309.54	32.549	149.76
309.64	32.547	150.22
309.74	32.545	150.76
309.84	32.542	151.38
309.94	32.541	152.08
310.		152.53

310.01	32.54	152.59
310.02		152.66
310.05		152.82
310.14	32.539	153.08
310.24		153.15
310.34		153.07
310.44	32.54	152.85
310.54	32.542	152.52
310.64	32.543	152.09
310.74	32.545	151.58
310.84	32.547	150.98
310.94	32.548	150.31
311.	32.549	149.89
311.01		149.82
311.02		149.74
311.05		149.52
311.14	32.55	148.81
311.24	32.549	147.96
311.34	32.547	147.06
311.44	32.544	146.11
311.54	32.539	145.12
311.64	32.533	144.08
311.74	32.524	142.99
311.84	32.514	141.86
311.94	32.502	140.69
312.	32.494	139.98
312.01	32.493	139.86
312.02	32.491	139.75
312.05	32.487	139.46
312.14	32.473	138.81
312.24	32.456	138.31
312.34	32.437	138.07
312.44	32.417	137.97
312.54	32.395	137.99
312.64	32.373	138.11
312.74	32.35	138.31
312.84	32.327	138.59
312.94	32.303	138.94
313.	32.289	139.18
313.01	32.287	139.22
313.02	32.284	139.26
313.05	32.277	139.38
313.14	32.257	139.8
313.24	32.235	140.33
313.34	32.214	140.9
313.44	32.194	141.52
313.54	32.176	142.19
313.64	32.159	142.9
313.74	32.145	143.65
313.84	32.132	144.45
313.94	32.121	145.28
314.	32.115	145.79
314.01		145.87
314.02	32.114	145.95
314.05	32.111	146.14
314.14	32.105	146.5
314.24	32.1	146.74
314.34	32.097	146.82
314.44	32.095	146.76
314.54	32.094	146.58

314.64	32.095	146.3
314.74	32.097	145.92
314.84	32.099	145.46
314.94	32.101	144.92
315.	32.103	144.58
315.01		144.52
315.02		144.46
315.05	32.104	144.31
315.14	32.106	143.94
315.24	32.109	143.59
315.34	32.111	143.29
315.44	32.112	143.03
315.54	32.113	142.79
315.64		142.57
315.74		142.37
315.84	32.112	142.21
315.94	32.11	142.06
316.	32.108	141.98
316.01		141.96
316.02		141.95
316.05	32.107	141.91
316.14	32.104	141.79
316.24	32.101	141.66
316.34	32.097	141.53
316.44	32.092	141.41
316.54	32.088	141.3
316.64	32.082	141.18
316.74	32.077	141.07
316.84	32.071	140.96
316.94	32.065	140.85
317.	32.062	140.79
317.01	32.061	140.78
317.02		140.77
317.05	32.059	140.74
317.14	32.053	140.65
317.24	32.047	140.55
317.34	32.04	140.46
317.44	32.033	140.36
317.54	32.027	140.28
317.64	32.02	140.19
317.74	32.013	140.11
317.84	32.006	140.02
317.94	31.999	139.94
318.	31.995	139.89
318.01		
318.02	31.994	
318.05	31.992	
318.14	31.986	140.03
318.24	31.98	140.3
318.34	31.974	140.66
318.44	31.968	141.1
318.54	31.963	141.6
318.64	31.959	142.16
318.74	31.956	142.77
318.84	31.954	143.43
318.94	31.952	144.14
319.		144.57
319.01		144.65
319.02		144.72
319.05		144.91

319.14	31.953	145.4
319.24	31.956	145.87
319.34	31.959	146.28
319.44	31.964	146.65
319.54	31.97	146.99
319.64	31.978	147.35
319.74	31.987	147.68
319.84	31.996	148.
319.94	32.007	148.3
320.	32.014	148.47
320.01	32.015	148.5
320.02	32.016	148.52
320.05	32.02	148.57
320.14	32.031	148.61
320.24	32.044	148.53
320.34	32.057	148.34
320.44	32.07	148.07
320.54	32.083	147.72
320.64	32.095	147.3
320.74	32.108	146.81
320.84	32.12	146.27
320.94	32.131	145.67
321.	32.137	145.29
321.01	32.138	145.23
321.02	32.139	145.17
321.05	32.142	145.01
321.14	32.15	144.58
321.24	32.158	144.18
321.34	32.165	143.83
321.44	32.171	143.51
321.54	32.176	143.22
321.64	32.179	142.99
321.74	32.181	142.79
321.84		142.6
321.94		142.42
322.	32.183	142.31
322.01		142.3
322.02		142.28
322.05	32.182	142.23
322.14	32.181	142.08
322.24	32.179	141.93
322.34	32.176	141.79
322.44	32.172	141.65
322.54	32.168	141.51
322.64	32.164	141.38
322.74	32.159	141.26
322.84	32.154	141.14
322.94	32.148	141.02
323.	32.145	140.96
323.01	32.144	140.94
323.02	32.143	140.93
323.05	32.142	140.9
323.14	32.136	140.81
323.24	32.13	140.71
323.34	32.123	140.61
323.44	32.117	140.52
323.54	32.11	140.44
323.64	32.104	140.35
323.74	32.097	140.27
323.84	32.09	140.2

323.94	32.083	140.12
324.	32.079	140.08
324.01		140.07
324.02	32.078	
324.05	32.076	140.05
324.14	32.07	140.
324.24	32.063	139.95
324.34	32.056	139.9
324.44	32.05	139.87
324.54	32.043	139.83
324.64	32.037	139.81
324.74	32.031	139.78
324.84	32.025	139.77
324.94	32.019	139.76
325.	32.015	139.75
325.01		
325.02	32.014	
325.05	32.012	139.74
325.14	32.007	139.73
325.24	32.002	139.71
325.34	31.997	139.69
325.44	31.992	139.66
325.54	31.987	139.64
325.64	31.982	139.62
325.74	31.977	139.6
325.84	31.973	139.58
325.94	31.969	139.56
326.	31.966	139.54
326.01		
326.02	31.965	
326.05	31.964	139.53
326.14	31.961	
326.24	31.957	
326.34	31.953	139.55
326.44	31.95	139.56
326.54	31.946	139.59
326.64	31.943	139.62
326.74	31.941	139.65
326.84	31.938	139.69
326.94	31.935	139.74
327.	31.934	139.77
327.01		
327.02	31.933	139.78
327.05		139.83
327.14	31.931	140.11
327.24	31.93	140.55
327.34	31.929	141.08
327.44		141.7
327.54	31.93	142.4
327.64	31.932	143.15
327.74	31.935	143.97
327.84	31.939	144.84
327.94	31.944	145.75
328.	31.948	146.32
328.01	31.949	146.41
328.02		146.5
328.05	31.952	146.72
328.14	31.959	147.17
328.24	31.968	147.48
328.34	31.979	147.63

328.44	31.991	147.66
328.54	32.003	147.62
328.64	32.017	147.5
328.74	32.031	147.3
328.84	32.046	147.02
328.94	32.06	146.66
329.	32.069	146.43
329.01	32.071	146.39
329.02	32.072	146.36
329.05	32.077	146.3
329.14	32.09	146.34
329.24	32.105	146.57
329.34	32.12	146.96
329.44	32.135	147.47
329.54	32.15	148.09
329.64	32.165	148.8
329.74	32.18	149.6
329.84	32.195	150.47
329.94	32.211	151.41
330.	32.221	152.
330.01	32.223	152.1
330.02	32.224	152.2
330.05	32.229	152.53
330.14	32.245	153.68
330.24	32.265	155.12
330.34	32.285	156.7
330.44	32.308	158.4
330.54	32.333	160.21
330.64	32.36	162.13
330.74	32.39	164.14
330.84	32.423	166.25
330.94	32.458	168.45
331.	32.481	169.79
331.01	32.485	170.01
331.02	32.488	170.23
331.05	32.5	170.85
331.14	32.538	172.51
331.24	32.583	174.18
331.34	32.63	175.72
331.44	32.681	177.15
331.54	32.735	178.5
331.64	32.791	179.77
331.74	32.85	180.98
331.84	32.911	182.14
331.94	32.974	183.25
332.	33.013	183.9
332.01	33.019	184.
332.02	33.026	184.11
332.05	33.045	184.4
332.14	33.105	185.16
332.24	33.172	185.88
332.34	33.241	186.49
332.44	33.31	187.01
332.54	33.379	187.45
332.64	33.448	187.81
332.74	33.517	188.11
332.84	33.586	188.34
332.94	33.653	188.51
333.	33.694	188.59
333.01	33.701	188.61
333.02		

	33.707	188.63
333.05	33.727	188.72
333.14	33.787	189.17
333.24	33.852	189.83
333.34	33.917	190.61
333.44	33.981	191.5
333.54	34.044	192.48
333.64	34.106	193.53
333.74	34.168	194.64
333.84	34.229	195.82
333.94	34.29	197.05
334.	34.327	197.81
334.01	34.333	197.94
334.02	34.339	198.06
334.05	34.357	198.45
334.14	34.412	199.65
334.24	34.474	201.02
334.34	34.536	202.44
334.44	34.598	203.89
334.54	34.662	205.39
334.64	34.726	206.92
334.74	34.792	208.48
334.84	34.858	210.08
334.94	34.926	211.7
335.	34.967	212.69
335.01	34.974	212.85
335.02	34.981	213.01
335.05	35.002	213.48
335.14	35.065	214.76
335.24	35.136	216.1
335.34	35.209	217.35
335.44	35.283	218.54
335.54	35.357	219.68
335.64	35.433	220.78
335.74	35.51	221.84
335.84	35.587	222.86
335.94	35.665	223.85
336.	35.712	224.43
336.01	35.72	224.53
336.02	35.727	224.63
336.05	35.751	224.92
336.14	35.822	225.77
336.24	35.901	226.69
336.34	35.98	227.6
336.44	36.059	228.49
336.54	36.138	229.37
336.64	36.217	230.23
336.74	36.295	231.07
336.84	36.373	231.9
336.94	36.451	232.72
337.	36.498	233.2
337.01	36.505	233.29
337.02	36.513	233.38
337.05	36.536	233.68
337.14	36.606	234.78
337.24	36.683	236.2
337.34	36.76	237.77
337.44	36.838	239.49
337.54	36.916	241.32
337.64	36.994	243.25
337.74		

	37.073	245.27
337.84	37.152	247.38
337.94	37.233	249.57
338.	37.282	250.91
338.01	37.29	251.13
338.02	37.299	251.34
338.05	37.323	251.94
338.14	37.398	253.45
338.24	37.482	254.87
338.34	37.567	256.1
338.44	37.654	257.16
338.54	37.741	258.09
338.64	37.829	258.9
338.74	37.917	259.6
338.84	38.006	260.2
338.94	38.095	260.72
339.	38.148	261.01
339.01	38.157	261.05
339.02	38.166	261.1
339.05	38.193	261.23
339.14	38.272	261.56
339.24	38.36	261.87
339.34	38.446	262.11
339.44	38.531	262.29
339.54	38.615	262.41
339.64	38.696	262.48
339.74	38.776	262.5
339.84	38.854	262.47
339.94	38.93	262.38
340.	38.975	262.32
340.01	38.982	262.31
340.02	38.989	
340.05	39.011	262.33
340.14	39.076	262.59
340.24	39.145	263.06
340.34	39.213	263.67
340.44	39.279	264.4
340.54	39.343	265.22
340.64	39.406	266.13
340.74	39.467	267.12
340.84	39.527	268.17
340.94	39.586	269.28
341.	39.622	269.97
341.01	39.627	270.08
341.02	39.633	270.2
341.05	39.651	270.52
341.14	39.703	271.45
341.24	39.761	272.43
341.34	39.818	273.39
341.44	39.876	274.32
341.54	39.933	275.24
341.64	39.991	276.14
341.74	40.049	277.04
341.84	40.107	277.92
341.94	40.165	278.8
342.	40.2	279.33
342.01	40.206	279.42
342.02	40.212	279.51
342.05	40.23	279.82
342.14	40.283	280.93

342.24	40.343	282.34
342.34	40.404	283.88
342.44	40.465	285.54
342.54	40.527	287.31
342.64	40.591	289.17
342.74	40.655	291.12
342.84	40.721	293.15
342.94	40.788	295.25
343.	40.829	296.53
343.01	40.836	296.75
343.02	40.843	296.96
343.05	40.864	297.61
343.14	40.928	299.62
343.24	41.001	301.91
343.34	41.076	304.26
343.44	41.154	306.67
343.54	41.234	309.12
343.64	41.317	311.63
343.74	41.403	314.18
343.84	41.491	316.79
343.94	41.583	319.44
344.	41.639	321.04
344.01	41.648	321.3
344.02	41.657	321.55
344.05	41.686	322.25
344.14	41.773	323.97
344.24	41.871	325.52
344.34	41.972	326.79
344.44	42.074	327.81
344.54	42.178	328.63
344.64	42.282	329.27
344.74	42.388	329.75
344.84	42.493	330.09
344.94	42.599	330.28
345.	42.662	330.36
345.01	42.673	330.38
345.02	42.683	330.4
345.05	42.715	330.53
345.14	42.809	331.24
345.24	42.913	332.33
345.34	43.016	333.64
345.44	43.118	335.14
345.54	43.219	336.79
345.64	43.319	338.57
345.74	43.418	340.47
345.84	43.517	342.47
345.94	43.615	344.56
346.	43.674	345.85
346.01	43.684	346.05
346.02	43.694	346.26
346.05	43.723	346.81
346.14	43.811	348.12
346.24	43.908	349.27
346.34	44.005	350.17
346.44	44.101	350.87
346.54	44.198	351.4
346.64	44.294	351.78
346.74	44.389	352.02
346.84	44.484	352.15
346.94	44.577	

347.	44.633	352.12
347.01	44.642	
347.02	44.652	
347.05	44.679	352.14
347.14	44.761	352.33
347.24	44.851	352.65
347.34	44.939	353.04
347.44	45.025	353.48
347.54	45.109	353.97
347.64	45.19	354.49
347.74	45.27	355.03
347.84	45.348	355.59
347.94	45.424	356.18
348.	45.469	356.53
348.01	45.477	356.59
348.02	45.484	356.65
348.05	45.506	356.85
348.14	45.572	357.53
348.24	45.643	358.35
348.34	45.713	359.25
348.44	45.781	360.19
348.54	45.849	361.19
348.64	45.916	362.22
348.74	45.982	363.3
348.84	46.048	364.41
348.94	46.113	365.56
349.	46.152	366.26
349.01	46.159	366.37
349.02	46.165	366.49
349.05	46.185	366.82
349.14	46.243	367.77
349.24	46.308	368.79
349.34	46.373	369.77
349.44	46.437	370.72
349.54	46.502	371.66
349.64	46.567	372.57
349.74	46.632	373.48
349.84	46.697	374.36
349.94	46.763	375.24
350.	46.802	375.76
350.01	46.808	375.85
350.02	46.815	375.94
350.05	46.835	376.2
350.14	46.894	376.97
350.24	46.959	377.82
350.34	47.025	378.66
350.44	47.09	379.49
350.54	47.155	380.31
350.64	47.221	381.13
350.74	47.286	381.94
350.84	47.351	382.75
350.94	47.416	383.55
351.	47.455	384.03
351.01	47.461	384.11
351.02	47.468	384.18
351.05	47.487	384.39
351.14	47.545	384.88
351.24	47.609	385.3
351.34	47.672	385.63
351.44	47.735	385.87

351.54	47.796	386.03
351.64	47.858	386.13
351.74	47.918	386.17
351.84	47.977	386.15
351.94	48.035	386.08
352.	48.069	386.02
352.01	48.074	386.01
352.02	48.08	
352.05	48.097	386.03
352.14	48.147	386.26
352.24	48.201	386.69
352.34	48.254	387.24
352.44	48.306	387.9
352.54	48.357	388.64
352.64	48.406	389.46
352.74	48.455	390.34
352.84	48.503	391.29
352.94	48.55	392.29
353.	48.579	392.9
353.01	48.583	393.
353.02	48.588	393.1
353.05	48.602	393.36
353.14	48.644	394.01
353.24	48.69	394.6
353.34	48.735	395.07
353.44	48.78	395.47
353.54	48.826	395.78
353.64	48.871	396.04
353.74	48.916	396.24
353.84	48.96	396.39
353.94	49.004	396.49
354.	49.031	396.54
354.01	49.035	396.55
354.02	49.039	396.56
354.05	49.053	396.6
354.14	49.091	396.78
354.24	49.134	397.04
354.34	49.176	397.34
354.44	49.218	397.67
354.54	49.259	398.02
354.64	49.299	398.39
354.74	49.338	398.78
354.84	49.376	399.18
354.94	49.414	399.59
355.	49.437	399.85
355.01	49.441	399.89
355.02	49.444	399.92
355.05	49.455	400.02
355.14	49.488	400.17
355.24	49.524	400.22
355.34	49.558	400.18
355.44	49.592	400.06
355.54	49.625	399.87
355.64	49.658	399.61
355.74	49.689	399.3
355.84	49.719	398.93
355.94	49.748	398.52
356.	49.765	398.26
356.01	49.768	398.22
356.02	49.771	398.18

356.05	49.779	398.1
356.14	49.803	398.05
356.24	49.829	398.18
356.34	49.853	398.45
356.44	49.877	398.83
356.54	49.9	399.31
356.64	49.922	399.87
356.74	49.943	400.5
356.84	49.964	401.2
356.94	49.984	401.96
357.	49.996	402.43
357.01	49.998	402.51
357.02	50.	402.59
357.05	50.006	402.83
357.14	50.025	403.58
357.24	50.045	404.44
357.34	50.066	405.33
357.44	50.088	406.25
357.54	50.11	407.19
357.64	50.133	408.17
357.74	50.158	409.17
357.84	50.183	410.2
357.94	50.21	411.26
358.	50.226	411.9
358.01	50.229	412.01
358.02	50.232	412.11
358.05	50.24	412.41
358.14	50.266	413.25
358.24	50.297	414.12
358.34	50.328	414.95
358.44	50.361	415.73
358.54	50.395	416.49
358.64	50.43	417.22
358.74	50.466	417.94
358.84	50.503	418.63
358.94	50.541	419.31
359.	50.565	419.71
359.01	50.568	419.78
359.02	50.572	419.85
359.05	50.584	420.1
359.14	50.62	421.04
359.24	50.661	422.27
359.34	50.704	423.64
359.44	50.747	425.14
359.54	50.791	426.74
359.64	50.837	428.43
359.74	50.884	430.21
359.84	50.933	432.07
359.94	50.983	434.
360.	51.013	435.19
360.01	51.018	435.37
360.02	51.024	435.55
360.05	51.039	435.98
360.14	51.087	436.71
360.24	51.14	436.99
360.34	51.194	436.82
360.44	51.249	436.3
360.54	51.304	435.48
360.64	51.359	434.38
360.74	51.414	433.03
360.84		

	51.468	431.46
360.94	51.52	429.69
361.	51.551	428.55
361.01	51.556	428.37
361.02	51.561	428.2
361.05	51.576	427.74
361.14	51.619	426.75
361.24	51.666	425.98
361.34	51.709	425.46
361.44	51.75	425.13
361.54	51.788	424.97
361.64	51.822	424.93
361.74	51.853	425.01
361.84	51.881	425.19
361.94	51.906	425.46
362.	51.92	425.65
362.01	51.923	425.67
362.02	51.925	425.69
362.05	51.932	425.72
362.14	51.95	425.54
362.24	51.968	425.11
362.34	51.984	424.51
362.44	51.998	423.75
362.54	52.011	422.86
362.64	52.021	421.87
362.74	52.031	420.78
362.84	52.038	419.59
362.94	52.044	418.32
363.	52.046	417.53
363.01	52.047	417.4
363.02		417.28
363.05	52.048	416.96
363.14	52.05	416.24
363.24	52.051	415.67
363.34	52.049	415.28
363.44	52.046	415.03
363.54	52.042	414.9
363.64	52.035	414.87
363.74	52.028	414.94
363.84	52.019	415.09
363.94	52.009	415.31
364.	52.002	415.47
364.01	52.001	415.49
364.02	52.	415.51
364.05	51.997	415.57
364.14	51.986	415.7
364.24	51.974	415.79
364.34	51.962	415.85
364.44	51.95	415.88
364.54	51.938	415.91
364.64	51.926	415.92
364.74	51.915	
364.84	51.904	415.91
364.94	51.894	415.9
365.	51.888	
365.01	51.887	415.89
365.02	51.886	
365.05	51.883	415.86
365.14	51.874	415.67
365.24	51.865	415.36

365.34	51.856	414.97
365.44	51.847	414.52
365.54	51.838	414.01
365.64	51.829	413.45
365.74	51.82	412.84
365.84	51.81	412.19
365.94	51.8	411.5
366.	51.795	411.07
366.01	51.794	411.
366.02	51.793	410.93
366.05	51.789	410.73
366.14	51.78	410.21
366.24	51.769	409.7
366.34	51.757	409.22
366.44	51.745	408.78
366.54	51.731	408.36
366.64	51.717	407.96
366.74	51.703	407.59
366.84	51.687	407.23
366.94	51.671	406.88
367.	51.661	406.67
367.01	51.66	406.64
367.02	51.658	406.61
367.05	51.653	406.51
367.14	51.637	406.22
367.24	51.619	405.92
367.34	51.601	405.63
367.44	51.583	405.35
367.54	51.564	405.08
367.64	51.545	404.81
367.74	51.525	404.56
367.84	51.506	404.31
367.94	51.486	404.07
368.	51.474	403.93
368.01	51.472	403.91
368.02	51.47	403.88
368.05	51.465	403.78
368.14	51.447	403.39
368.24	51.427	402.86
368.34	51.406	402.26
368.44	51.386	401.59
368.54	51.365	400.87
368.64	51.344	400.1
368.74	51.322	399.28
368.84	51.3	398.42
368.94	51.277	397.53
369.	51.264	396.98
369.01	51.261	396.89
369.02	51.259	396.8
369.05	51.252	396.58
369.14	51.231	396.08
369.24	51.207	395.69
369.34	51.182	395.44
369.44	51.158	395.29
369.54	51.132	395.23
369.64	51.107	395.26
369.74	51.081	395.36
369.84	51.054	395.52
369.94	51.028	395.74
370.	51.013	395.89
370.01		

	51.01	395.91
370.02	51.008	395.93
370.05	51.	
370.14	50.977	395.68
370.24	50.951	395.16
370.34	50.925	394.45
370.44	50.899	393.58
370.54	50.873	392.57
370.64	50.848	391.44
370.74	50.822	390.2
370.84	50.796	388.87
370.94	50.77	387.45
371.	50.754	386.56
371.01	50.751	386.42
371.02	50.749	386.29
371.05	50.741	385.94
371.14	50.716	385.2
371.24	50.688	384.68
371.34	50.66	384.39
371.44	50.632	384.3
371.54	50.602	384.36
371.64	50.572	384.57
371.74	50.541	384.89
371.84	50.511	385.34
371.94	50.48	385.88
372.	50.461	386.24
372.01	50.458	386.3
372.02	50.455	386.35
372.05	50.446	386.47
372.14	50.419	386.61
372.24	50.389	386.58
372.34	50.359	386.4
372.44	50.331	386.1
372.54	50.303	385.71
372.64	50.276	385.23
372.74	50.25	384.68
372.84	50.225	384.07
372.94	50.201	383.4
373.	50.186	382.98
373.01	50.184	382.91
373.02	50.182	382.85
373.05	50.175	382.65
373.14	50.154	382.14
373.24	50.131	381.62
373.34	50.108	381.14
373.44	50.085	380.68
373.54	50.062	380.25
373.64	50.04	379.83
373.74	50.016	379.43
373.84	49.993	379.04
373.94	49.97	378.66
374.	49.955	378.43
374.01	49.953	378.4
374.02	49.951	378.36
374.05	49.943	378.23
374.14	49.922	377.77
374.24	49.897	377.2
374.34	49.872	376.58
374.44	49.847	375.92
374.54	49.822	375.22

374.64	49.796	374.49
374.74	49.77	373.73
374.84	49.743	372.94
374.94	49.716	372.13
375.	49.7	371.63
375.01	49.697	371.55
375.02	49.695	371.47
375.05	49.686	371.26
375.14	49.661	370.76
375.24	49.633	370.32
375.34	49.605	369.99
375.44	49.576	369.73
375.54	49.547	369.55
375.64	49.517	369.42
375.74	49.488	369.35
375.84	49.458	369.34
375.94	49.428	369.4
376.	49.411	369.45
376.01	49.408	369.46
376.02	49.405	369.47
376.05	49.396	369.51
376.14	49.37	369.65
376.24	49.342	369.84
376.34	49.314	370.08
376.44	49.287	370.35
376.54	49.261	370.65
376.64	49.236	370.99
376.74	49.212	371.35
376.84	49.189	371.74
376.94	49.168	372.16
377.	49.155	372.42
377.01	49.153	372.46
377.02	49.151	372.5
377.05	49.145	372.61
377.14	49.129	372.86
377.24	49.111	373.07
377.34	49.095	373.23
377.44	49.08	373.37
377.54	49.067	373.48
377.64	49.055	373.57
377.74	49.044	373.63
377.84	49.034	373.67
377.94	49.026	373.69
378.	49.021	373.7
378.01	49.02	
378.02	49.019	
378.05	49.017	373.68
378.14	49.011	373.55
378.24	49.005	373.33
378.34	48.999	373.04
378.44	48.994	372.7
378.54	48.989	372.31
378.64	48.984	371.87
378.74	48.98	371.41
378.84	48.975	370.93
378.94	48.97	370.42
379.	48.967	370.11
379.01		370.06
379.02	48.966	370.01
379.05	48.965	369.88

379.14	48.96	369.63
379.24	48.954	369.46
379.34	48.948	369.38
379.44	48.942	369.36
379.54	48.935	369.39
379.64	48.928	369.48
379.74	48.921	369.6
379.84	48.913	369.75
379.94	48.905	369.94
380.	48.901	370.07
380.01	48.9	370.08
380.02	48.899	370.1
380.05	48.897	370.13
380.14	48.89	370.09
380.24	48.881	369.93
380.34	48.873	369.69
380.44	48.865	369.39
380.54	48.857	369.02
380.64	48.849	368.61
380.74	48.841	368.16
380.84	48.833	367.67
380.94	48.825	367.14
381.	48.82	366.81
381.01	48.819	366.76
381.02	48.818	366.7
381.05	48.816	366.54
381.14	48.808	366.01
381.24	48.799	365.41
381.34	48.789	364.79
381.44	48.779	364.14
381.54	48.768	363.47
381.64	48.756	362.78
381.74	48.744	362.07
381.84	48.73	361.34
381.94	48.715	360.6
382.	48.706	360.14
382.01	48.705	360.07
382.02	48.703	360.
382.05	48.698	359.81
382.14	48.684	359.38
382.24	48.666	359.03
382.34	48.648	358.78
382.44	48.629	358.61
382.54	48.61	358.51
382.64	48.59	358.46
382.74	48.569	
382.84	48.548	358.51
382.94	48.526	358.59
383.	48.514	358.66
383.01	48.511	358.67
383.02	48.509	
383.05	48.503	
383.14	48.483	358.52
383.24	48.461	358.23
383.34	48.44	357.84
383.44	48.418	357.39
383.54	48.396	356.88
383.64	48.375	356.32
383.74	48.354	355.71
383.84	48.333	355.07

383.94	48.311	354.39
384.	48.299	353.98
384.01	48.297	353.91
384.02	48.295	353.85
384.05	48.288	353.67
384.14	48.269	353.28
384.24	48.248	352.96
384.34	48.227	352.72
384.44	48.205	352.55
384.54	48.184	352.44
384.64	48.162	352.37
384.74	48.14	352.35
384.84	48.118	352.37
384.94	48.096	352.42
385.	48.082	352.46
385.01	48.08	352.47
385.02	48.078	
385.05	48.071	352.48
385.14	48.052	352.47
385.24	48.03	352.42
385.34	48.009	352.35
385.44	47.988	352.27
385.54	47.968	352.17
385.64	47.948	352.06
385.74	47.928	351.95
385.84	47.91	351.84
385.94	47.891	351.72
386.	47.881	351.64
386.01	47.879	351.63
386.02	47.877	351.62
386.05	47.872	351.58
386.14	47.856	351.47
386.24	47.84	351.35
386.34	47.824	351.23
386.44	47.808	351.11
386.54	47.793	350.99
386.64	47.778	350.88
386.74	47.763	350.76
386.84	47.749	350.64
386.94	47.735	350.52
387.	47.727	350.45
387.01	47.726	350.44
387.02	47.724	350.43
387.05	47.72	350.37
387.14	47.708	350.13
387.24	47.695	349.8
387.34	47.682	349.41
387.44	47.669	348.97
387.54	47.656	348.5
387.64	47.643	347.99
387.74	47.629	347.45
387.84	47.616	346.89
387.94	47.602	346.3
388.	47.594	345.94
388.01	47.593	345.89
388.02	47.591	345.83
388.05	47.587	345.68
388.14	47.574	345.34
388.24	47.56	345.06
388.34	47.545	344.86

388.44	47.53	344.72
388.54	47.514	344.63
388.64	47.498	344.58
388.74	47.482	344.57
388.84	47.465	344.6
388.94	47.448	344.65
389.	47.438	344.69
389.01	47.437	344.7
389.02	47.435	344.71
389.05	47.43	
389.14	47.415	344.7
389.24	47.398	344.66
389.34	47.382	344.59
389.44	47.366	344.51
389.54	47.35	344.42
389.64	47.334	344.31
389.74	47.319	344.2
389.84	47.304	344.09
389.94	47.29	343.97
390.	47.282	343.89
390.01	47.28	343.88
390.02	47.279	343.87
390.05	47.275	343.83
390.14	47.262	343.72
390.24	47.249	343.59
390.34	47.236	343.47
390.44	47.224	343.35
390.54	47.211	343.22
390.64	47.199	343.09
390.74	47.187	342.97
390.84	47.176	342.84
390.94	47.164	342.72
391.	47.158	342.64
391.01	47.157	342.63
391.02	47.155	342.61
391.05	47.152	342.58
391.14	47.142	342.46
391.24	47.131	342.32
391.34	47.121	342.18
391.44	47.11	342.03
391.54	47.1	341.89
391.64	47.089	341.74
391.74	47.079	341.6
391.84	47.069	341.45
391.94	47.059	341.3
392.	47.053	341.21
392.01	47.052	341.2
392.02	47.051	341.19
392.05	47.048	341.2
392.14	47.039	341.41
392.24	47.03	341.85
392.34	47.022	342.42
392.44	47.014	343.13
392.54	47.007	343.94
392.64	47.	344.84
392.74	46.994	345.82
392.84	46.99	346.89
392.94	46.987	348.02
393.	46.985	348.72
393.01		348.84

393.02		348.94
393.05	46.984	349.22
393.14		349.76
393.24		350.12
393.34	46.986	350.28
393.44	46.989	350.29
393.54	46.994	350.17
393.64	47.	349.95
393.74	47.007	349.64
393.84	47.015	349.25
393.94	47.025	348.78
394.	47.03	348.47
394.01	47.031	348.42
394.02	47.032	348.37
394.05	47.035	348.21
394.14	47.044	347.68
394.24	47.055	347.04
394.34	47.064	346.35
394.44	47.073	345.62
394.54	47.082	344.84
394.64	47.089	344.02
394.74	47.095	343.15
394.84	47.1	342.25
394.94	47.103	341.31
395.	47.105	340.73
395.01		340.64
395.02		340.55
395.05		340.28
395.14		339.6
395.24	47.104	338.93
395.34	47.1	338.32
395.44	47.095	337.76
395.54	47.088	337.23
395.64	47.08	336.74
395.74	47.07	336.27
395.84	47.058	335.82
395.94	47.044	335.39
396.	47.036	335.13
396.01	47.034	335.1
396.02	47.033	335.07
396.05	47.029	335.03
396.14	47.015	335.24
396.24	46.999	335.78
396.34	46.983	336.57
396.44	46.967	337.57
396.54	46.951	338.76
396.64	46.935	340.1
396.74	46.921	341.58
396.84	46.907	343.19
396.94	46.895	344.93
397.	46.889	346.01
397.01	46.888	346.18
397.02	46.887	346.34
397.05	46.884	346.75
397.14	46.876	347.49
397.24	46.869	347.88
397.34	46.864	347.94
397.44	46.86	347.73
397.54	46.859	347.31
397.64	46.86	346.7

397.74	46.863	345.94
397.84	46.867	345.03
397.94	46.873	343.99
398.	46.876	343.33
398.01	46.877	343.22
398.02		343.11
398.05	46.879	342.82
398.14	46.885	342.03
398.24	46.892	341.25
398.34	46.899	340.52
398.44	46.904	339.82
398.54	46.909	339.15
398.64	46.913	338.49
398.74	46.914	337.84
398.84	46.915	337.2
398.94	46.913	336.55
399.	46.912	336.16
399.01		336.1
399.02	46.911	336.04
399.05	46.91	335.87
399.14	46.906	335.48
399.24	46.9	335.14
399.34	46.893	334.88
399.44	46.884	334.68
399.54	46.874	334.53
399.64	46.863	334.43
399.74	46.851	334.37
399.84	46.838	334.34
399.94	46.825	
400.	46.816	334.35
400.01	46.815	
400.02	46.813	
400.05	46.809	334.33
400.14	46.796	334.17
400.24	46.78	333.9
400.34	46.765	333.56
400.44	46.749	333.17
400.54	46.733	332.74
400.64	46.717	332.26
400.74	46.7	331.76
400.84	46.684	331.22
400.94	46.667	330.66
401.	46.657	330.32
401.01	46.656	330.26
401.02	46.654	330.2
401.05	46.649	330.05
401.14	46.634	329.64
401.24	46.616	329.24
401.34	46.599	328.88
401.44	46.581	328.54
401.54	46.563	328.24
401.64	46.544	327.95
401.74	46.525	327.68
401.84	46.505	327.42
401.94	46.486	327.18
402.	46.474	327.04
402.01	46.472	327.02
402.02	46.47	326.99
402.05	46.464	326.92
402.14	46.445	326.67

402.24	46.425	326.38
402.34	46.404	326.08
402.44	46.383	325.77
402.54	46.362	325.45
402.64	46.341	325.13
402.74	46.32	324.81
402.84	46.299	324.48
402.94	46.277	324.15
403.	46.264	323.94
403.01	46.262	323.91
403.02	46.26	323.88
403.05	46.254	323.77
403.14	46.235	323.4
403.24	46.213	322.95
403.34	46.191	322.48
403.44	46.169	322.33
403.54	46.147	322.3
403.64	46.125	322.26
403.74	46.102	322.23
403.84	46.08	322.18
403.94	46.056	322.14
404.	46.042	322.11
404.01	46.04	322.1
404.02	46.038	
404.05	46.031	
404.14	46.009	
404.24	45.986	322.13
404.34	45.961	322.17
404.44	45.937	322.22
404.54	45.913	322.28
404.64	45.888	322.35
404.74	45.863	322.43
404.84	45.838	322.52
404.94	45.813	322.61
405.	45.798	322.66
405.01	45.796	322.67
405.02	45.793	322.68
405.05	45.786	322.7
405.14	45.764	322.77
405.24	45.74	322.83
405.34	45.716	322.89
405.44	45.692	322.94
405.54	45.669	322.99
405.64	45.646	323.04
405.74	45.624	323.09
405.84	45.603	323.14
405.94	45.582	323.18
406.	45.57	323.21
406.01	45.567	323.22
406.02	45.565	
406.05	45.559	323.23
406.14	45.541	323.24
406.24	45.522	
406.34	45.502	323.23
406.44	45.483	323.21
406.54	45.465	323.19
406.64	45.446	323.16
406.74	45.428	323.13
406.84	45.409	323.09
406.94	45.391	323.04

407.	45.379	323.01
407.01	45.378	
407.02	45.376	
407.05	45.37	323.
407.14	45.353	323.02
407.24	45.335	323.05
407.34	45.316	323.09
407.44	45.297	323.15
407.54	45.279	323.22
407.64	45.26	323.29
407.74	45.241	323.38
407.84	45.222	323.47
407.94	45.203	323.57
408.	45.191	323.63
408.01	45.19	323.64
408.02	45.188	323.65
408.05	45.182	323.67
408.14	45.165	323.71
408.24	45.147	323.74
408.34	45.129	323.75
408.44	45.111	323.76
408.54	45.093	323.75
408.64	45.076	323.74
408.74	45.059	323.72
408.84	45.042	323.69
408.94	45.026	323.66
409.	45.016	323.63
409.01	45.014	
409.02	45.012	
409.05	45.008	323.64
409.14	44.993	323.68
409.24	44.978	323.76
409.34	44.962	323.85
409.44	44.947	323.97
409.54	44.932	324.1
409.64	44.917	324.24
409.74	44.903	324.39
409.84	44.889	324.56
409.94	44.875	324.73
410.	44.867	324.84
410.01	44.866	324.86
410.02	44.865	324.88
410.05	44.861	324.91
410.14	44.85	325.
410.24	44.838	325.07
410.34	44.826	325.13
410.44	44.816	325.17
410.54	44.806	325.2
410.64	44.797	325.22
410.74	44.788	325.23
410.84	44.781	
410.94	44.774	325.22
411.	44.769	325.21
411.01		
411.02	44.768	
411.05	44.766	
411.14	44.761	325.22
411.24	44.755	325.23
411.34	44.749	325.25
411.44	44.743	325.26

411.54	44.737	325.28
411.64	44.731	325.3
411.74	44.725	325.32
411.84	44.719	325.34
411.94	44.712	325.36
412.	44.708	325.37
412.01		
412.02	44.707	325.38
412.05	44.705	
412.14	44.699	325.41
412.24	44.691	325.43
412.34	44.684	325.46
412.44	44.676	325.48
412.54	44.668	325.51
412.64	44.66	325.54
412.74	44.652	325.57
412.84	44.643	325.6
412.94	44.635	325.63
413.	44.63	325.64
413.01	44.629	325.65
413.02	44.628	
413.05	44.625	325.66
413.14	44.617	325.69
413.24	44.608	325.72
413.34	44.599	325.75
413.44	44.59	325.79
413.54	44.581	325.82
413.64	44.572	325.86
413.74	44.563	325.9
413.84	44.553	325.93
413.94	44.544	325.97
414.	44.539	325.99
414.01	44.538	326.
414.02	44.537	
414.05	44.534	326.03
414.14	44.526	326.15
414.24	44.518	326.32
414.34	44.51	326.51
414.44	44.502	326.72
414.54	44.495	326.95
414.64	44.489	327.2
414.74	44.483	327.46
414.84	44.479	327.74
414.94	44.475	328.04
415.	44.473	328.22
415.01		328.25
415.02		328.27
415.05	44.472	328.33
415.14	44.471	328.48
415.24		328.6
415.34	44.472	328.7
415.44	44.474	328.76
415.54	44.477	328.81
415.64	44.482	328.84
415.74	44.488	328.85
415.84	44.495	328.84
415.94	44.503	328.82
416.	44.508	328.81
416.01		328.8
416.02	44.509	

416.05	44.512	
416.14	44.52	328.79
416.24	44.529	328.78
416.34	44.538	328.77
416.44	44.547	328.76
416.54	44.556	328.74
416.64	44.564	328.73
416.74	44.571	328.71
416.84	44.578	328.68
416.94	44.584	328.66
417.	44.587	328.65
417.01	44.588	328.64
417.02		
417.05	44.589	328.63
417.14	44.593	328.6
417.24	44.596	328.56
417.34	44.598	328.52
417.44	44.599	328.48
417.54		328.43
417.64	44.598	328.38
417.74	44.596	328.33
417.84	44.593	328.27
417.94	44.589	328.21
418.	44.586	328.17
418.01		
418.02	44.585	
418.05	44.584	328.16
418.14	44.578	328.15
418.24	44.571	328.17
418.34	44.563	328.19
418.44	44.555	328.23
418.54	44.545	328.28
418.64	44.535	328.34
418.74	44.525	328.4
418.84	44.513	328.47
418.94	44.502	328.55
419.	44.495	328.6
419.01	44.494	328.61
419.02	44.492	328.62
419.05	44.489	328.65
419.14	44.478	328.75
419.24	44.466	328.88
419.34	44.455	329.03
419.44	44.444	329.18
419.54	44.433	329.34
419.64	44.423	329.52
419.74	44.413	329.7
419.84	44.404	329.89
419.94	44.396	330.08
420.	44.392	330.2
420.01	44.391	330.22
420.02		330.24
420.05	44.388	330.27
420.14	44.383	330.33
420.24	44.377	330.36
420.34	44.373	330.35
420.44	44.368	330.31
420.54	44.365	330.26
420.64	44.362	330.18
420.74	44.36	330.08

420.84	44.358	329.96
420.94	44.356	329.83
421.	44.355	329.75
421.01		329.74
421.02		329.72
421.05	44.354	329.7
421.14	44.352	329.63
421.24	44.35	329.58
421.34	44.347	329.53
421.44	44.343	329.5
421.54	44.338	329.47
421.64	44.333	329.45
421.74	44.326	329.43
421.84	44.319	329.41
421.94	44.31	329.4
422.	44.305	
422.01	44.304	
422.02	44.303	
422.05	44.3	
422.14	44.291	329.43
422.24	44.28	329.46
422.34	44.268	329.51
422.44	44.256	329.57
422.54	44.244	329.64
422.64	44.231	329.71
422.74	44.218	329.79
422.84	44.205	329.88
422.94	44.192	329.97
423.	44.184	330.03
423.01	44.183	330.04
423.02	44.182	330.05
423.05	44.178	330.07
423.14	44.166	330.13
423.24	44.154	330.2
423.34	44.141	330.26
423.44	44.129	330.31
423.54	44.118	330.36
423.64	44.107	330.41
423.74	44.097	330.46
423.84	44.087	330.51
423.94	44.077	330.55
424.	44.071	330.58
424.01		330.59
424.02	44.07	
424.05	44.067	330.61
424.14	44.059	330.68
424.24	44.051	330.76
424.34	44.044	330.85
424.44	44.037	330.94
424.54	44.03	331.04
424.64	44.024	331.15
424.74	44.018	331.26
424.84	44.013	331.38
424.94	44.009	331.49
425.	44.006	331.57
425.01		331.58
425.02	44.005	331.59
425.05	44.004	331.61
425.14	44.001	331.68
425.24	43.997	331.73

425.34	43.994	331.76
425.44	43.992	331.79
425.54	43.99	331.81
425.64	43.989	331.82
425.74	43.987	331.83
425.84		
425.94	43.986	331.82
426.		331.81
426.01	43.985	
426.02		
426.05		
426.14		331.79
426.24	43.984	331.77
426.34	43.983	331.74
426.44	43.982	331.7
426.54	43.981	331.67
426.64	43.979	331.63
426.74	43.976	331.58
426.84	43.973	331.54
426.94	43.969	331.48
427.	43.967	331.45
427.01		
427.02	43.966	
427.05	43.965	331.44
427.14	43.961	
427.24	43.955	331.45
427.34	43.949	331.48
427.44	43.943	331.51
427.54	43.936	331.56
427.64	43.928	331.61
427.74	43.92	331.67
427.84	43.912	331.73
427.94	43.903	331.8
428.	43.898	331.85
428.01	43.897	
428.02	43.896	331.86
428.05	43.893	331.88
428.14	43.885	331.95
428.24	43.876	332.04
428.34	43.867	332.12
428.44	43.859	332.21
428.54	43.85	332.3
428.64	43.842	332.4
428.74	43.834	332.5
428.84	43.827	332.6
428.94	43.82	332.7
429.	43.817	332.77
429.01	43.816	332.78
429.02	43.815	332.79
429.05	43.813	332.8
429.14	43.808	332.83
429.24	43.803	332.84
429.34	43.798	332.82
429.44	43.793	332.79
429.54	43.788	332.75
429.64	43.784	332.7
429.74	43.78	332.63
429.84	43.776	332.55
429.94	43.772	332.47
430.	43.769	332.41

430.01		332.4
430.02	43.768	
430.05	43.767	332.39
430.14	43.763	
430.24	43.758	332.42
430.34	43.754	332.46
430.44	43.749	332.53
430.54	43.743	332.61
430.64	43.737	332.7
430.74	43.731	332.8
430.84	43.725	332.92
430.94	43.718	333.04
431.	43.714	333.12
431.01	43.713	333.13
431.02		333.14
431.05	43.711	333.16
431.14	43.704	333.2
431.24	43.698	333.22
431.34	43.691	333.21
431.44	43.684	333.19
431.54	43.677	333.16
431.64	43.67	333.12
431.74	43.664	333.06
431.84	43.658	332.99
431.94	43.651	332.92
432.	43.648	332.87
432.01	43.647	332.86
432.02	43.646	
432.05	43.644	332.84
432.14	43.639	332.8
432.24	43.632	332.76
432.34	43.625	332.73
432.44	43.618	332.71
432.54	43.61	332.69
432.64	43.601	332.67
432.74	43.592	332.65
432.84	43.583	332.64
432.94	43.573	332.62
433.	43.566	
433.01	43.565	
433.02	43.564	332.61
433.05	43.561	
433.14	43.551	332.6
433.24	43.539	332.58
433.34	43.527	332.57
433.44	43.515	332.55
433.54	43.502	332.54
433.64	43.489	332.52
433.74	43.475	332.5
433.84	43.462	332.49
433.94	43.448	332.47
434.	43.439	332.46
434.01	43.438	
434.02	43.436	
434.05	43.432	
434.14	43.419	332.49
434.24	43.405	332.54
434.34	43.391	332.6
434.44	43.377	332.68
434.54	43.363	332.76

434.64	43.349	332.86
434.74	43.335	332.96
434.84	43.322	333.07
434.94	43.309	333.18
435.	43.301	333.26
435.01	43.3	333.27
435.02	43.299	333.28
435.05	43.295	333.3
435.14	43.284	333.35
435.24	43.273	333.39
435.34	43.261	333.42
435.44	43.251	333.43
435.54	43.241	333.44
435.64	43.232	333.43
435.74	43.223	333.42
435.84	43.215	333.4
435.94	43.207	333.38
436.	43.203	333.36
436.01	43.202	
436.02	43.201	
436.05	43.199	
436.14	43.193	333.35
436.24	43.186	333.36
436.34	43.18	333.37
436.44	43.173	333.38
436.54	43.167	333.39
436.64	43.16	333.41
436.74	43.154	333.43
436.84	43.147	333.45
436.94	43.14	333.47
437.	43.136	333.48
437.01		333.49
437.02	43.135	
437.05	43.133	
437.14	43.127	333.48
437.24	43.12	333.47
437.34	43.113	333.44
437.44	43.105	333.41
437.54	43.098	333.38
437.64	43.09	333.34
437.74	43.082	333.29
437.84	43.074	333.25
437.94	43.066	333.19
438.	43.061	333.16
438.01	43.06	333.15
438.02	43.059	
438.05	43.057	333.14
438.14	43.049	333.11
438.24	43.04	333.09
438.34	43.031	333.07
438.44	43.021	333.05
438.54	43.011	333.04
438.64	43.	333.03
438.74	42.99	
438.84	42.979	333.02
438.94	42.967	
439.	42.96	
439.01	42.959	
439.02	42.958	
439.05	42.954	333.01

439.14	42.944	332.99
439.24	42.931	332.95
439.34	42.919	332.92
439.44	42.906	332.87
439.54	42.893	332.82
439.64	42.88	332.77
439.74	42.866	332.72
439.84	42.852	332.66
439.94	42.839	332.6
440.	42.83	332.56
440.01	42.829	
440.02	42.827	332.55
440.05	42.823	332.54
440.14	42.81	332.51
440.24	42.796	332.5
440.34	42.781	332.49
440.44	42.766	
440.54	42.751	332.5
440.64	42.736	332.51
440.74	42.72	332.52
440.84	42.705	332.54
440.94	42.689	332.57
441.	42.68	332.58
441.01	42.678	332.59
441.02	42.676	
441.05	42.672	
441.14	42.658	332.58
441.24	42.642	332.55
441.34	42.626	332.52
441.44	42.611	332.48
441.54	42.595	332.43
441.64	42.58	332.38
441.74	42.564	332.32
441.84	42.549	332.27
441.94	42.534	332.23
442.	42.525	332.2
442.01	42.523	
442.02	42.522	332.19
442.05	42.517	332.18
442.14	42.503	332.15
442.24	42.488	332.11
442.34	42.473	332.07
442.44	42.457	332.04
442.54	42.441	332.01
442.64	42.425	331.97
442.74	42.409	331.94
442.84	42.393	331.91
442.94	42.376	331.89
443.	42.366	331.87
443.01	42.364	
443.02	42.362	
443.05	42.357	331.86
443.14	42.342	331.84
443.24	42.325	331.81
443.34	42.308	331.79
443.44	42.291	331.77
443.54	42.274	331.75
443.64	42.257	331.74
443.74	42.24	331.73
443.84	42.223	331.75

443.94	42.206	331.77
444.	42.196	331.78
444.01	42.194	331.79
444.02	42.193	
444.05	42.188	331.8
444.14	42.173	331.82
444.24	42.157	331.86
444.34	42.142	331.89
444.44	42.127	331.93
444.54	42.113	331.97
444.64	42.099	332.02
444.74	42.085	332.06
444.84	42.072	332.11
444.94	42.06	332.16
445.	42.053	332.19
445.01	42.052	
445.02	42.05	332.2
445.05	42.047	332.21
445.14	42.037	332.22
445.24	42.026	
445.34	42.016	332.21
445.44	42.006	332.2
445.54	41.997	332.17
445.64	41.988	332.15
445.74	41.98	332.11
445.84	41.972	332.07
445.94	41.964	332.03
446.	41.96	332.01
446.01	41.959	332.
446.02	41.958	
446.05	41.956	331.99
446.14	41.949	331.96
446.24	41.942	331.93
446.34	41.935	331.91
446.44	41.928	331.88
446.54	41.921	331.86
446.64	41.913	331.84
446.74	41.906	331.81
446.84	41.898	331.79
446.94	41.89	331.77
447.	41.885	331.76
447.01	41.884	
447.02		331.75
447.05	41.881	
447.14	41.874	331.71
447.24	41.865	331.68
447.34	41.857	331.64
447.44	41.848	331.61
447.54	41.839	331.57
447.64	41.83	331.54
447.74	41.82	331.51
447.84	41.81	331.48
447.94	41.8	331.44
448.	41.794	331.42
448.01	41.793	
448.02	41.792	
448.05	41.789	331.41
448.14	41.78	331.39
448.24	41.769	331.36
448.34	41.758	331.33

448.44	41.747	331.31
448.54	41.736	331.29
448.64	41.724	331.27
448.74	41.713	331.25
448.84	41.701	331.23
448.94	41.689	331.21
449.	41.682	
449.01	41.68	331.2
449.02	41.679	
449.05	41.676	
449.14	41.665	331.19
449.24	41.653	331.2
449.34	41.641	331.23
449.44	41.63	331.25
449.54	41.619	331.27
449.64	41.608	331.3
449.74	41.597	331.33
449.84	41.587	331.36
449.94	41.577	331.4
450.	41.571	331.42
450.01	41.57	
450.02	41.569	
450.05	41.566	331.43
450.14	41.558	
450.24	41.549	331.42
450.34	41.541	331.41
450.44	41.532	331.38
450.54	41.524	331.36
450.64	41.517	331.32
450.74	41.51	331.29
450.84	41.502	331.25
450.94	41.496	331.21
451.	41.491	331.18
451.01		
451.02	41.49	
451.05	41.488	331.17
451.14	41.482	331.14
451.24	41.475	331.12
451.34	41.469	331.09
451.44	41.462	331.07
451.54	41.455	331.05
451.64	41.448	331.03
451.74	41.441	331.01
451.84	41.434	330.99
451.94	41.426	330.97
452.	41.422	330.96
452.01	41.421	
452.02	41.42	330.95
452.05	41.418	
452.14	41.411	330.93
452.24	41.403	330.91
452.34	41.395	330.89
452.44	41.386	330.87
452.54	41.378	330.84
452.64	41.369	330.82
452.74	41.36	330.8
452.84	41.351	330.77
452.94	41.342	330.75
453.	41.336	330.74
453.01	41.335	

453.02	41.334	330.73
453.05	41.331	
453.14	41.323	330.7
453.24	41.313	330.68
453.34	41.303	330.66
453.44	41.292	330.63
453.54	41.282	330.61
453.64	41.271	330.59
453.74	41.26	330.56
453.84	41.249	330.54
453.94	41.237	330.51
454.	41.23	330.5
454.01	41.229	330.49
454.02	41.228	
454.05	41.224	330.48
454.14	41.214	330.46
454.24	41.202	330.43
454.34	41.19	330.41
454.44	41.178	330.38
454.54	41.165	330.36
454.64	41.153	330.33
454.74	41.141	330.31
454.84	41.129	330.28
454.94	41.116	330.25
455.	41.109	330.24
455.01	41.108	
455.02	41.107	330.23
455.05	41.103	
455.14	41.092	330.2
455.24	41.08	330.18
455.34	41.067	330.15
455.44	41.055	330.13
455.54	41.043	330.1
455.64	41.031	330.08
455.74	41.019	330.05
455.84	41.007	330.02
455.94	40.995	330.
456.	40.988	329.98
456.01	40.987	
456.02	40.986	
456.05	40.982	329.97
456.14	40.972	329.95
456.24	40.96	329.92
456.34	40.949	329.9
456.44	40.937	329.87
456.54	40.926	329.85
456.64	40.915	329.82
456.74	40.904	329.8
456.84	40.893	329.78
456.94	40.882	329.75
457.	40.876	329.74
457.01	40.875	
457.02	40.874	
457.05	40.871	329.73
457.14	40.862	329.71
457.24	40.852	329.69
457.34	40.842	329.67
457.44	40.832	329.65
457.54	40.823	329.64
457.64	40.814	329.62

457.74	40.805	329.6
457.84	40.797	329.58
457.94	40.789	329.56
458.	40.784	329.55
458.01	40.783	
458.02	40.782	
458.05	40.78	
458.14	40.773	329.53
458.24	40.765	329.51
458.34	40.757	329.49
458.44	40.75	329.48
458.54	40.742	329.46
458.64	40.735	329.44
458.74	40.727	329.42
458.84	40.719	329.4
458.94	40.712	329.37
459.	40.707	329.36
459.01		
459.02	40.706	
459.05	40.703	329.35
459.14	40.696	329.33
459.24	40.689	329.3
459.34	40.681	329.28
459.44	40.673	329.26
459.54	40.665	329.23
459.64	40.657	329.21
459.74	40.649	329.19
459.84	40.641	329.16
459.94	40.633	329.14
460.	40.628	329.13
460.01		
460.02	40.627	
460.05	40.625	329.12
460.14	40.618	329.11
460.24	40.61	329.09
460.34	40.602	329.07
460.44	40.595	329.06
460.54	40.587	329.04
460.64	40.58	329.02
460.74	40.573	329.01
460.84	40.566	328.99
460.94	40.559	328.97
461.	40.555	328.95
461.01	40.554	
461.02		
461.05	40.552	328.94
461.14	40.545	328.92
461.24	40.538	328.9
461.34	40.531	328.87
461.44	40.524	328.85
461.54	40.517	328.82
461.64	40.51	328.8
461.74	40.502	328.77
461.84	40.495	328.75
461.94	40.487	328.72
462.	40.482	328.71
462.01	40.481	
462.02	40.48	328.7
462.05	40.478	
462.14	40.471	328.68

462.24	40.463	328.65
462.34	40.455	328.63
462.44	40.446	328.61
462.54	40.438	328.58
462.64	40.43	328.56
462.74	40.422	328.54
462.84	40.414	328.51
462.94	40.406	328.49
463.	40.401	328.48
463.01	40.4	328.47
463.02		
463.05	40.397	328.46
463.14	40.39	328.44
463.24	40.382	328.41
463.34	40.374	328.39
463.44	40.366	328.36
463.54	40.358	328.34
463.64	40.351	328.31
463.74	40.343	328.29
463.84	40.335	328.27
463.94	40.328	328.25
464.	40.323	328.23
464.01	40.322	
464.02		
464.05	40.319	328.22
464.14	40.313	328.21
464.24	40.306	328.19
464.34	40.299	328.17
464.44	40.292	328.15
464.54	40.285	328.14
464.64	40.279	328.12
464.74	40.273	328.1
464.84	40.267	328.08
464.94	40.261	328.07
465.	40.258	328.06
465.01	40.257	328.05
465.02		
465.05	40.255	
465.14	40.25	328.03
465.24	40.245	328.01
465.34	40.239	327.99
465.44	40.234	327.97
465.54	40.228	327.95
465.64	40.223	327.93
465.74	40.217	327.9
465.84	40.211	327.88
465.94	40.205	327.86
466.	40.201	327.84
466.01		
466.02	40.2	
466.05	40.198	327.83
466.14	40.192	327.81
466.24	40.186	327.78
466.34	40.179	327.75
466.44	40.172	327.72
466.54	40.164	327.69
466.64	40.157	327.66
466.74	40.149	327.63
466.84	40.141	327.6
466.94	40.133	327.58

467.	40.128	327.56
467.01	40.127	327.55
467.02	40.126	
467.05	40.123	327.54
467.14	40.116	327.51
467.24	40.107	327.48
467.34	40.098	327.45
467.44	40.09	327.42
467.54	40.081	327.4
467.64	40.072	327.37
467.74	40.063	327.34
467.84	40.054	327.31
467.94	40.046	327.28
468.	40.04	327.27
468.01		327.26
468.02	40.039	
468.05	40.036	327.25
468.14	40.028	327.23
468.24	40.02	327.2
468.34	40.012	327.18
468.44	40.003	327.15
468.54	39.995	327.13
468.64	39.987	327.1
468.74	39.979	327.08
468.84	39.971	327.05
468.94	39.964	327.02
469.	39.959	327.01
469.01	39.958	327.
469.02		
469.05	39.955	326.99
469.14	39.948	326.97
469.24	39.941	326.94
469.34	39.933	326.91
469.44	39.926	326.89
469.54	39.918	326.86
469.64	39.911	326.83
469.74	39.904	326.8
469.84	39.896	326.77
469.94	39.889	326.75
470.	39.884	326.73
470.01	39.883	
470.02		
470.05	39.88	326.72
470.14	39.874	326.69
470.24	39.866	326.67
470.34	39.859	326.64
470.44	39.852	326.62
470.54	39.844	326.59
470.64	39.837	326.56
470.74	39.83	326.54
470.84	39.823	326.51
470.94	39.815	326.48
471.	39.811	326.46
471.01	39.81	
471.02		
471.05	39.808	326.45
471.14	39.801	326.42
471.24	39.794	326.39
471.34	39.786	326.37
471.44	39.779	326.34

471.54	39.772	326.31
471.64	39.764	326.28
471.74	39.757	326.25
471.84	39.749	326.21
471.94	39.741	326.18
472.	39.737	326.17
472.01	39.736	326.16
472.02	39.735	
472.05	39.733	326.15
472.14	39.726	326.12
472.24	39.718	326.09
472.34	39.71	326.06
472.44	39.702	326.03
472.54	39.694	326.
472.64	39.686	325.97
472.74	39.679	325.94
472.84	39.671	325.91
472.94	39.663	325.88
473.	39.658	325.86
473.01		
473.02	39.657	
473.05	39.655	325.85
473.14	39.648	325.83
473.24	39.64	325.8
473.34	39.633	325.77
473.44	39.625	325.74
473.54	39.618	325.72
473.64	39.611	325.69
473.74	39.604	325.66
473.84	39.597	325.63
473.94	39.59	325.6
474.	39.586	325.59
474.01	39.585	325.58
474.02	39.584	
474.05	39.582	325.57
474.14	39.576	325.54
474.24	39.569	325.51
474.34	39.562	325.48
474.44	39.555	325.45
474.54	39.547	325.42
474.64	39.54	325.39
474.74	39.533	325.36
474.84	39.526	325.33
474.94	39.518	325.3
475.	39.514	325.28
475.01	39.513	325.27
475.02	39.512	
475.05	39.51	325.26
475.14	39.503	325.23
475.24	39.496	325.2
475.34	39.488	325.17
475.44	39.481	325.14
475.54	39.474	325.11
475.64	39.466	325.08
475.74	39.459	325.05
475.84	39.452	325.02
475.94	39.445	325.
476.	39.441	324.98
476.01		
476.02	39.44	324.97

476.05	39.438	
476.14	39.432	324.94
476.24	39.426	324.92
476.34	39.42	324.9
476.44	39.413	324.87
476.54	39.408	324.85
476.64	39.402	324.82
476.74	39.396	324.8
476.84	39.391	324.77
476.94	39.385	324.75
477.	39.382	324.73
477.01		
477.02	39.381	
477.05	39.38	324.72
477.14	39.375	324.69
477.24	39.37	324.67
477.34	39.364	324.64
477.44	39.359	324.61
477.54	39.353	324.58
477.64	39.348	324.55
477.74	39.342	324.52
477.84	39.336	324.49
477.94	39.33	324.46
478.	39.326	324.44
478.01		324.43
478.02	39.325	
478.05	39.323	324.42
478.14	39.317	324.39
478.24	39.311	324.36
478.34	39.305	324.33
478.44	39.298	324.3
478.54	39.292	324.27
478.64	39.285	324.24
478.74	39.279	324.21
478.84	39.272	324.18
478.94	39.266	324.15
479.	39.262	324.14
479.01	39.261	324.13
479.02		
479.05	39.259	324.12
479.14	39.253	324.1
479.24	39.247	324.07
479.34	39.241	324.05
479.44	39.236	324.02
479.54	39.23	324.
479.64	39.225	323.97
479.74	39.219	323.95
479.84	39.214	323.92
479.94	39.209	323.9
480.	39.207	323.89
480.01	39.206	323.88
480.02		
480.05	39.204	323.87
480.14	39.2	323.85
480.24	39.196	323.83
480.34	39.191	323.8
480.44	39.187	323.78
480.54	39.183	323.76
480.64	39.179	323.73
480.74	39.174	323.71

480.84	39.17	323.68
480.94	39.166	323.66
481.	39.163	323.64
481.01		
481.02	39.162	323.63
481.05	39.161	
481.14	39.157	323.6
481.24	39.153	323.58
481.34	39.149	323.55
481.44	39.144	323.52
481.54	39.14	323.5
481.64	39.136	323.47
481.74	39.131	323.44
481.84	39.127	323.42
481.94	39.123	323.4
482.	39.12	323.38
482.01		
482.02	39.119	
482.05	39.118	323.37
482.14	39.114	323.35
482.24	39.11	323.33
482.34	39.106	323.31
482.44	39.102	323.28
482.54	39.098	323.26
482.64	39.095	323.24
482.74	39.091	323.22
482.84	39.088	323.2
482.94	39.084	323.18
483.	39.082	323.17
483.01		323.16
483.02		
483.05	39.081	323.15
483.14	39.078	323.14
483.24	39.075	323.11
483.34	39.071	323.09
483.44	39.068	323.07
483.54	39.065	323.04
483.64	39.062	323.02
483.74	39.058	323.
483.84	39.055	322.97
483.94	39.051	322.95
484.	39.049	322.93
484.01		
484.02	39.048	
484.05	39.047	322.92
484.14	39.044	322.9
484.24	39.04	322.87
484.34	39.036	322.84
484.44	39.032	322.82
484.54	39.027	322.79
484.64	39.023	322.76
484.74	39.018	322.74
484.84	39.014	322.71
484.94	39.009	322.69
485.	39.007	322.67
485.01	39.006	
485.02		322.66
485.05	39.004	
485.14	39.	322.63
485.24	38.995	322.61

485.34	38.99	322.58
485.44	38.986	322.56
485.54	38.981	322.53
485.64	38.976	322.51
485.74	38.971	322.48
485.84	38.967	322.46
485.94	38.962	322.43
486.	38.959	322.42
486.01		322.41
486.02	38.958	
486.05	38.957	322.4
486.14	38.953	322.38
486.24	38.948	322.36
486.34	38.943	322.33
486.44	38.939	322.31
486.54	38.934	322.28
486.64	38.93	322.26
486.74	38.925	322.23
486.84	38.92	322.2
486.94	38.916	322.18
487.	38.913	322.16
487.01	38.912	
487.02		
487.05	38.91	322.15
487.14	38.906	322.12
487.24	38.901	322.1
487.34	38.897	322.07
487.44	38.892	322.04
487.54	38.887	322.01
487.64	38.881	321.99
487.74	38.876	321.96
487.84	38.871	321.93
487.94	38.866	321.9
488.	38.862	321.88
488.01		
488.02	38.861	
488.05	38.86	321.87
488.14	38.855	321.84
488.24	38.849	321.82
488.34	38.844	321.79
488.44	38.838	321.76
488.54	38.833	321.73
488.64	38.827	321.7
488.74	38.821	321.67
488.84	38.816	321.64
488.94	38.81	321.61
489.	38.807	321.6
489.01	38.806	
489.02	38.805	321.59
489.05	38.804	321.58
489.14	38.799	321.56
489.24	38.793	321.53
489.34	38.787	321.5
489.44	38.782	321.48
489.54	38.776	321.45
489.64	38.771	321.42
489.74	38.765	321.39
489.84	38.76	321.37
489.94	38.754	321.34
490.	38.751	321.32

490.01	38.75	
490.02		321.31
490.05	38.748	
490.14	38.743	321.28
490.24	38.738	321.25
490.34	38.733	321.22
490.44	38.727	321.19
490.54	38.722	321.17
490.64	38.717	321.14
490.74	38.711	321.11
490.84	38.706	321.08
490.94	38.701	321.06
491.	38.698	321.04
491.01	38.697	
491.02		321.03
491.05	38.695	
491.14	38.691	321.
491.24	38.686	320.98
491.34	38.681	320.96
491.44	38.677	320.93
491.54	38.672	320.91
491.64	38.668	320.88
491.74	38.663	320.86
491.84	38.659	320.84
491.94	38.655	320.81
492.	38.652	320.8
492.01		320.79
492.02		
492.05	38.65	320.78
492.14	38.647	320.76
492.24	38.643	320.73
492.34	38.639	320.71
492.44	38.634	320.68
492.54	38.63	320.65
492.64	38.626	320.63
492.74	38.622	320.6
492.84	38.617	320.57
492.94	38.613	320.54
493.	38.61	320.52
493.01	38.609	
493.02		
493.05	38.607	320.51
493.14	38.603	320.48
493.24	38.598	320.46
493.34	38.593	320.43
493.44	38.588	320.4
493.54	38.583	320.37
493.64	38.578	320.34
493.74	38.573	320.31
493.84	38.568	320.28
493.94	38.563	320.25
494.	38.56	320.24
494.01	38.559	320.23
494.02		
494.05	38.557	320.22
494.14	38.552	320.2
494.24	38.547	320.17
494.34	38.542	320.14
494.44	38.537	320.11
494.54	38.531	320.08

494.64	38.526	320.05
494.74	38.52	320.02
494.84	38.515	319.99
494.94	38.509	319.96
495.	38.506	319.94
495.01	38.505	
495.02		
495.05	38.503	319.93
495.14	38.498	319.9
495.24	38.492	319.87
495.34	38.487	319.84
495.44	38.481	319.81
495.54	38.475	319.78
495.64	38.47	319.75
495.74	38.464	319.71
495.84	38.458	319.68
495.94	38.452	319.65
496.	38.449	319.63
496.01	38.448	
496.02	38.447	
496.05	38.446	319.62
496.14	38.44	319.59
496.24	38.435	319.56
496.34	38.429	319.53
496.44	38.423	319.5
496.54	38.417	319.47
496.64	38.412	319.44
496.74	38.406	319.41
496.84	38.401	319.39
496.94	38.395	319.36
497.	38.392	319.34
497.01		
497.02	38.391	
497.05	38.39	319.33
497.14	38.385	319.3
497.24	38.38	319.27
497.34	38.375	319.25
497.44	38.37	319.22
497.54	38.365	319.19
497.64	38.36	319.16
497.74	38.355	319.14
497.84	38.35	319.11
497.94	38.345	319.08
498.	38.343	319.06
498.01	38.342	
498.02		319.05
498.05	38.34	
498.14	38.336	319.02
498.24	38.331	318.99
498.34	38.326	318.96
498.44	38.321	318.93
498.54	38.316	318.9
498.64	38.311	318.87
498.74	38.306	318.84
498.84	38.301	318.81
498.94	38.296	318.78
499.	38.293	318.76
499.01	38.292	
499.02		318.75
499.05	38.29	318.74

499.14	38.286	318.72
499.24	38.281	318.69
499.34	38.275	318.66
499.44	38.27	318.63
499.54	38.265	318.6
499.64	38.26	318.57
499.74	38.255	318.54
499.84	38.25	318.51
499.94	38.245	318.48
500.	38.242	318.46
500.01	38.241	
500.02		
500.05	38.239	318.45
500.14	38.235	318.42
500.24	38.23	318.39
500.34	38.225	318.37
500.44	38.22	318.34
500.54	38.215	318.31
500.64	38.21	318.28
500.74	38.205	318.25
500.84	38.2	318.22
500.94	38.195	318.18
501.	38.192	318.17
501.01		318.16
501.02	38.191	
501.05	38.19	318.15
501.14	38.185	318.12
501.24	38.18	318.09
501.34	38.175	318.06
501.44	38.169	318.03
501.54	38.164	317.99
501.64	38.159	317.96
501.74	38.153	317.93
501.84	38.148	317.9
501.94	38.142	317.87
502.	38.139	317.85
502.01	38.138	317.84
502.02		
502.05	38.136	317.83
502.14	38.131	317.8
502.24	38.126	317.77
502.34	38.12	317.74
502.44	38.115	317.71
502.54	38.109	317.68
502.64	38.103	317.65
502.74	38.098	317.61
502.84	38.092	317.58
502.94	38.087	317.55
503.	38.083	317.53
503.01		
503.02	38.082	317.52
503.05	38.08	317.51
503.14	38.075	317.48
503.24	38.07	317.45
503.34	38.064	317.42
503.44	38.058	317.38
503.54	38.052	317.35
503.64	38.046	317.31
503.74	38.04	317.28
503.84	38.034	317.24

503.94	38.028	317.21
504.	38.024	317.19
504.01		
504.02	38.023	317.18
504.05	38.021	317.17
504.14	38.015	317.14
504.24	38.009	317.11
504.34	38.003	317.07
504.44	37.997	317.04
504.54	37.991	317.01
504.64	37.984	316.97
504.74	37.978	316.94
504.84	37.972	316.9
504.94	37.966	316.87
505.	37.962	316.85
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505.05	37.959	316.83
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505.24	37.948	316.77
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505.44	37.936	316.7
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505.74	37.918	316.6
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505.94	37.905	316.53
506.	37.902	316.51
506.01	37.901	316.5
506.02		
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506.24	37.887	316.42
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506.44	37.875	316.35
506.54	37.869	316.32
506.64	37.862	316.28
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506.84	37.85	316.21
506.94	37.844	316.17
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507.64	37.8	315.93
507.74	37.794	315.89
507.84	37.788	315.86
507.94	37.782	315.82
508.	37.778	315.8
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508.14	37.769	315.75
508.24	37.763	315.71
508.34	37.757	315.68

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511.64	37.574	314.53
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513.	37.506	314.06
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541.54	36.414	305.51
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541.94	36.4	305.39
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587.	34.982	292.37
592.	34.848	290.99
597.	34.717	289.64
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606.	34.487	287.22
612.	34.337	285.64
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1296.	26.334	174.72
1404.	25.764	163.94
1512.	25.274	154.12
1632.	24.808	144.26
1752.	24.404	135.29
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3276.	22.09	67.488
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3624.	21.911	59.057
3660.	21.893	58.265
3768.	21.853	56.47
3876.	21.817	55.142
3996.	21.78	53.743
4116.	21.749	52.416
4236.		

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4476.	21.677	49.02
4596.	21.659	48.063
4716.	21.644	47.146
4800.	21.634	46.523
4812.	21.633	46.435
4824.	21.631	46.346
4860.	21.627	46.085
4968.	21.618	45.332
5076.	21.611	44.606
5196.	21.603	43.917
5316.	21.598	43.265
5436.	21.594	42.635
5556.	21.591	42.027
5676.	21.589	41.439
5796.	21.588	40.871
5916.		40.321
6000.		39.945
6012.		39.892
6024.		39.838
6060.		39.68
6168.	21.59	39.219
6276.	21.592	38.771
6396.	21.595	38.289
6516.	21.598	37.823
6636.	21.602	37.371
6756.	21.606	36.933
6876.	21.61	36.509
6996.	21.615	36.098
7116.	21.62	35.7
7200.	21.623	35.427

Material Data

Drum Contents

TABLE 28
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 29
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 30
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 31
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 32

Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 33
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 34
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 35
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 36
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 37
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 38
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 39
Room Steel > Constants

Density	7854 kg m^-3

TABLE 40
Room Steel > Isotropic Thermal Conductivity

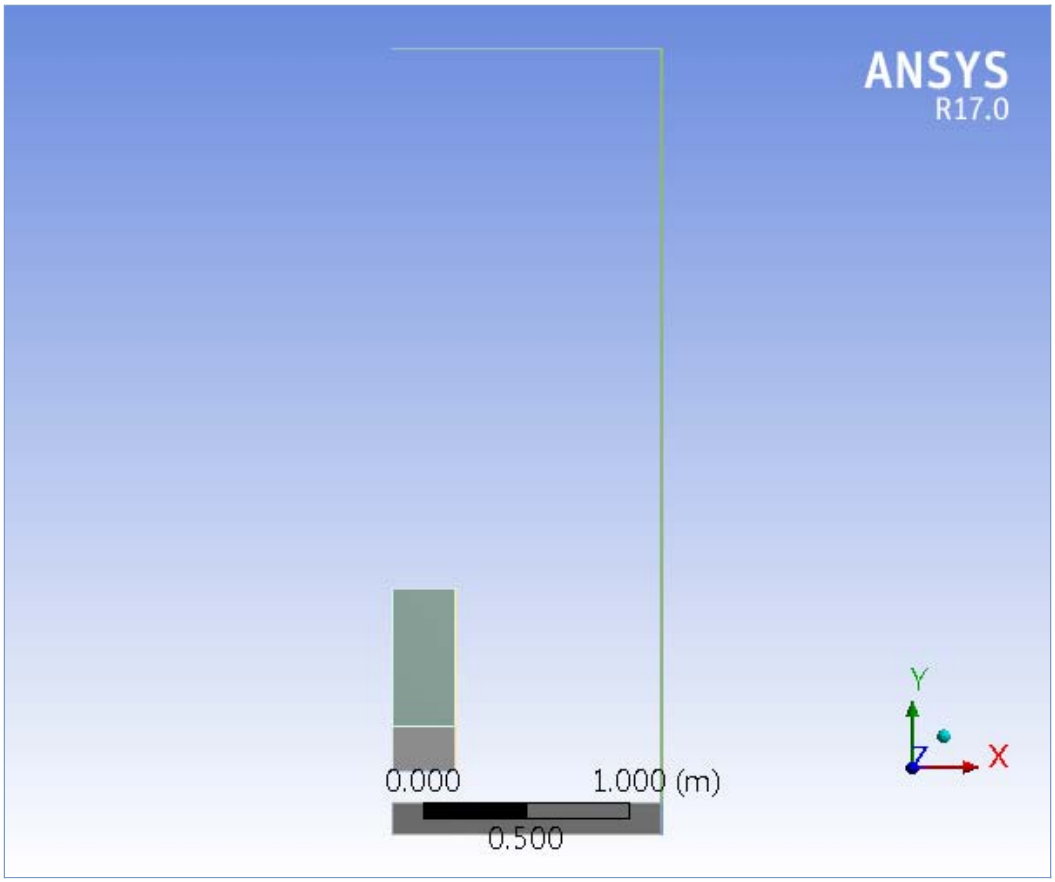
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 41
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_10ms_wind_from_northwest[2] Drum Heating
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



Contents

- Units
- Model (B4)
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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (B4)

Geometry

TABLE 2
Model (B4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-2\DM\SYS-2.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	

Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	13
Active Bodies	13
Nodes	3477
Elements	982
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (B4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										

Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											
Nodes	501	172	40	117	971	227	172	40	351	62	557
Elements	150	45	9	30	300	60	45	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (B4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*
State	Meshed	
Graphics Properties		
Visible	Yes	
Transparency	1	
Definition		
Suppressed	No	
Stiffness Behavior	Flexible	
Coordinate System	Default Coordinate System	
Reference Temperature	By Environment	
Behavior	None	
Material		
Assignment	Room Steel	
Nonlinear Effects	Yes	
Thermal Strain Effects	Yes	
Bounding Box		
Length X	6.35e-003 m	1.3035 m
Length Y	6.35e-003 m	
Properties		
Volume	N/A	
Mass	N/A	
Centroid X	N/A	
Centroid Y	N/A	
Centroid Z	N/A	
Moment of Inertia Ip1	N/A	
Moment of Inertia Ip2	N/A	
Moment of Inertia Ip3	N/A	
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²
Statistics		
Nodes	40	227
Elements	9	60
Mesh Metric	None	

Coordinate Systems

TABLE 5
Model (B4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m

Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (B4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (B4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Slider
Tolerance Slider	0.
Tolerance Value	1.0072e-002 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	14
Active Connections	14

TABLE 8
Model (B4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge				2 Edges	1 Edge					
Target	2 Edges		1 Edge	2 Edges	1 Edge		2 Edges				
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim	1.0072e-002 m										

Tolerance	
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (B4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Contact	1 Edge		2 Edges
Target	1 Edge	2 Edges	1 Edge
Contact Bodies	Surface Body		
Target Bodies	Surface Body		
Shell Thickness Effect	No		
Definition			
Type	Bonded		
Scope Mode	Automatic		
Behavior	Program Controlled		
Trim Contact	Program Controlled		
Trim Tolerance	1.0072e-002 m		
Suppressed	No		
Advanced			
Formulation	Program Controlled		
Detection Method	Program Controlled		
Elastic Slip Tolerance	Program Controlled		
Thermal Conductance	Program Controlled		
Pinball Region	Program Controlled		
Geometric Modification			
Contact Geometry Correction	None		
Target Geometry Correction	None		

Mesh

TABLE 10
Model (B4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	

Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	3477
Elements	982
Mesh Metric	None

TABLE 11
Model (B4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*
State	Fully Defined									
Scope										
Scoping Method	Named Selection									Geometry Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	
Geometry										13 Faces
Definition										
Suppressed	No									
Type	Number of Divisions									
Number of Divisions	3	15	10	20	5	25	3	50	20	
Behavior	Hard									
Bias Type	No Bias									
Mapped Mesh										Yes
Method										Quadrilaterals
Constrain Boundary										No

Advanced		
Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 12
Model (B4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*
State	Fully Defined								
Scope									
Scoping Method	Worksheet				Geometry Selection	Worksheet			
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Definition									
Send to Solver	Yes								
Visible	Yes								
Program Controlled Inflation	Exclude								
Statistics									
Type	Manual								
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m
Suppressed	0								
Used by Mesh Worksheet	No								
Tolerance									
Tolerance Type	Program Controlled					Program Controlled			
Zero Tolerance	1.e-008					1.e-008			
Relative Tolerance	1.e-003					1.e-003			

Transient Thermal (B5)

TABLE 13
Model (B4) > Analysis

Object Name	*Transient Thermal (B5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 14
Model (B4) > Transient Thermal (B5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined

Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 15
Model (B4) > Transient Thermal (B5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	160.
Current Step Number	160.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-2\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 16
Model (B4) > Transient Thermal (B5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Auto Time Stepping	Define By	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s	On	Time	1.e-002 s	1.e-003 s	2. s
2	4. s					
3	6. s					
4	8. s					
5	10. s					
6	12. s					
7	14. s					
8	16. s					
9	18. s					
10	20. s					

11	22. s
12	24. s
13	26. s
14	28. s
15	30. s
16	32. s
17	34. s
18	36. s
19	38. s
20	40. s
21	42. s
22	44. s
23	46. s
24	48. s
25	50. s
26	52. s
27	54. s
28	56. s
29	58. s
30	60. s
31	62. s
32	64. s
33	66. s
34	68. s
35	70. s
36	72. s
37	74. s
38	76. s
39	78. s
40	80. s
41	82. s
42	84. s
43	86. s
44	88. s
45	90. s
46	92. s
47	94. s
48	96. s
49	98. s
50	100. s
51	102. s
52	104. s
53	106. s
54	108. s
55	110. s
56	112. s
57	114. s
58	116. s
59	118. s
60	120. s
61	122. s
62	124. s
63	126. s
64	128. s
65	130. s
66	132. s
67	134. s
68	136. s
69	138. s
70	140. s
71	

	142. s
72	144. s
73	146. s
74	148. s
75	150. s
76	152. s
77	154. s
78	156. s
79	158. s
80	160. s
81	162. s
82	164. s
83	166. s
84	168. s
85	170. s
86	172. s
87	174. s
88	176. s
89	178. s
90	180. s
91	182. s
92	184. s
93	186. s
94	188. s
95	190. s
96	192. s
97	194. s
98	196. s
99	198. s
100	200. s
101	202. s
102	204. s
103	206. s
104	208. s
105	210. s
106	212. s
107	214. s
108	216. s
109	218. s
110	220. s
111	222. s
112	224. s
113	226. s
114	228. s
115	230. s
116	232. s
117	234. s
118	236. s
119	238. s
120	240. s
121	242. s
122	244. s
123	246. s
124	248. s
125	250. s
126	252. s
127	254. s
128	256. s
129	258. s
130	260. s
131	

	262. s					
132	264. s					
133	266. s					
134	268. s					
135	270. s					
136	272. s					
137	274. s					
138	276. s					
139	278. s					
140	280. s					
141	282. s	Program Controlled				
142	284. s					
143	286. s					
144	288. s					
145	290. s					
146	292. s					
147	294. s					
148	296. s					
149	298. s					
150	300. s					
151	302. s					

| | | |

| | | |

								0.2 s
152	400. s				0.98 s	9.8e-002 s	9.8 s	
153	500. s				1. s	0.1 s	10. s	
154	600. s							
155	1200. s				6. s	0.6 s	60. s	
156	2400. s				12. s	1.2 s	120. s	
157	3600. s							
158	4800. s							
159	6000. s							
160	7200. s							

TABLE 17
Model (B4) > Transient Thermal (B5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*
State	Fully Defined									
Scope										
Scoping Method	Geometry Selection									
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges		
Definition										
Type	Temperature	Radiation						Convection	Heat Flux	Radiation
Magnitude	22.25 °C (step applied)								Tabular Data	
Suppressed	No									
Correlation		Surface to Surface								To Ambient
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			1. (step applied)
Enclosure		1.								
Enclosure Type		Perfect								
Film Coefficient								Tabular Data		
Ambient Temperature								Tabular Data		16.85 °C (step applied)
Convection Matrix								Program Controlled		
Edit Data For								Film Coefficient		
Tabular Data										
Independent Variable								Time		

FIGURE 1
Model (B4) > Transient Thermal (B5) > Temperature

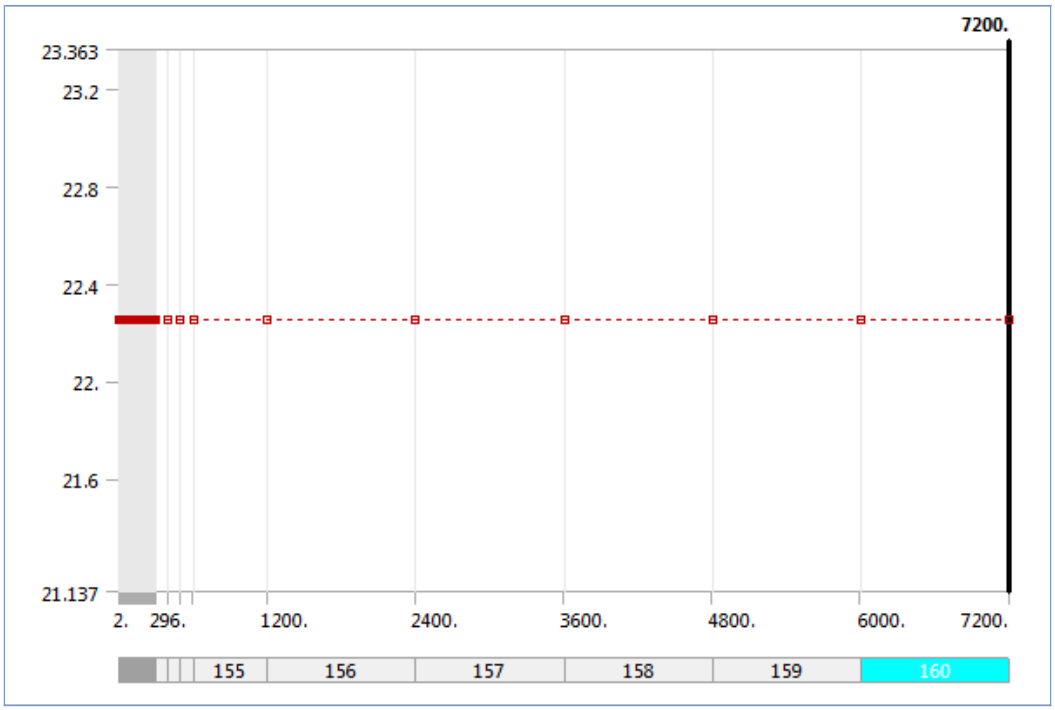


FIGURE 2
Model (B4) > Transient Thermal (B5) > Radiation 2

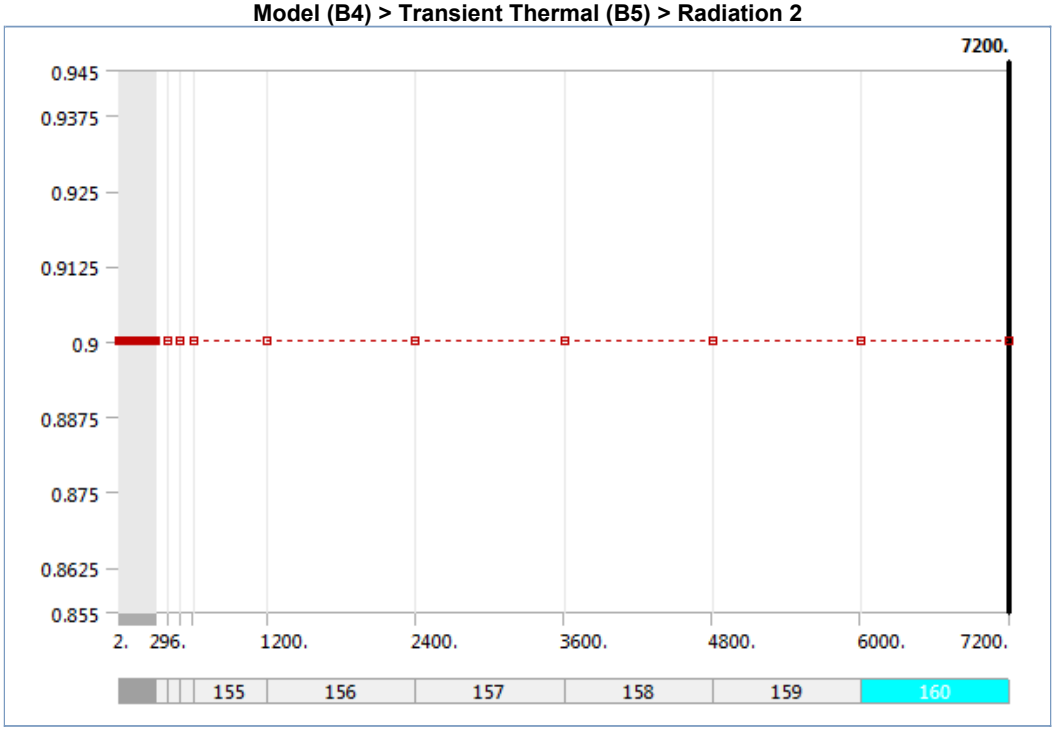


FIGURE 3
Model (B4) > Transient Thermal (B5) > Radiation 3

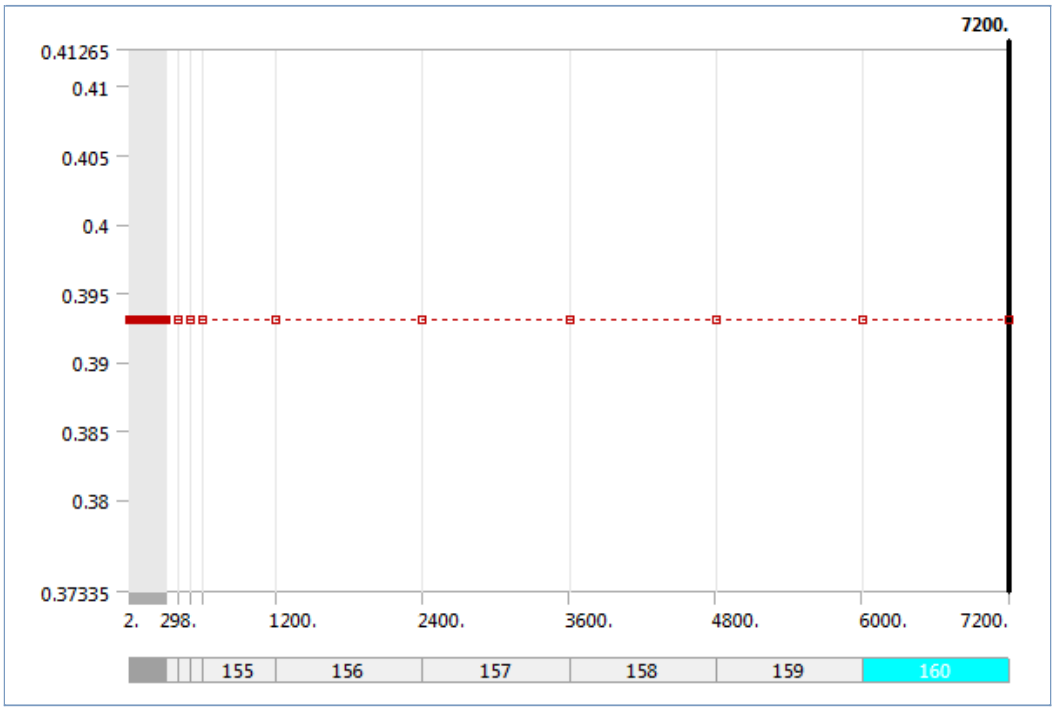


FIGURE 4
Model (B4) > Transient Thermal (B5) > Radiation 4

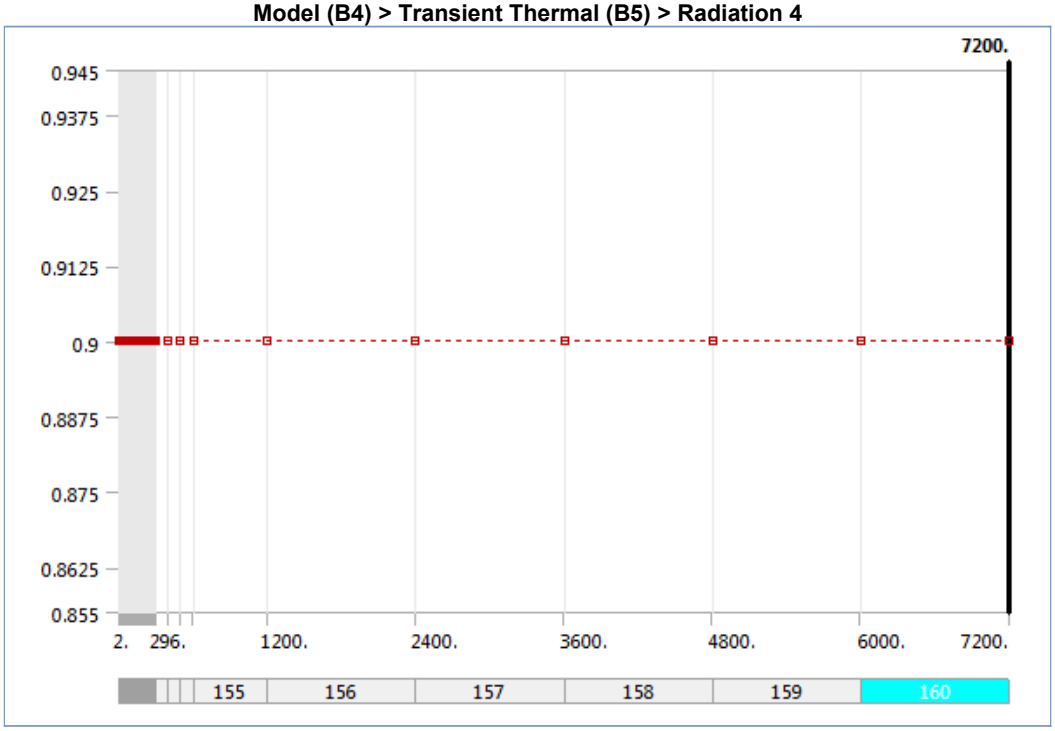


FIGURE 5
Model (B4) > Transient Thermal (B5) > Radiation 5

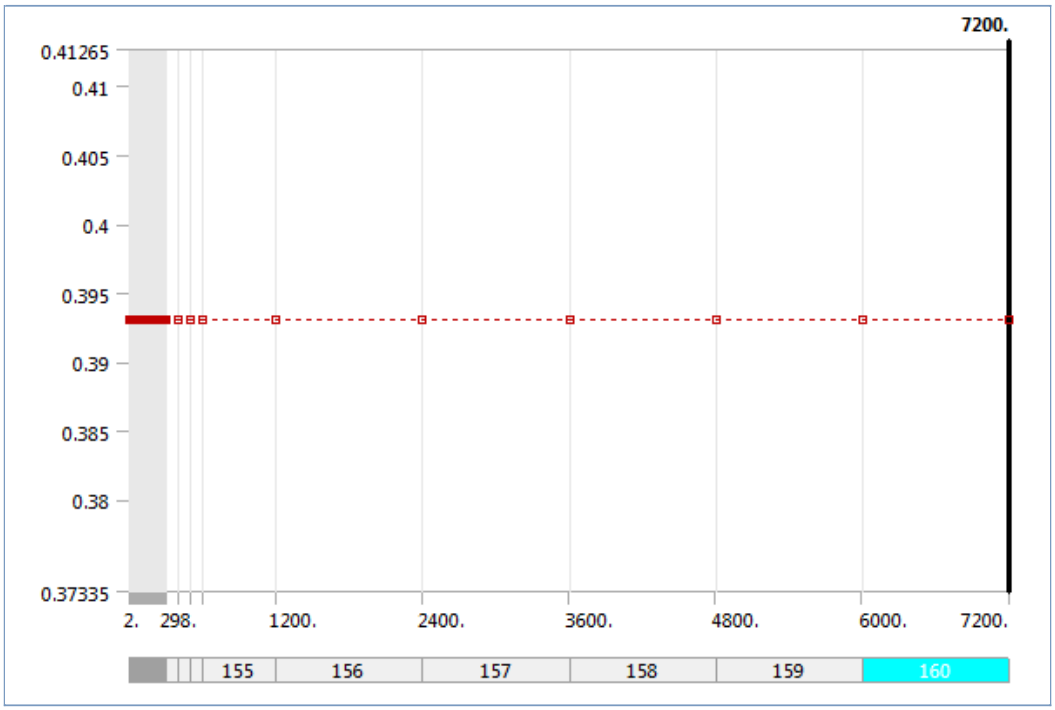


FIGURE 6
Model (B4) > Transient Thermal (B5) > Radiation 6

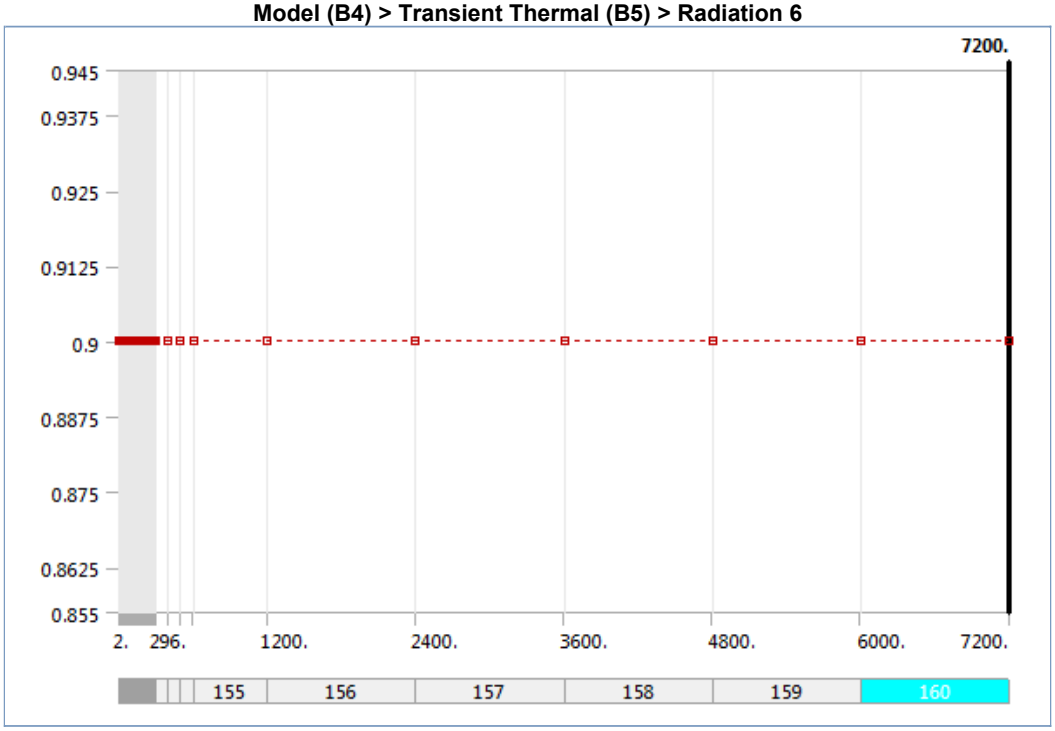


FIGURE 7
Model (B4) > Transient Thermal (B5) > Radiation 7

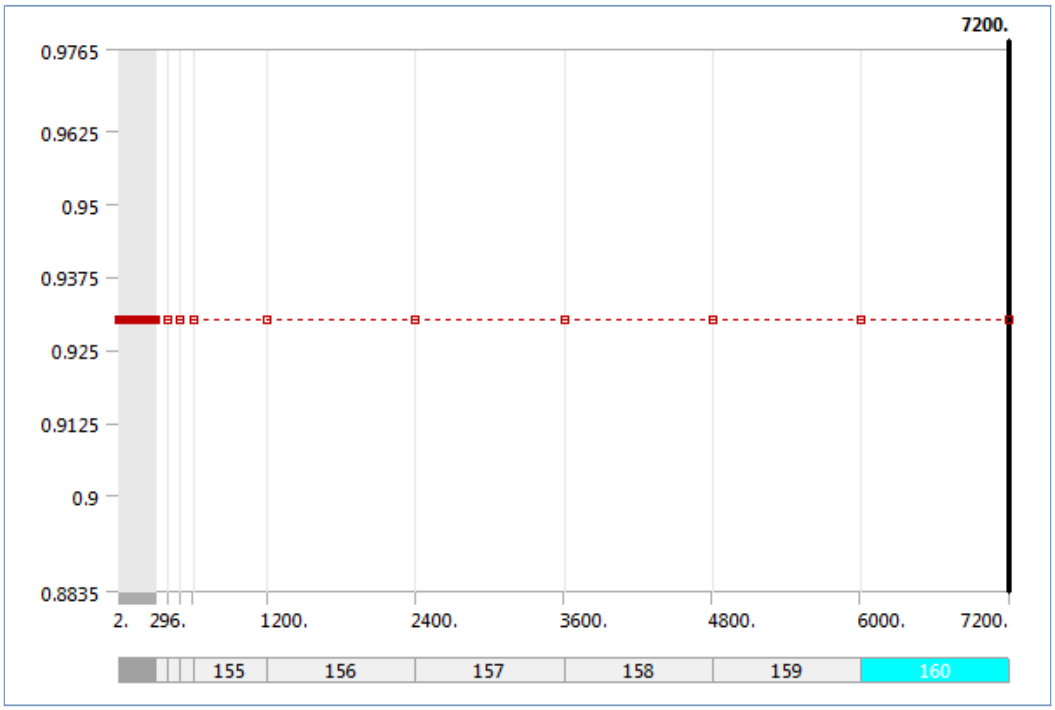


FIGURE 8
Model (B4) > Transient Thermal (B5) > Convection

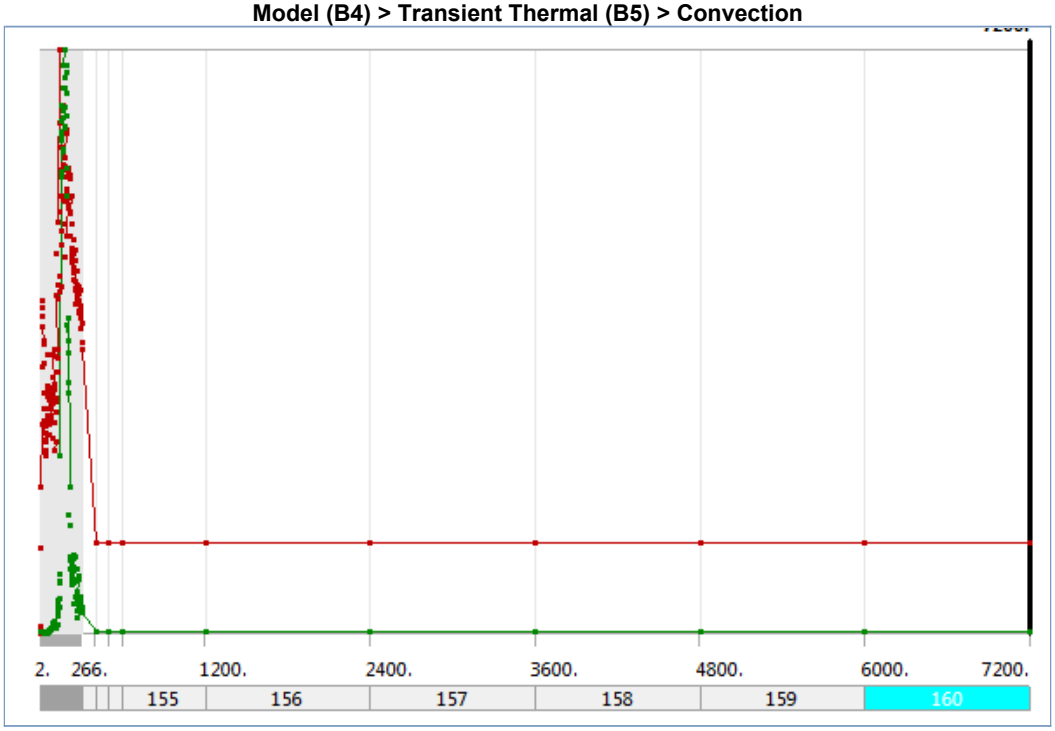


TABLE 18
Model (B4) > Transient Thermal (B5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.67	
2	4.	4.74	16.92
3	6.	7.61	
4	8.	10.57	
5	10.	13.29	17.09
6	12.	15.67	17.18

7	14.	16.44	17.44
8	16.	16.11	17.2
9	18.	15.18	17.04
10	20.	14.55	16.9
11	22.	14.36	16.67
12	24.	13.47	16.56
13	26.	12.05	16.43
14	28.	11.33	16.3
15	30.	10.74	16.18
16	32.	9.85	16.05
17	34.	9.75	15.9
18	36.	9.29	15.76
19	38.	9.09	15.63
20	40.	9.18	15.51
21	42.	10.15	15.39
22	44.	10.48	15.26
23	46.	10.96	15.13
24	48.	12.15	15.32
25	50.	12.35	14.98
26	52.	11.02	14.73
27	54.	13.89	14.62
28	56.	11.85	15.6
29	58.	12.	16.86
30	60.	10.59	16.8
31	62.	10.09	16.44
32	64.	10.7	16.83
33	66.	11.31	17.65
34	68.	11.73	19.9
35	70.	11.	20.99
36	72.	11.48	21.98
37	74.	10.91	22.52
38	76.	11.31	21.81
39	78.	12.28	21.45
40	80.	11.92	21.93
41	82.	11.99	25.
42	84.	11.87	24.73
43	86.	12.17	28.8
44	88.	11.59	31.38
45	90.	9.89	35.05
46	92.	12.8	32.15
47	94.	13.87	28.
48	96.	12.45	27.56
49	98.	14.11	32.59
50	100.	11.69	37.23
51	102.	12.23	35.65
52	104.	10.61	33.33
53	106.	9.34	30.76
54	108.	9.74	29.25
55	110.	11.82	28.96
56	112.	11.65	31.04
57	114.	11.18	25.73
58	116.	13.75	24.45
59	118.	18.69	23.46
60	120.	16.67	29.26
61	122.	13.69	32.27
62	124.	16.52	57.86
63	126.	17.13	63.74
64	128.	14.1	77.24
65	130.	13.03	48.29
66	132.	20.13	74.72
67			

	134.	28.3	65.11
68	136.	22.63	114.86
69	138.	20.66	81.46
70	140.	16.83	110.04
71	142.	17.59	128.73
72	144.	24.83	353.9
73	146.	24.98	961.17
74	148.	19.75	988.76
75	150.	17.05	967.64
76	152.	25.08	1018.5
77	154.	23.68	881.28
78	156.	19.09	951.06
79	158.	21.37	890.52
80	160.	21.17	933.89
81	162.	22.85	1006.4
82	164.	22.75	1049.9
83	166.	25.7	995.8
84	168.	23.68	931.92
85	170.	22.76	1095.6
86	172.	22.78	1123.8
87	174.	18.45	1070.9
88	176.	20.04	978.75
89	178.	21.15	976.1
90	180.	24.37	1013.
91	182.	23.22	1051.
92	184.	24.51	1039.5
93	186.	24.32	1082.5
94	188.	21.48	898.35
95	190.	21.73	998.2
96	192.	22.6	1095.7
97	194.	22.24	844.59
98	196.	19.49	601.51
99	198.	21.31	572.02
100	200.	22.42	546.17
101	202.	20.83	472.89
102	204.	20.79	240.57
103	206.	22.72	493.03
104	208.	21.	613.12
105	210.	21.28	292.34
106	212.	22.37	220.65
107	214.	22.18	153.86
108	216.	19.49	152.39
109	218.	20.52	136.15
110	220.	20.59	160.14
111	222.	21.36	121.26
112	224.	18.86	128.35
113	226.	20.04	120.
114	228.	18.63	149.08
115	230.	18.39	108.19
116	232.	18.91	117.27
117	234.	18.23	117.71
118	236.	18.61	133.85
119	238.	19.29	111.
120	240.	17.42	71.65
121	242.	17.83	112.36
122	244.	17.77	164.68
123	246.	17.98	140.7
124	248.	17.37	160.84
125	250.	16.88	112.65
126	252.	18.79	118.16
127			

	254.	18.28	113.16
128	256.	16.97	135.55
129	258.	16.24	84.62
130	260.	16.49	58.77
131	262.	17.18	45.72
132	264.	16.91	93.4
133	266.	16.57	136.77
134	268.	16.68	77.6
135	270.	17.86	84.22
136	272.	16.68	87.07
137	274.	15.83	117.81
138	276.	16.4	122.62
139	278.	15.95	64.41
140	280.	17.05	82.12
141	282.	16.45	71.19
142	284.	16.34	81.93
143	286.	16.92	75.47
144	288.	15.62	84.6
145	290.	15.8	75.63
146	292.	15.1	61.16
147	294.	15.9	58.1
148	296.	16.17	54.87
149	298.	15.33	54.6
150	300.	14.44	63.06
151	302.	14.08	52.76
152	400.	5.	16.85
153	500.		
154	600.		
155	1200.		
156	2400.		
157	3600.		
158	4800.		
159	6000.		
160	7200.		

FIGURE 9
Model (B4) > Transient Thermal (B5) > Heat Flux

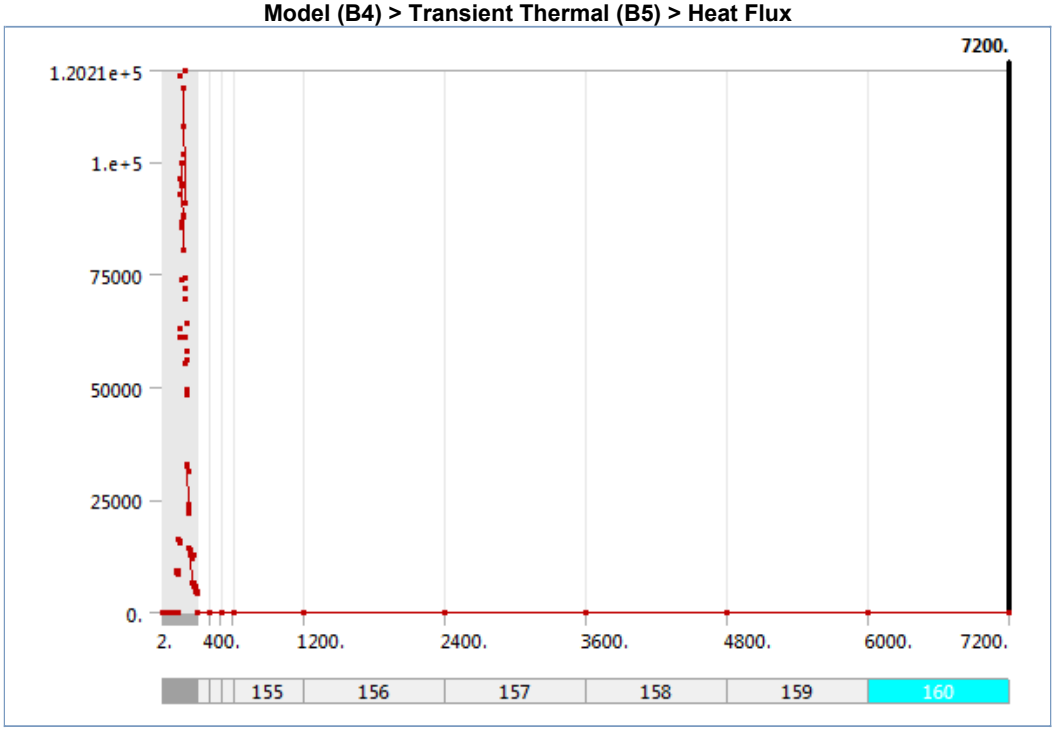


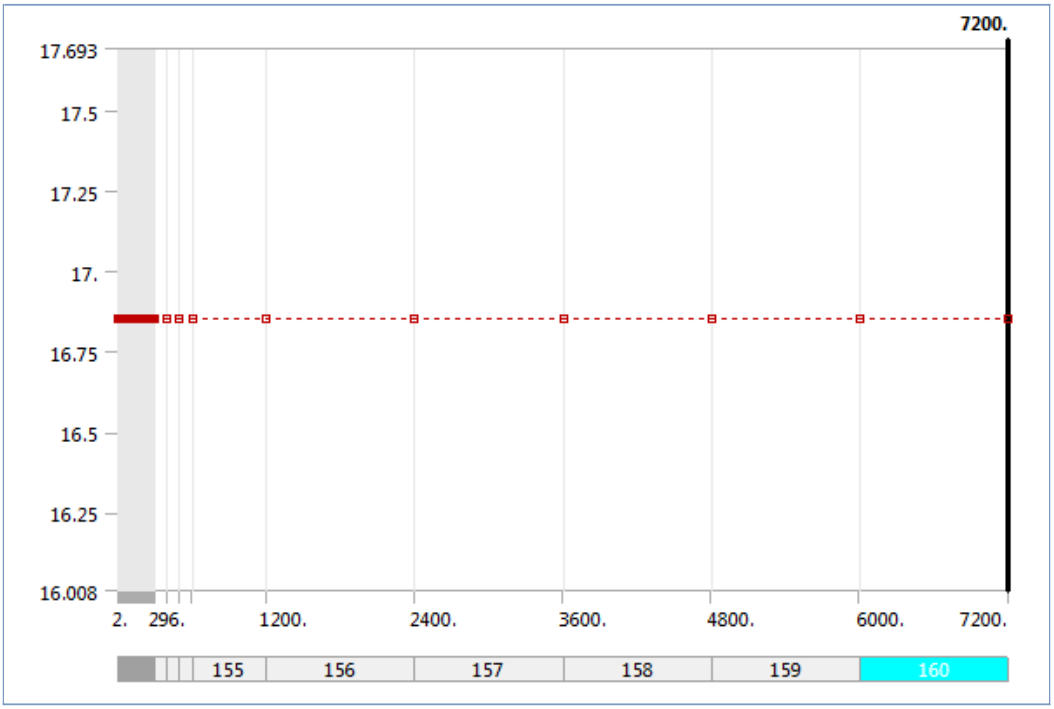
TABLE 19
Model (B4) > Transient Thermal (B5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	0.3
3	6.	0.7
4	8.	0.5
5	10.	0.9
6	12.	0.
7	14.	
8	16.	
9	18.	
10	20.	
11	22.	
12	24.	
13	26.	
14	28.	
15	30.	
16	32.	
17	34.	
18	36.	
19	38.	
20	40.	
21	42.	
22	44.	
23	46.	
24	48.	
25	50.	
26	52.	
27	54.	
28	56.	
29	58.	
30	60.	
31	62.	
32	64.	
33	66.	
34	68.	
35	70.	
36	72.	
37	74.	
38	76.	
39	78.	
40	80.	
41	82.	
42	84.	
43	86.	
44	88.	
45	90.	
46	92.	
47	94.	
48	96.	
49	98.	
50	100.	
51	102.	
52	104.	
53	106.	
54	108.	
55	110.	
56	112.	
57	114.	

58	116.	
59	118.	
60	120.	9116.9
61	122.	9114.8
62	124.	9056.7
63	126.	9435.9
64	128.	9033.6
65	130.	8927.7
66	132.	8776.3
67	134.	0.3
68	136.	0.
69	138.	8314.
70	140.	16178
71	142.	15691
72	144.	15445
73	146.	60895
74	148.	1.1896e+005
75	150.	92931
76	152.	62926
77	154.	96198
78	156.	95071
79	158.	73959
80	160.	94575
81	162.	86500
82	164.	85491
83	166.	85643
84	168.	86039
85	170.	99638
86	172.	80556
87	174.	1.017e+005
88	176.	1.0787e+005
89	178.	87800
90	180.	94984
91	182.	88123
92	184.	1.1626e+005
93	186.	90789
94	188.	72019
95	190.	74149
96	192.	1.2021e+005
97	194.	61077
98	196.	69602
99	198.	55386
100	200.	56032
101	202.	64291
102	204.	48127
103	206.	48960
104	208.	49314
105	210.	33046
106	212.	57908
107	214.	32568
108	216.	23891
109	218.	31410
110	220.	23107
111	222.	22770
112	224.	22228
113	226.	21972
114	228.	14443
115	230.	14092
116	232.	13996
117	234.	13675
118		

	236.	13504
119	238.	13420
120	240.	13228
121	242.	12998
122	244.	12563
123	246.	6418.6
124	248.	12154
125	250.	12062
126	252.	12003
127	254.	12223
128	256.	12468
129	258.	12592
130	260.	12693
131	262.	6538.1
132	264.	6150.8
133	266.	6113.6
134	268.	6134.4
135	270.	5977.4
136	272.	5916.
137	274.	5848.8
138	276.	5732.2
139	278.	5563.3
140	280.	5479.
141	282.	5269.
142	284.	5237.2
143	286.	4852.5
144	288.	4722.8
145	290.	4618.6
146	292.	4565.
147	294.	4571.2
148	296.	4575.
149	298.	4674.7
150	300.	4427.
151	302.	0.
152	400.	
153	500.	
154	600.	
155	1200.	
156	2400.	
157	3600.	
158	4800.	
159	6000.	
160	7200.	

FIGURE 10
Model (B4) > Transient Thermal (B5) > Radiation



Solution (B6)

TABLE 20
Model (B4) > Transient Thermal (B5) > Solution

Object Name	*Solution (B6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	8 m 9 s
MAPDL Memory Used	762. MB
MAPDL Result File Size	975.44 MB
Post Processing	
Calculate Beam Section Results	No

TABLE 21
Model (B4) > Transient Thermal (B5) > Solution (B6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 22
Model (B4) > Transient Thermal (B5) > Solution (B6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	23.902 °C	-7.6853 °C
Maximum	472.82 °C	16.85 °C

FIGURE 11
Model (B4) > Transient Thermal (B5) > Solution (B6) > Solution Information > Temperature - Global Maximum

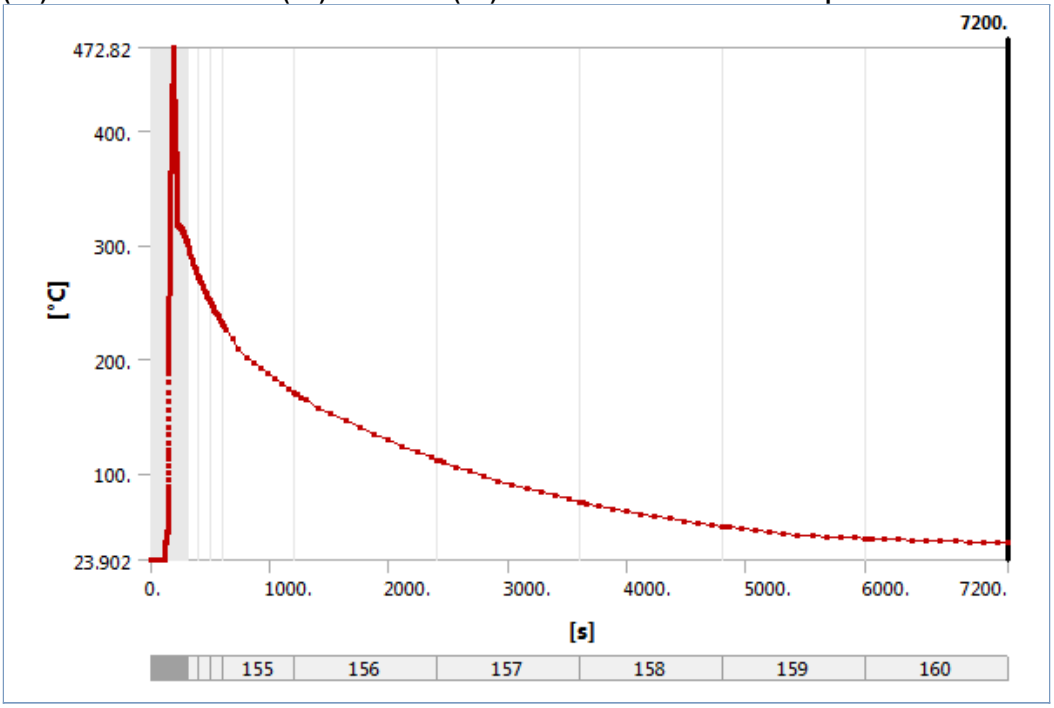


FIGURE 12
Model (B4) > Transient Thermal (B5) > Solution (B6) > Solution Information > Temperature - Global Minimum

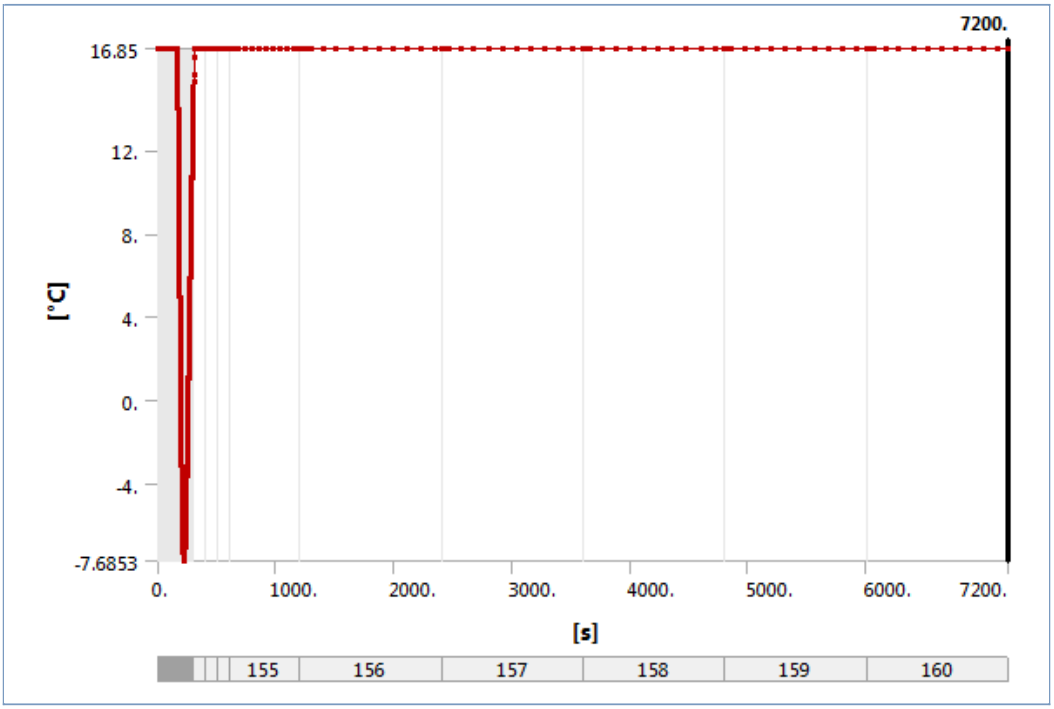


TABLE 23
Model (B4) > Transient Thermal (B5) > Solution (B6) > Results

Object Name	*Temperature*	*Temperature 2*	*Temperature 3*	*Temperature 4*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	6 Faces	4 Faces
Definition				
Type	Temperature			
By	Time			
Display Time	Last			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	21.682 °C	23.929 °C	27.803 °C	21.682 °C
Maximum	38.738 °C	37.606 °C	35.881 °C	33.383 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	-7.6853 °C	23.206 °C	23.859 °C	21.649 °C
Maximum	22.25 °C	23.929 °C	28.069 °C	55.867 °C
Maximum Value Over Time				
Minimum	23.902 °C	23.89 °C		23.683 °C
Maximum	472.82 °C	98.145 °C	206.57 °C	472.82 °C
Information				
Time	7200. s			
Load Step	160			
Substep	13			
Iteration Number	2217			

FIGURE 13
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature

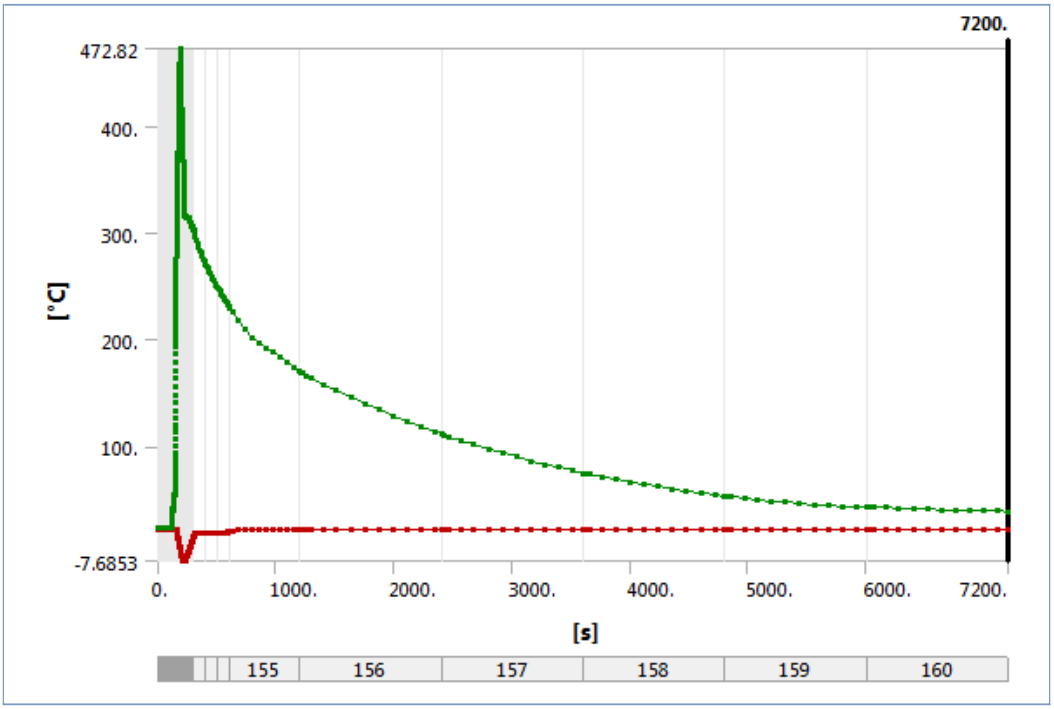


TABLE 24
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002		24.131
2.e-002		24.13
5.e-002		
0.14		24.129
0.41		24.126
1.22		24.119
2.		24.112
2.02		
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		24.095
4.02		
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088
5.08		24.086
5.28		24.084
5.48		24.083
5.68		24.081
5.88		24.079
6.		

6.02	24.078
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.065
7.68	24.064
7.88	24.062
8.	24.061
8.02	
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.055
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.048
9.68	24.047
9.88	24.045
10.	24.044
10.02	
10.04	
10.1	24.043
10.28	24.042
10.48	24.04
10.68	24.038
10.88	24.037
11.08	24.035
11.28	24.033
11.48	24.031
11.68	24.03
11.88	24.028
12.	24.027
12.02	
12.04	
12.1	24.026
12.28	24.025
12.48	24.023
12.68	24.021
12.88	24.019
13.08	24.018
13.28	24.016
13.48	24.014
13.68	24.013
13.88	24.011
14.	24.01
14.02	
14.04	24.009
14.1	
14.28	24.007
14.48	24.006
14.68	24.004
14.88	24.002
15.08	24.

15.28	23.999
15.48	23.997
15.68	23.995
15.88	23.993
16.	23.992
16.02	
16.04	
16.1	
16.28	23.99
16.48	23.988
16.68	23.986
16.88	23.985
17.08	23.983
17.28	23.981
17.48	23.979
17.68	23.978
17.88	23.976
18.	23.975
18.02	
18.04	23.974
18.1	
18.28	23.972
18.48	23.971
18.68	23.969
18.88	23.967
19.08	23.965
19.28	23.963
19.48	23.962
19.68	23.96
19.88	
20.	23.959
20.02	
20.04	
20.1	
20.28	23.958
20.48	23.957
20.68	23.956
20.88	
21.08	23.955
21.28	23.954
21.48	
21.68	23.953
21.88	23.952
22.	
22.02	
22.04	
22.1	23.951
22.28	
22.48	23.95
22.68	23.949
22.88	
23.08	23.948
23.28	23.947
23.48	
23.68	23.946
23.88	23.945
24.	
24.02	
24.04	23.944
24.1	

24.28	
24.48	23.943
24.68	23.942
24.88	23.941
25.08	
25.28	23.94
25.48	23.939
25.68	23.938
25.88	
26.	23.937
26.02	
26.04	
26.1	
26.28	23.936
26.48	23.935
26.68	
26.88	23.934
27.08	23.933
27.28	23.932
27.48	23.931
27.68	
27.88	23.93
28.	23.929
28.02	
28.04	
28.1	
28.28	23.928
28.48	
28.68	23.927
28.88	23.926
29.08	23.925
29.28	23.924
29.48	
29.68	23.923
29.88	23.922
30.	23.921
30.02	
30.04	
30.1	
30.28	23.92
30.48	
30.68	23.919
30.88	23.918
31.08	23.917
31.28	23.916
31.48	23.915
31.68	
31.88	23.914
32.	23.913
32.02	
32.04	
32.1	
32.28	23.912
32.48	23.911
32.68	23.91
32.88	
33.08	23.909
33.28	23.908
33.48	23.907
33.68	23.906

33.88	
34.	
34.02	23.905
34.04	
34.1	
34.28	23.904
34.48	23.903
34.68	
34.88	
35.08	
35.28	23.902
35.48	
35.68	
35.88	
36.	
36.02	
36.04	
36.1	
36.28	
36.48	
36.68	
36.88	
37.08	
37.28	
37.48	
37.68	
37.88	23.903
38.	
38.02	
38.04	
38.1	
38.28	
38.48	
38.68	
38.88	
39.08	
39.28	
39.48	
39.68	
39.88	
40.	
40.02	
40.04	
40.1	
40.28	23.904
40.48	
40.68	
40.88	
41.08	
41.28	
41.48	
41.68	
41.88	
42.	
42.02	
42.04	23.905
42.1	
42.28	
42.48	
42.68	

42.88	
43.08	
43.28	
43.48	23.906
43.68	
43.88	
44.	
44.02	
44.04	
44.1	
44.28	
44.48	
44.68	
44.88	
45.08	
45.28	
45.48	
45.68	23.907
45.88	
46.	
46.02	
46.04	
46.1	
46.28	
46.48	
46.68	
46.88	
47.08	
47.28	
47.48	
47.68	
47.88	23.908
48.	
48.02	
48.04	
48.1	
48.28	
48.48	
48.68	
48.88	
49.08	
49.28	
49.48	
49.68	
49.88	
50.	
50.02	
50.04	
50.1	
50.28	23.909
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	
51.88	
52.	
52.02	

52.04	
52.1	
52.28	
52.48	
52.68	
52.88	
53.08	
53.28	23.91
53.48	
53.68	
53.88	
54.	
54.02	
54.04	
54.1	
54.28	
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55.08	
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56.02	
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56.28	
56.48	23.911
56.68	
56.88	
57.08	
57.28	
57.48	
57.68	
57.88	23.912
58.	
58.02	
58.04	
58.1	
58.28	
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59.08	
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59.88	
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60.1	
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60.48	
60.68	23.917
60.88	
61.08	
61.28	23.918

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61.68	23.919
61.88	
62.	
62.02	
62.04	
62.1	
62.28	
62.48	23.92
62.68	
62.88	
63.08	23.921
63.28	
63.48	
63.68	23.922
63.88	
64.	
64.02	
64.04	
64.1	
64.28	23.923
64.48	
64.68	
64.88	23.924
65.08	
65.28	
65.48	
65.68	23.925
65.88	
66.	
66.02	
66.04	
66.1	
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66.88	
67.08	23.927
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67.48	
67.68	
67.88	23.928
68.	
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68.04	
68.1	
68.28	
68.48	
68.68	
68.88	23.929
69.08	
69.28	
69.48	
69.68	23.93
69.88	
70.	
70.02	
70.04	
70.1	
70.28	

70.48	
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71.08	
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71.48	
71.68	23.932
71.88	
72.	
72.02	
72.04	
72.1	
72.28	
72.48	
72.68	23.933
72.88	
73.08	
73.28	
73.48	
73.68	
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74.04	
74.1	
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74.88	
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75.88	
76.	
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76.04	
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80.88	
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82.	
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89.08	
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90.	
90.02	23.937
90.04	
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91.08	
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92.	
92.02	23.936
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92.88	
93.08	
93.28	
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93.68	
93.88	23.935
94.	
94.02	
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94.88	
95.08	23.934
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95.68	
95.88	
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96.02	
96.04	
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96.68	
96.88	
97.08	
97.28	
97.48	
97.68	23.932
97.88	
98.	
98.02	
98.04	

98.1	23.931
98.28	
98.48	
98.68	
98.88	
99.08	23.93
99.28	
99.48	
99.68	
99.88	
100.	
100.02	23.929
100.04	
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100.28	
100.48	
100.68	
100.88	
101.08	23.928
101.28	
101.48	
101.68	
101.88	23.927
102.	
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102.04	
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102.28	
102.48	
102.68	23.926
102.88	
103.08	
103.28	
103.48	23.925
103.68	
103.88	
104.	
104.02	
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104.1	
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104.48	
104.68	
104.88	
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105.28	
105.48	
105.68	23.922
105.88	
106.	
106.02	
106.04	
106.1	
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106.48	23.921
106.68	
106.88	
107.08	23.92
107.28	
107.48	

107.68	
107.88	23.919
108.	
108.02	
108.04	
108.1	
108.28	
108.48	23.918
108.68	
108.88	
109.08	23.917
109.28	
109.48	
109.68	
109.88	23.916
110.	
110.02	
110.04	
110.1	
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110.48	23.915
110.68	
110.88	
111.08	23.914
111.28	
111.48	
111.68	23.913
111.88	
112.	
112.02	
112.04	
112.1	
112.28	
112.48	23.912
112.68	
112.88	
113.08	23.911
113.28	
113.48	
113.68	23.91
113.88	
114.	
114.02	
114.04	
114.1	
114.28	23.909
114.48	
114.68	
114.88	23.908
115.08	
115.28	
115.48	23.907
115.68	
115.88	
116.	
116.02	
116.04	
116.1	23.906
116.28	
116.48	

116.68	
116.88	23.905
117.08	
117.28	
117.48	23.904
117.68	
117.88	
118.	
118.02	
118.04	23.903
118.1	
118.22	
118.33	24.074
118.45	24.294
118.65	24.769
118.85	25.327
119.05	25.985
119.25	26.711
119.45	27.497
119.65	28.339
119.85	29.233
120.	29.944
120.02	30.034
120.04	30.122
120.1	30.367
120.28	31.004
120.48	31.633
120.68	32.205
120.88	32.734
121.08	33.228
121.28	33.694
121.48	34.136
121.68	34.557
121.88	34.959
122.	35.195
122.02	35.234
122.04	35.273
122.1	35.39
122.28	35.732
122.48	36.103
122.68	36.466
122.88	36.822
123.08	37.17
123.28	37.513
123.48	37.85
123.68	38.182
123.88	38.509
124.	38.704
124.02	38.737
124.04	38.769
124.1	38.867
124.28	39.156
124.48	39.475
124.68	39.791
124.88	40.104
125.08	40.414
125.28	40.722
125.48	41.028
125.68	41.331
125.88	41.633

126.	41.813
126.02	41.842
126.04	41.872
126.1	41.958
126.28	42.204
126.48	42.466
126.68	42.718
126.88	42.96
127.08	43.195
127.28	43.423
127.48	43.644
127.68	43.858
127.88	44.066
128.	44.189
128.02	44.21
128.04	44.23
128.1	44.289
128.28	44.46
128.48	44.641
128.68	44.816
128.88	44.983
129.08	45.146
129.28	45.302
129.48	45.454
129.68	45.6
129.88	45.742
130.	45.826
130.02	45.84
130.04	45.854
130.1	45.899
130.28	46.04
130.48	46.203
130.68	46.372
130.88	46.545
131.08	46.723
131.28	46.905
131.48	47.09
131.68	47.279
131.88	47.472
132.	47.59
132.02	47.606
132.04	47.619
132.1	47.636
132.28	47.551
132.48	47.334
132.68	47.02
132.88	46.622
133.08	46.153
133.28	45.617
133.48	45.023
133.68	44.373
133.88	43.672
134.	43.233
134.02	43.164
134.04	43.097
134.1	42.916
134.28	42.486
134.48	42.098
134.68	41.773
134.88	41.496
135.08	

	41.258
135.28	41.05
135.48	40.867
135.68	40.706
135.88	40.562
136.	40.481
136.02	40.47
136.04	40.462
136.1	40.454
136.28	40.542
136.48	40.743
136.68	41.028
136.88	41.385
137.08	41.806
137.28	42.285
137.48	42.818
137.68	43.401
137.88	44.03
138.	44.424
138.02	44.49
138.04	44.557
138.1	44.764
138.28	45.429
138.48	46.217
138.68	47.049
138.88	47.922
139.08	48.834
139.28	49.783
139.48	50.768
139.68	51.786
139.88	52.836
140.	53.477
140.02	53.582
140.04	53.683
140.1	53.971
140.28	54.737
140.48	55.507
140.68	56.218
140.88	56.882
141.08	57.508
141.28	58.101
141.48	58.667
141.68	59.209
141.88	59.729
142.	60.034
142.02	60.087
142.04	60.14
142.1	60.31
142.28	60.875
142.48	61.558
142.68	62.288
142.88	63.063
143.08	63.882
143.28	64.745
143.48	65.651
143.68	66.601
143.88	67.596
144.	68.21
144.02	68.332
144.04	68.473
144.1	

		69.028
144.28		71.509
144.48		75.009
144.68		79.106
144.88		83.71
145.08		88.76
145.28		94.213
145.48		100.03
145.68		106.19
145.88		112.66
146.		116.66
146.02		117.32
146.04		117.99
146.1		120.
146.28		126.17
146.48		133.2
146.68	22.25	140.42
146.88		147.83
147.08		155.41
147.28		163.18
147.48		171.12
147.68		179.23
147.88		187.51
148.		192.53
148.02		193.34
148.04		194.12
148.1		196.28
148.28		201.67
148.46		206.27
148.66		210.65
148.86		214.43
149.06		217.7
149.26		220.53
149.46		222.97
149.66	22.176	225.06
149.86	22.08	226.84
150.	22.019	227.93
150.02	22.01	228.09
150.04	22.002	228.24
150.1	21.977	228.69
150.28	21.913	229.9
150.48	21.855	231.08
150.68	21.809	232.07
150.88	21.776	232.9
151.08	21.757	233.57
151.28	21.75	234.08
151.48	21.756	234.45
151.68	21.775	234.67
151.88	21.806	234.76
152.	21.83	
152.02	21.834	234.78
152.04	21.838	234.81
152.1	21.852	235.03
152.28	21.901	236.31
152.48	21.966	238.3
152.68	21.949	240.69
152.88	21.896	243.43
153.08	21.841	246.45
153.28	21.785	249.71
153.48	21.727	253.2

153.68	21.668	256.87
153.88	21.608	260.73
154.	21.571	263.1
154.02	21.565	263.48
154.04	21.558	263.86
154.1	21.54	264.93
154.28	21.483	267.79
154.46	21.424	270.42
154.66	21.358	273.14
154.86	21.291	275.69
155.06	21.222	278.11
155.26	21.151	280.42
155.46	21.08	282.63
155.66	21.007	284.75
155.86	20.933	286.8
156.	20.881	288.19
156.02	20.873	288.39
156.04	20.866	288.57
156.1	20.843	289.08
156.28	20.774	290.29
156.48	20.697	291.33
156.68	20.618	292.14
156.88	20.538	292.73
157.08	20.457	293.14
157.28	20.376	293.38
157.48	20.293	293.46
157.68	20.209	293.4
157.88	20.124	293.2
158.	20.073	293.03
158.02	20.065	293.01
158.04	20.056	
158.1	20.031	293.1
158.28	19.953	293.89
158.48	19.865	295.2
158.68	19.777	296.85
158.88	19.688	298.76
159.08	19.598	300.89
159.28	19.507	303.21
159.48	19.415	305.7
159.68	19.322	308.34
159.88	19.228	311.11
160.	19.172	312.82
160.02	19.162	313.1
160.04	19.153	313.37
160.1	19.125	314.12
160.28	19.039	316.08
160.48	18.942	318.01
160.68	18.845	319.75
160.88	18.747	321.36
161.08	18.649	322.85
161.28	18.549	324.25
161.48	18.449	325.55
161.68	18.348	326.79
161.88	18.247	327.95
162.	18.186	328.62
162.02	18.175	328.74
162.04	18.165	328.85
162.1	18.135	329.21
162.28	18.042	330.29
162.48	17.939	331.51

162.68	17.835	332.73
162.88	17.731	333.95
163.08	17.626	335.16
163.28	17.52	336.37
163.48	17.414	337.57
163.68	17.307	338.76
163.88	17.2	339.94
164.	17.136	340.64
164.02	17.125	340.76
164.04	17.114	340.88
164.1	17.082	341.24
164.28	16.984	342.31
164.48	16.876	343.51
164.68	16.767	344.71
164.88	16.657	345.9
165.08	16.547	347.09
165.28	16.436	348.28
165.48	16.325	349.46
165.68	16.214	350.63
165.88	16.102	351.8
166.	16.035	352.49
166.02	16.024	352.61
166.04	16.013	352.72
166.1	15.979	353.05
166.28	15.878	353.99
166.48	15.765	354.99
166.68	15.651	355.95
166.88	15.537	356.87
167.08	15.423	357.76
167.28	15.309	358.63
167.48	15.194	359.47
167.68	15.079	360.29
167.88	14.964	361.09
168.	14.895	361.57
168.02	14.883	361.65
168.04	14.872	361.74
168.1	14.837	362.06
168.28	14.733	363.29
168.48	14.617	364.88
168.68	14.5	366.65
168.88	14.383	368.56
169.08	14.267	370.6
169.28	14.149	372.75
169.48	14.032	375.
169.68	13.914	377.34
169.88	13.796	379.75
170.	13.725	381.23
170.02	13.713	381.47
170.04	13.701	381.69
170.1	13.666	382.28
170.28	13.559	383.6
170.48	13.44	384.68
170.68	13.321	385.47
170.88	13.202	386.01
171.08	13.082	386.35
171.28	12.963	386.51
171.48	12.843	
171.68	12.723	386.37
171.88	12.603	386.09
172.	12.531	385.88

172.02	12.519	385.86
172.04	12.507	385.84
172.1	12.471	385.88
172.28	12.363	386.4
172.48	12.243	387.33
172.68	12.122	388.52
172.88	12.002	389.92
173.08	11.881	391.49
173.28	11.76	393.22
173.48	11.64	395.07
173.68	11.519	397.05
173.88	11.397	399.14
174.	11.325	400.43
174.02	11.312	400.64
174.04	11.3	400.85
174.1	11.264	401.45
174.28	11.155	403.18
174.48	11.033	405.03
174.68	10.911	406.84
174.88	10.789	408.63
175.08	10.667	410.39
175.28	10.545	412.14
175.48	10.423	413.88
175.68	10.3	415.61
175.88	10.178	417.33
176.	10.104	418.36
176.02	10.092	418.53
176.04	10.08	418.68
176.1	10.043	419.08
176.28	9.9324	419.94
176.48	9.8095	420.56
176.68	9.6866	420.94
176.88	9.5637	421.11
177.08	9.4406	421.09
177.28	9.3176	420.92
177.48	9.1946	420.6
177.68	9.0716	420.14
177.88	8.9485	419.57
178.	8.8747	419.18
178.02	8.8624	419.12
178.04	8.8501	419.08
178.1	8.8132	419.
178.28	8.7026	419.1
178.48	8.5796	419.49
178.68	8.4567	420.08
178.88	8.3338	420.84
179.08	8.211	421.72
179.28	8.0881	422.72
179.48	7.9652	423.81
179.68	7.8423	424.99
179.88	7.7194	426.24
180.	7.6457	427.02
180.02	7.6334	427.14
180.04	7.6211	427.26
180.1	7.5843	427.59
180.28	7.4737	428.37
180.48	7.3508	429.08
180.68	7.2279	429.67
180.88	7.1051	430.17
181.08	6.9824	430.6
181.28		

	6.8597	430.96
181.48	6.7371	431.26
181.68	6.6146	431.5
181.88	6.4923	431.7
182.	6.4189	431.81
182.02	6.4067	431.84
182.04	6.3944	431.88
182.1	6.3578	432.08
182.28	6.2479	433.18
182.48	6.1259	434.81
182.68	6.0041	436.76
182.88	5.8823	438.97
183.08	5.7607	441.42
183.28	5.6392	444.06
183.48	5.5177	446.87
183.68	5.3962	449.85
183.88	5.2749	452.97
184.	5.202	454.9
184.02	5.1899	455.2
184.04	5.1778	455.49
184.1	5.1414	456.23
184.28	5.0322	457.8
184.48	4.9109	458.99
184.68	4.7897	459.75
184.88	4.6686	460.18
185.08	4.5476	460.32
185.28	4.4267	460.21
185.48	4.3059	459.89
185.68	4.1853	459.38
185.88	4.0649	458.69
186.	3.9927	458.21
186.02	3.9807	458.13
186.04	3.9687	458.05
186.1	3.9326	457.78
186.28	3.8246	456.87
186.48	3.7048	455.7
186.68	3.5853	454.41
186.88	3.466	452.99
187.08	3.3469	451.46
187.28	3.2281	449.83
187.48	3.1095	448.09
187.68	2.9913	446.26
187.88	2.8733	444.33
188.	2.8026	443.15
188.02	2.7908	442.96
188.04	2.7791	442.78
188.1	2.7438	442.31
188.28	2.6381	441.22
188.48	2.5211	440.29
188.68	2.4044	439.57
188.88	2.288	439.01
189.08	2.1719	438.59
189.28	2.0562	438.28
189.48	1.9408	438.06
189.68	1.8257	437.94
189.88	1.7111	437.88
190.	1.6424	
190.02	1.631	437.89
190.04	1.6195	437.92
190.1	1.5852	438.13

190.28	1.4827	439.44
190.48	1.3691	441.51
190.68	1.2559	444.08
190.88	1.143	447.07
191.08	1.0305	450.43
191.28	0.91829	454.11
191.48	0.80638	458.09
191.68	0.69476	462.34
191.88	0.58342	466.83
192.	0.5167	469.62
192.02	0.50559	470.04
192.04	0.49448	470.43
192.1	0.46117	471.35
192.28	0.36147	472.63
192.48	0.251	472.82
192.68	0.14087	472.07
192.88	3.1129e-002	470.55
193.08	-7.818e-002	468.39
193.28	-0.18701	465.67
193.48	-0.29532	462.46
193.68	-0.40306	458.79
193.88	-0.51019	454.72
194.	-0.57424	452.14
194.02	-0.58491	451.73
194.04	-0.59558	451.33
194.1	-0.62751	450.29
194.28	-0.7228	447.83
194.48	-0.82803	445.62
194.68	-0.93262	443.79
194.88	-1.0366	442.24
195.08	-1.14	440.91
195.28	-1.2428	439.76
195.48	-1.345	438.76
195.68	-1.4467	437.9
195.88	-1.5478	437.15
196.	-1.6083	436.74
196.02	-1.6184	436.67
196.04	-1.6285	436.59
196.1	-1.6586	436.32
196.28	-1.7487	435.32
196.48	-1.8482	434.07
196.68	-1.9472	432.71
196.88	-2.0456	431.26
197.08	-2.1434	429.74
197.28	-2.2406	428.16
197.48	-2.3371	426.52
197.68	-2.4329	424.83
197.88	-2.528	423.09
198.	-2.5848	422.03
198.02	-2.5942	421.85
198.04	-2.6037	421.69
198.1	-2.632	421.22
198.28	-2.7163	419.99
198.48	-2.8091	418.77
198.68	-2.9012	417.66
198.88	-2.9924	416.65
199.08	-3.0829	415.79
199.28	-3.1725	415.07
199.48	-3.2613	414.39
199.68	-3.3492	413.75
199.88		

	-3.4363	413.15
200.	-3.4882	412.8
200.02	-3.4969	412.75
200.04	-3.5055	412.7
200.1	-3.5313	412.55
200.28	-3.6081	412.24
200.48	-3.6926	411.99
200.68	-3.7762	411.82
200.88	-3.8589	411.72
201.08	-3.9408	411.69
201.28	-4.0217	411.71
201.48	-4.1017	411.79
201.68	-4.1809	411.91
201.88	-4.2591	412.08
202.	-4.3058	412.2
202.02	-4.3135	412.21
202.04	-4.3213	
202.1	-4.3445	412.16
202.28	-4.4133	411.64
202.48	-4.4888	410.77
202.68	-4.5635	409.69
202.88	-4.6372	408.44
203.08	-4.7099	407.04
203.28	-4.7817	405.52
203.48	-4.8526	403.89
203.68	-4.9225	402.16
203.88	-4.9914	400.33
204.	-5.0324	399.21
204.02	-5.0392	399.03
204.04	-5.046	398.86
204.1	-5.0663	398.4
204.28	-5.1266	397.33
204.48	-5.1925	396.39
204.68	-5.2575	395.63
204.88	-5.3215	395.
205.08	-5.3846	394.48
205.28	-5.4467	394.06
205.48	-5.5079	393.72
205.68	-5.5682	393.46
205.88	-5.6276	393.27
206.	-5.6629	393.18
206.02	-5.6688	393.17
206.04	-5.6747	393.15
206.1	-5.6922	393.1
206.28	-5.744	392.94
206.48	-5.8008	392.76
206.68	-5.8566	392.6
206.88	-5.9116	392.46
207.08	-5.9657	392.33
207.28	-6.0189	392.23
207.48	-6.0712	392.14
207.68	-6.1227	392.06
207.88	-6.1734	392.01
208.	-6.2034	391.98
208.02	-6.2084	391.96
208.04	-6.2134	391.94
208.1	-6.2283	391.82
208.28	-6.2723	391.1
208.48	-6.3204	390.02
208.68	-6.3675	388.71

208.88	-6.4138	387.24
209.08	-6.4592	385.61
209.28	-6.5037	383.85
209.48	-6.5473	381.96
209.68	-6.59	379.97
209.88	-6.6318	377.88
210.	-6.6565	376.58
210.02	-6.6607	376.38
210.04	-6.6648	376.2
210.1	-6.677	375.75
210.28	-6.713	374.96
210.48	-6.752	374.55
210.68	-6.7902	374.48
210.88	-6.8275	374.69
211.08	-6.864	375.12
211.28	-6.8996	375.74
211.48	-6.9345	376.54
211.68	-6.9686	377.5
211.88	-7.002	378.6
212.	-7.0217	379.31
212.02	-7.025	379.41
212.04	-7.0283	379.49
212.1	-7.038	379.65
212.28	-7.0667	379.51
212.48	-7.0979	378.88
212.68	-7.1283	377.9
212.88	-7.1579	376.65
213.08	-7.1868	375.18
213.28	-7.2149	373.52
213.48	-7.2422	371.69
213.68	-7.2687	369.71
213.88	-7.2943	367.59
214.	-7.3094	366.27
214.02	-7.3119	366.06
214.04	-7.3144	365.85
214.1	-7.3218	365.25
214.28	-7.3434	363.63
214.48	-7.3665	361.93
214.68	-7.3888	360.29
214.88	-7.4102	358.7
215.08	-7.4308	357.13
215.28	-7.4506	355.57
215.48	-7.4695	354.03
215.68	-7.4876	352.49
215.88	-7.5049	350.94
216.	-7.515	350.02
216.02	-7.5167	349.87
216.04	-7.5183	349.73
216.1	-7.5233	349.33
216.28	-7.5374	348.36
216.48	-7.5522	347.45
216.68	-7.5663	346.69
216.88	-7.5796	346.03
217.08	-7.5921	345.46
217.28	-7.6038	344.98
217.48	-7.6147	344.57
217.68	-7.6248	344.22
217.88	-7.6342	343.94
218.	-7.6395	343.8
218.02	-7.6404	343.77
218.04		

	-7.6412	343.73
218.1	-7.6438	343.6
218.28	-7.6508	343.05
218.48	-7.6578	342.3
218.68	-7.664	341.47
218.88	-7.6694	340.56
219.08	-7.6741	339.61
219.28	-7.6779	338.61
219.48	-7.6809	337.57
219.68	-7.6831	336.5
219.88	-7.6845	335.4
220.	-7.685	334.72
220.02	-7.6851	334.61
220.04	-7.6852	334.51
220.1	-7.6853	334.19
220.28	-7.6851	333.33
220.48	-7.684	332.42
220.68	-7.6822	331.56
220.88	-7.6795	330.72
221.08	-7.676	329.9
221.28	-7.6717	329.1
221.48	-7.6666	328.32
221.68	-7.6608	327.55
221.88	-7.6541	326.79
222.	-7.6499	326.34
222.02	-7.6492	326.27
222.04	-7.6485	326.19
222.1	-7.6462	325.98
222.28	-7.6389	325.35
222.48	-7.63	324.69
222.68	-7.6203	324.05
222.88	-7.6099	323.42
223.08	-7.5988	322.81
223.28	-7.5869	322.22
223.48	-7.5743	321.65
223.68	-7.561	321.08
223.88	-7.547	320.53
224.	-7.5383	320.21
224.02	-7.5369	320.15
224.04	-7.5354	320.1
224.1	-7.531	319.93
224.28	-7.5171	319.44
224.48	-7.501	318.89
224.68	-7.4842	318.35
224.88	-7.4667	317.81
225.08	-7.4485	317.28
225.28	-7.4297	316.82
225.48	-7.4102	316.85
225.68	-7.3901	316.89
225.88	-7.3693	316.92
226.	-7.3566	316.94
226.02	-7.3544	
226.04	-7.3523	
226.1	-7.3459	
226.28	-7.326	316.93
226.48	-7.3033	316.9
226.68	-7.28	316.86
226.88	-7.256	316.81
227.08	-7.2314	316.75
227.28	-7.2062	316.68

227.48	-7.1804	316.6
227.68	-7.154	316.51
227.88	-7.127	316.41
228.	-7.1105	316.36
228.02	-7.1078	316.35
228.04	-7.105	316.34
228.1	-7.0967	316.32
228.28	-7.0713	316.26
228.48	-7.0425	316.2
228.68	-7.0131	316.15
228.88	-6.9831	316.1
229.08	-6.9526	316.06
229.28	-6.9214	316.02
229.48	-6.8897	315.98
229.68	-6.8575	315.94
229.88	-6.8247	315.9
230.	-6.8048	315.88
230.02	-6.8015	315.87
230.04	-6.7982	
230.1	-6.7882	315.86
230.28	-6.7577	315.83
230.48	-6.7233	315.81
230.68	-6.6883	315.78
230.88	-6.6529	315.76
231.08	-6.6169	315.73
231.28	-6.5804	315.71
231.48	-6.5434	315.69
231.68	-6.5058	315.67
231.88	-6.4678	315.65
232.	-6.4448	315.64
232.02	-6.441	
232.04	-6.4371	
232.1	-6.4255	315.63
232.28	-6.3904	315.62
232.48	-6.3509	315.6
232.68	-6.3109	315.58
232.88	-6.2704	315.56
233.08	-6.2294	315.54
233.28	-6.1879	315.52
233.48	-6.146	315.51
233.68	-6.1036	315.49
233.88	-6.0607	315.47
234.	-6.0349	315.46
234.02	-6.0305	
234.04	-6.0262	
234.1	-6.0132	315.45
234.28	-5.9738	315.44
234.48	-5.9296	315.42
234.68	-5.885	315.41
234.88	-5.8399	315.4
235.08	-5.7944	315.39
235.28	-5.7484	315.37
235.48	-5.7021	315.36
235.68	-5.6553	315.35
235.88	-5.6082	315.34
236.	-5.5797	315.33
236.02	-5.575	
236.04	-5.5702	
236.1	-5.5559	
236.28	-5.5128	315.31

236.48	-5.4644	315.3
236.68	-5.4157	315.28
236.88	-5.3666	315.26
237.08	-5.3172	315.24
237.28	-5.2673	315.22
237.48	-5.2172	315.2
237.68	-5.1666	315.18
237.88	-5.1158	315.16
238.	-5.0851	315.15
238.02	-5.08	315.14
238.04	-5.0749	
238.1	-5.0595	
238.28	-5.0131	315.12
238.48	-4.9612	315.09
238.68	-4.909	315.07
238.88	-4.8565	315.05
239.08	-4.8036	315.03
239.28	-4.7505	315.01
239.48	-4.6971	314.99
239.68	-4.6433	314.96
239.88	-4.5893	314.94
240.	-4.5568	314.93
240.02	-4.5513	
240.04	-4.5459	
240.1	-4.5296	314.92
240.28	-4.4805	314.91
240.48	-4.4256	314.89
240.68	-4.3704	314.88
240.88	-4.315	314.87
241.08	-4.2594	314.86
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242.	-4.0001	314.83
242.02	-3.9945	
242.04	-3.9888	
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242.88	-3.7476	
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243.28	-3.6314	314.83
243.48	-3.573	
243.68	-3.5144	
243.88	-3.4557	
244.	-3.4203	314.84
244.02	-3.4144	
244.04	-3.4085	314.83
244.1	-3.3908	
244.28	-3.3376	314.78
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244.68	-3.2187	314.63
244.88	-3.159	314.54
245.08	-3.0991	314.43
245.28	-3.0391	314.32
245.48	-2.9788	314.22
245.68	-2.9184	314.13
245.88	-2.8578	314.04

246.	-2.8213	313.99
246.02	-2.8152	313.98
246.04	-2.8092	313.97
246.1	-2.7909	313.95
246.28	-2.736	313.88
246.48	-2.6749	313.83
246.68	-2.6136	313.78
246.88	-2.5521	313.75
247.08	-2.4905	313.76
247.28	-2.4287	313.79
247.48	-2.3668	313.84
247.68	-2.3047	313.89
247.88	-2.2425	313.96
248.	-2.2052	314.
248.02	-2.1989	314.01
248.04	-2.1927	
248.1	-2.174	314.02
248.28	-2.1178	314.05
248.48	-2.0553	314.06
248.68	-1.9926	314.07
248.88	-1.9299	
249.08	-1.867	
249.28	-1.804	314.06
249.48	-1.7409	314.05
249.68	-1.6777	314.04
249.88	-1.6144	314.03
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250.02	-1.57	
250.04	-1.5636	
250.1	-1.5446	314.01
250.28	-1.4874	314.
250.48	-1.4238	313.99
250.68	-1.36	313.98
250.88	-1.2962	313.97
251.08	-1.2322	313.95
251.28	-1.1682	313.94
251.48	-1.1041	313.93
251.68	-1.0399	313.91
251.88	-0.97559	313.9
252.	-0.93699	313.89
252.02	-0.93056	
252.04	-0.92412	
252.1	-0.90482	
252.28	-0.84683	313.88
252.48	-0.78234	313.87
252.68	-0.71778	313.86
252.88	-0.65316	313.85
253.08	-0.58849	
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253.48	-0.45899	
253.68	-0.39417	313.83
253.88	-0.32931	
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254.02	-0.28389	
254.04	-0.2774	
254.1	-0.25793	
254.28	-0.19949	
254.48	-0.13452	313.84
254.68	-6.9521e-002	
254.88	-4.4955e-003	313.85

255.08	6.0554e-002	313.86
255.28	0.12562	313.87
255.48	0.19071	313.88
255.68	0.25581	313.89
255.88	0.32093	313.91
256.	0.36	313.92
256.02	0.36651	
256.04	0.37303	
256.1	0.39256	
256.28	0.45118	
256.48	0.51632	313.93
256.68	0.58146	
256.88	0.6466	313.92
257.08	0.71175	
257.28	0.77689	
257.48	0.84202	313.91
257.68	0.90716	313.9
257.88	0.97228	
258.	1.0114	313.89
258.02	1.0179	
258.04	1.0244	
258.1	1.0439	
258.28	1.1025	313.88
258.48	1.1676	
258.68	1.2327	313.87
258.88	1.2978	313.86
259.08	1.3628	313.85
259.28	1.4278	
259.48	1.4929	313.84
259.68	1.5579	313.83
259.88	1.6228	313.82
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260.02	1.6683	
260.04	1.6748	313.81
260.1	1.6943	313.8
260.28	1.7527	313.75
260.48	1.8176	313.68
260.68	1.8825	313.59
260.88	1.9474	313.5
261.08	2.0122	313.42
261.28	2.0771	313.35
261.48	2.1419	313.28
261.68	2.2067	313.21
261.88	2.2715	313.15
262.	2.3104	313.12
262.02	2.3169	313.11
262.04	2.3234	
262.1	2.3429	313.09
262.28	2.4012	313.04
262.48	2.466	312.99
262.68	2.5309	312.93
262.88	2.5957	312.87
263.08	2.6606	312.82
263.28	2.7254	312.76
263.48	2.7903	312.7
263.68	2.8551	312.65
263.88	2.92	312.59
264.	2.9589	312.56
264.02	2.9654	312.55
264.04	2.9719	

264.1	2.9913	312.53
264.28	3.0497	312.48
264.48	3.1146	312.43
264.68	3.1794	312.37
264.88	3.2443	312.32
265.08	3.3092	312.26
265.28	3.3741	312.21
265.48	3.4391	312.16
265.68	3.504	312.11
265.88	3.569	312.06
266.	3.608	312.03
266.02	3.6145	
266.04	3.621	312.02
266.1	3.6405	312.01
266.28	3.699	311.96
266.48	3.764	311.92
266.68	3.8291	311.87
266.88	3.8941	311.82
267.08	3.9592	311.77
267.28	4.0244	311.72
267.48	4.0895	311.67
267.68	4.1547	311.62
267.88	4.22	311.57
268.	4.2591	311.54
268.02	4.2656	
268.04	4.2722	311.53
268.1	4.2917	311.51
268.28	4.3505	311.47
268.48	4.4158	311.41
268.68	4.4812	311.36
268.88	4.5465	311.31
269.08	4.6119	311.25
269.28	4.6774	311.2
269.48	4.7428	311.15
269.68	4.8083	311.09
269.88	4.8738	311.04
270.	4.9131	311.01
270.02	4.9197	311.
270.04	4.9262	
270.1	4.9459	310.98
270.28	5.0049	310.93
270.48	5.0705	310.88
270.68	5.1361	310.82
270.88	5.2017	310.77
271.08	5.2673	310.71
271.28	5.333	310.66
271.48	5.3986	310.61
271.68	5.4643	310.55
271.88	5.53	310.5
272.	5.5694	310.47
272.02	5.5759	310.46
272.04	5.5825	
272.1	5.6022	310.44
272.28	5.6614	310.4
272.48	5.7271	310.35
272.68	5.7928	310.3
272.88	5.8585	310.25
273.08	5.9242	310.2
273.28	5.9899	310.15
273.48	6.0557	310.1

273.68	6.1214	310.05
273.88	6.1871	310.
274.	6.2265	309.98
274.02	6.2331	309.97
274.04	6.2397	
274.1	6.2594	309.95
274.28	6.3185	309.91
274.48	6.3842	309.87
274.68	6.4499	309.82
274.88	6.5156	309.78
275.08	6.5812	309.73
275.28	6.6469	309.69
275.48	6.7125	309.64
275.68	6.7782	309.6
275.88	6.8438	309.55
276.	6.8831	309.53
276.02	6.8897	309.52
276.04	6.8962	
276.1	6.9159	309.51
276.28	6.9749	309.47
276.48	7.0405	309.42
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276.88	7.1715	309.33
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277.28	7.3024	309.24
277.48	7.3678	309.19
277.68	7.4332	309.14
277.88	7.4986	309.09
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278.28	7.6292	308.99
278.48	7.6945	308.94
278.68	7.7598	308.88
278.88	7.825	308.83
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279.28	7.9553	308.73
279.48	8.0204	308.68
279.68	8.0855	308.62
279.88	8.1505	308.57
280.	8.1895	308.54
280.02	8.196	
280.04	8.2025	308.53
280.1	8.222	308.51
280.28	8.2805	308.47
280.48	8.3454	308.42
280.68	8.4103	308.36
280.88	8.4751	308.31
281.08	8.5399	308.26
281.28	8.6046	308.21
281.48	8.6693	308.15
281.68	8.734	308.1
281.88	8.7986	308.05
282.	8.8374	308.02
282.02	8.8438	308.01
282.04	8.8503	
282.1	8.8697	307.99
282.28	8.9278	307.94
282.48	8.9923	307.89

282.68	9.0567	307.84
282.88	9.1211	307.78
283.08	9.1855	307.73
283.28	9.2498	307.68
283.48	9.314	307.63
283.68	9.3783	307.57
283.88	9.4424	307.52
284.	9.4809	307.49
284.02	9.4873	
284.04	9.4937	307.48
284.1	9.513	307.47
284.28	9.5706	307.42
284.48	9.6347	307.37
284.68	9.6986	307.32
284.88	9.7626	307.27
285.08	9.8264	307.21
285.28	9.8903	307.16
285.48	9.954	307.11
285.68	10.018	307.06
285.88	10.081	307.
286.	10.12	306.97
286.02	10.126	306.96
286.04	10.132	
286.1	10.151	306.94
286.28	10.209	306.89
286.48	10.272	306.84
286.68	10.336	306.78
286.88	10.399	306.73
287.08	10.462	306.68
287.28	10.526	306.62
287.48	10.589	306.57
287.68	10.652	306.52
287.88	10.715	306.46
288.	10.753	306.43
288.02	10.759	
288.04	10.766	306.42
288.1	10.785	306.4
288.28	10.841	306.36
288.48	10.904	306.31
288.68	10.967	306.25
288.88	11.03	306.2
289.08	11.093	306.15
289.28	11.156	306.1
289.48	11.218	306.04
289.68	11.281	305.99
289.88	11.343	305.94
290.	11.381	305.91
290.02	11.387	305.9
290.04	11.393	
290.1	11.412	305.88
290.28	11.468	305.83
290.48	11.531	305.78
290.68	11.593	305.73
290.88	11.655	305.67
291.08	11.717	305.62
291.28	11.779	305.57
291.48	11.841	305.51
291.68	11.903	305.46
291.88	11.965	305.41
292.	12.002	305.37

292.02	12.009	
292.04	12.015	305.36
292.1	12.033	305.35
292.28	12.089	305.3
292.48	12.151	305.25
292.68	12.212	305.19
292.88	12.274	305.14
293.08	12.336	305.09
293.28	12.397	305.03
293.48	12.458	304.98
293.68	12.52	304.92
293.88	12.581	304.87
294.	12.618	304.84
294.02	12.624	304.83
294.04	12.63	
294.1	12.648	304.81
294.28	12.703	304.76
294.48	12.764	304.71
294.68	12.825	304.65
294.88	12.886	304.6
295.08	12.947	304.54
295.28	13.008	304.49
295.48	13.069	304.43
295.68	13.13	304.38
295.88	13.19	304.32
296.	13.226	304.29
296.02	13.233	304.28
296.04	13.239	
296.1	13.257	304.26
296.28	13.311	304.21
296.48	13.372	304.16
296.68	13.432	304.1
296.88	13.492	304.05
297.08	13.552	303.99
297.28	13.613	303.94
297.48	13.673	303.89
297.68	13.733	303.83
297.88	13.793	303.78
298.	13.828	303.75
298.02	13.834	303.74
298.04	13.84	
298.1	13.858	303.72
298.28	13.912	303.68
298.48	13.972	303.62
298.68	14.031	303.57
298.88	14.091	303.52
299.08	14.151	303.47
299.28	14.21	303.42
299.48	14.269	303.37
299.68	14.329	303.32
299.88	14.388	303.27
300.	14.423	303.24
300.02	14.429	303.23
300.04	14.435	
300.1	14.453	303.21
300.28	14.506	303.16
300.48	14.565	303.11
300.68	14.624	303.06
300.88	14.683	303.
301.08	14.741	302.94

301.28	14.8	302.88
301.48	14.859	302.81
301.68	14.917	302.74
301.88	14.976	302.67
302.	15.011	302.62
302.98	15.296	302.2
303.96	15.581	301.78
306.9	16.427	300.51
315.72	18.882	296.95
325.52	19.068	293.26
335.32	18.737	290.04
345.12	18.457	286.94
354.92	18.226	283.97
364.72	18.042	281.12
374.52	17.899	278.4
384.32	17.793	275.8
394.12	17.722	273.33
400.	17.691	271.89
401.	17.686	271.64
402.	17.682	271.4
405.	17.671	270.67
414.	17.66	268.52
424.	17.673	266.18
434.	17.707	263.89
444.	17.759	261.63
454.	17.828	259.4
464.	17.911	257.22
474.	18.007	255.06
484.	18.114	252.95
494.	18.231	250.88
500.	18.303	249.67
501.	18.316	249.47
502.	18.328	249.27
505.	18.366	248.66
514.	18.475	246.89
524.	18.494	244.94
534.	18.543	243.01
544.	18.618	241.11
554.	18.717	239.24
564.	18.837	237.39
574.	18.976	235.57
584.	19.132	233.76
594.	19.303	231.99
600.	19.41	230.93
606.	19.522	229.87
612.	19.639	228.83
630.	20.018	225.78
684.	21.04	217.22
738.	21.769	209.2
798.		200.86
858.		196.63
918.		192.32
978.		187.77
1038.		183.09
1098.		178.37
1158.		173.67
1200.		170.39
1212.		169.49
1224.		168.59
1260.		166.08
1296.		

	22.25	163.86
1404.		157.46
1512.		151.76
1632.		145.73
1752.		139.89
1872.		134.22
1992.		128.7
2112.		123.39
2232.		118.3
2352.		113.43
2400.		111.52
2412.		111.04
2424.		110.57
2460.		109.15
2568.		105.12
2676.		101.28
2796.		97.218
2916.		93.355
3036.	22.195	89.683
3156.	22.123	86.198
3276.	22.06	82.899
3396.	22.004	79.778
3516.	21.954	76.819
3600.	21.923	74.823
3612.	21.918	74.539
3624.	21.913	74.257
3660.	21.899	73.421
3768.	21.867	71.043
3876.	21.836	68.778
3996.	21.807	66.392
4116.	21.781	64.131
4236.	21.758	61.997
4356.	21.738	59.973
4476.	21.721	58.053
4596.	21.707	56.232
4716.	21.694	54.504
4800.	21.687	53.339
4812.	21.685	53.173
4824.	21.684	53.008
4860.	21.68	52.521
4968.	21.673	51.133
5076.	21.667	49.816
5196.	21.661	48.427
5316.	21.657	47.109
5436.	21.654	45.857
5556.	21.651	44.683
5676.	21.65	44.179
5796.	21.649	43.686
5916.	21.65	43.203
6000.		42.871
6012.		42.824
6024.		42.776
6060.		42.635
6168.	21.652	42.222
6276.	21.654	41.817
6396.	21.656	41.376
6516.	21.659	40.946
6636.	21.662	40.526
6756.	21.666	40.115
6876.	21.67	39.73

6996.	21.674	39.356
7116.	21.678	38.99
7200.	21.682	38.738

FIGURE 14
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature 2

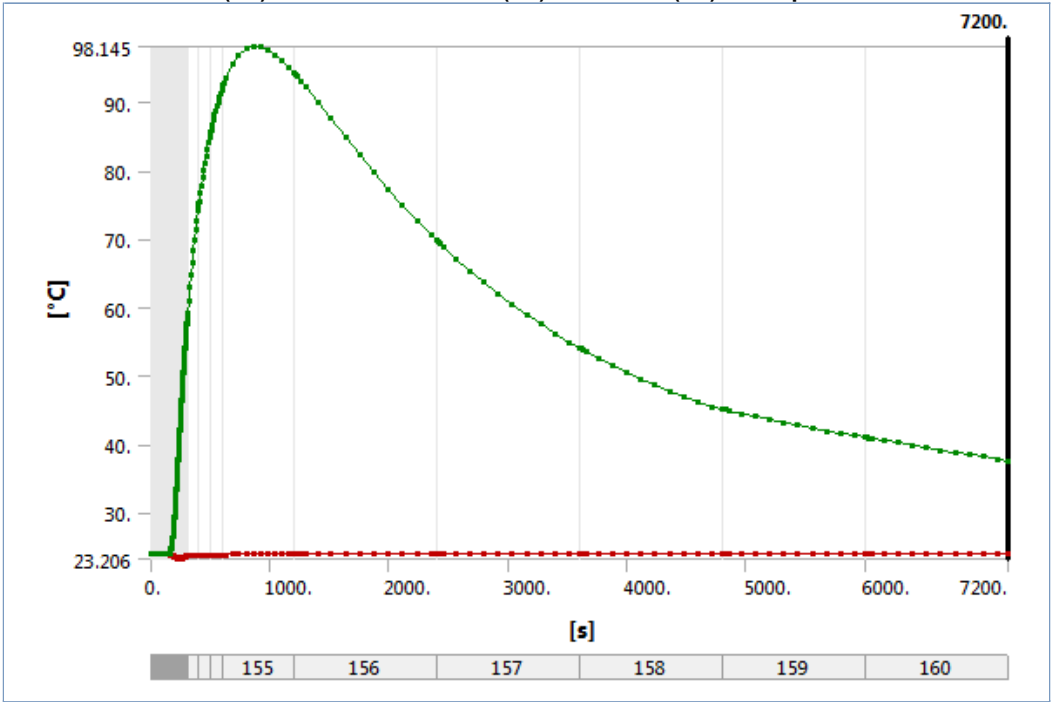

TABLE 25
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature 2

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002		
2.e-002		
5.e-002		
0.14		
0.41		
1.22		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		

5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
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8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		

14.28
14.48
14.68
14.88
15.08
15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68

24.	23.89
24.02	
24.04	
24.1	
24.28	
24.48	
24.68	
24.88	
25.08	
25.28	
25.48	
25.68	
25.88	
26.	
26.02	
26.04	
26.1	
26.28	
26.48	
26.68	
26.88	
27.08	
27.28	
27.48	
27.68	
27.88	
28.	
28.02	
28.04	
28.1	
28.28	
28.48	
28.68	
28.88	
29.08	
29.28	
29.48	
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	
30.68	
30.88	
31.08	
31.28	
31.48	
31.68	
31.88	
32.	
32.02	
32.04	
32.1	
32.28	
32.48	
32.68	
32.88	

33.08	
33.28	
33.48	
33.68	
33.88	
34.	
34.02	
34.04	
34.1	
34.28	
34.48	
34.68	
34.88	
35.08	
35.28	
35.48	
35.68	
35.88	
36.	
36.02	
36.04	
36.1	
36.28	
36.48	
36.68	
36.88	
37.08	
37.28	23.889
37.48	
37.68	
37.88	
38.	
38.02	
38.04	
38.1	
38.28	
38.48	
38.68	
38.88	
39.08	
39.28	
39.48	
39.68	
39.88	
40.	
40.02	
40.04	
40.1	
40.28	
40.48	
40.68	
40.88	
41.08	
41.28	
41.48	
41.68	
41.88	
42.	
42.02	
42.04	

42.1		
42.28		
42.48		
42.68		
42.88		
43.08		
43.28		
43.48		
43.68		
43.88		
44.		
44.02		
44.04		
44.1		
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44.68		
44.88		
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		
46.28		
46.48		
46.68		
46.88	23.888	
47.08		
47.28		
47.48		
47.68		
47.88		
48.		
48.02		
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49.08		
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51.08		
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51.68		

51.88	
52.	
52.02	
52.04	
52.1	
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52.48	
52.68	
52.88	
53.08	
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53.68	
53.88	
54.	
54.02	
54.04	
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55.08	
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55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	
56.28	
56.48	
56.68	
56.88	23.887
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
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60.02	
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61.08	
61.28	
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62.	23.886
62.02	
62.04	
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63.08	
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72.04	
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72.48	
72.68	
72.88	
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74.	
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74.04	
74.1	
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75.88	
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76.02	
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83.08	
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107.08	
107.28	

107.68	
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116.48	

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118.22	
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118.45	
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119.45	
119.65	23.879
119.85	
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120.02	
120.04	
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120.48	
120.68	
120.88	
121.08	
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121.48	
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122.	
122.02	
122.04	
122.1	
122.28	
122.48	
122.68	
122.88	23.88
123.08	
123.28	
123.48	
123.68	
123.88	
124.	
124.02	
124.04	
124.1	
124.28	
124.48	
124.68	
124.88	23.881
125.08	
125.28	
125.48	
125.68	
125.88	
126.	

126.02	23.882
126.04	
126.1	
126.28	
126.48	
126.68	23.883
126.88	
127.08	
127.28	
127.48	23.884
127.68	
127.88	
128.	
128.02	
128.04	
128.1	
128.28	23.885
128.48	
128.68	
128.88	

		23.89
129.08	23.886	23.891
129.28		
129.48		
129.68	23.887	
129.88		
130.		
130.02		
130.04		
130.1		
130.28		
130.48	23.888	
130.68		
130.88		
131.08		
131.28		
131.48	23.889	23.892
131.68		
131.88		
132.		
132.02		
132.04		
132.1		
132.28		
132.48		23.893
132.68		
132.88		
133.08		
133.28	23.888	23.894
133.48		
133.68		
133.88		23.895
134.		
134.02		
134.04		
134.1		
134.28		23.896
134.48		
134.68		23.897
134.88		
135.08		23.898
135.28		
135.48		23.899
135.68		
135.88		
136.		23.9
136.02		
136.04		
136.1		
136.28		
136.48		23.901
136.68		
136.88		23.902
137.08		
137.28		23.903
137.48		
137.68		23.904
137.88		
138.		
138.02		

138.04		
138.1		23.905
138.28		
138.48		23.906
138.68		
138.88		23.907
139.08		
139.28		23.908
139.48		
139.68		23.909
139.88		
140.	23.887	
140.02		23.91
140.04		
140.1		
140.28		23.911
140.48		
140.68		23.912
140.88		
141.08		23.913
141.28		23.914
141.48		
141.68		23.915
141.88		
142.		23.916
142.02		
142.04		
142.1		
142.28		23.917
142.48		23.918
142.68		23.919
142.88		
143.08		23.92
143.28		23.921
143.48	23.886	23.922
143.68		
143.88		23.923
144.		
144.02		23.924
144.04		
144.1		
144.28		23.925
144.48		23.926
144.68		23.927
144.88		23.928
145.08		23.929
145.28		
145.48		23.93
145.68		23.932
145.88		23.933
146.		
146.02	23.885	
146.04		23.934
146.1		
146.28		23.935
146.48		23.936
146.68		23.938
146.88		23.939
147.08		23.94
147.28		23.942

147.48	23.884	23.943
147.68		23.945
147.88		23.947
148.		23.948
148.02		
148.04		
148.1		23.949
148.28		23.951
148.46	23.883	23.953
148.66		23.955
148.86		23.957
149.06		23.96
149.26		23.962
149.46	23.882	23.965
149.66		23.968
149.86		23.97
150.		23.973
150.02		
150.04		
150.1		23.974
150.28	23.881	23.977
150.48		23.98
150.68		23.983
150.88		23.987
151.08	23.88	23.99
151.28		23.994
151.48		23.998
151.68	23.879	24.001
151.88		24.005
152.		24.008
152.02		
152.04		
152.1		24.01
152.28	23.878	24.013
152.48		24.018
152.68		24.022
152.88	23.877	24.026
153.08		24.031
153.28	23.876	24.035
153.48		24.04
153.68		24.045
153.88	23.875	24.05
154.		24.053
154.02		
154.04		24.054
154.1		24.055
154.28	23.874	24.06
154.46		24.064
154.66		24.07
154.86	23.873	24.075
155.06		24.081
155.26	23.872	24.086
155.46		24.092
155.66	23.871	24.098
155.86		24.104
156.	23.87	24.108
156.02		24.109
156.04		24.11
156.1		24.112
156.28		24.117

156.48	23.869	24.124
156.68		24.13
156.88	23.868	24.137
157.08	23.867	24.144
157.28		24.151
157.48	23.866	24.158
157.68		24.165
157.88	23.865	24.172
158.		24.177
158.02		24.178
158.04		
158.1	23.864	24.181
158.28		24.187
158.48	23.863	24.195
158.68		24.203
158.88	23.862	24.211
159.08	23.861	24.219
159.28		24.227
159.48	23.86	24.235
159.68	23.859	24.244
159.88		24.252
160.	23.858	24.257
160.02		24.258
160.04		24.259
160.1		24.262
160.28	23.857	24.27
160.48		24.278
160.68	23.856	24.288
160.88	23.855	24.297
161.08	23.854	24.306
161.28		24.316
161.48	23.853	24.325
161.68	23.852	24.335
161.88	23.851	24.345
162.		24.351
162.02		24.352
162.04		24.353
162.1	23.85	24.356
162.28		24.365
162.48	23.849	24.375
162.68	23.848	24.386
162.88	23.847	24.397
163.08	23.846	24.407
163.28	23.845	24.418
163.48		24.429
163.68	23.844	24.441
163.88	23.843	24.452
164.	23.842	24.459
164.02		24.46
164.04		24.461
164.1		24.465
164.28	23.841	24.475
164.48	23.84	24.487
164.68	23.839	24.499
164.88	23.838	24.511
165.08	23.837	24.523
165.28	23.836	24.536
165.48	23.835	24.548
165.68	23.834	24.561
165.88		24.574

166.	23.833	24.582
166.02		24.583
166.04		24.584
166.1	23.832	24.588
166.28	23.831	24.6
166.48	23.83	24.614
166.68	23.829	24.627
166.88	23.828	24.641
167.08	23.827	24.655
167.28	23.826	24.669
167.48	23.825	24.683
167.68	23.824	24.697
167.88	23.823	24.712
168.	23.822	24.721
168.02		24.722
168.04		24.724
168.1		24.728
168.28	23.821	24.741
168.48	23.82	24.756
168.68	23.818	24.772
168.88	23.817	24.787
169.08	23.816	24.802
169.28	23.815	24.818
169.48	23.814	24.834
169.68	23.813	24.85
169.88	23.811	24.866
170.		24.876
170.02		24.878
170.04	23.81	24.879
170.1		24.884
170.28	23.809	24.899
170.48	23.808	24.916
170.68	23.806	24.933
170.88	23.805	24.95
171.08	23.804	24.968
171.28	23.803	24.985
171.48	23.801	25.003
171.68	23.8	25.021
171.88	23.799	25.039
172.	23.798	25.05
172.02		25.052
172.04		25.054
172.1	23.797	25.06
172.28	23.796	25.076
172.48	23.795	25.095
172.68	23.793	25.114
172.88	23.792	25.133
173.08	23.791	25.152
173.28	23.789	25.172
173.48	23.788	25.191
173.68	23.786	25.211
173.88	23.785	25.231
174.	23.784	25.244
174.02		25.246
174.04		25.248
174.1	23.783	25.254
174.28	23.782	25.272
174.48	23.78	25.293
174.68	23.779	25.314
174.88	23.778	25.335

175.08	23.776	25.356
175.28	23.774	25.378
175.48	23.773	25.4
175.68	23.771	25.422
175.88	23.77	25.444
176.	23.769	25.457
176.02		25.46
176.04		25.462
176.1	23.768	25.469
176.28	23.767	25.489
176.48	23.765	25.512
176.68	23.763	25.535
176.88	23.762	25.559
177.08	23.76	25.582
177.28	23.759	25.606
177.48	23.757	25.63
177.68	23.755	25.655
177.88	23.754	25.679
178.	23.752	25.694
178.02		25.697
178.04		25.699
178.1		25.706
178.28	23.75	25.729
178.48	23.748	25.754
178.68	23.747	25.78
178.88	23.745	25.805
179.08	23.743	25.831
179.28	23.741	25.857
179.48	23.74	25.884
179.68	23.738	25.91
179.88	23.736	25.937
180.	23.735	25.953
180.02		25.956
180.04		25.959
180.1	23.734	25.967
180.28	23.732	25.991
180.48	23.731	26.019
180.68	23.729	26.047
180.88	23.727	26.075
181.08	23.725	26.103
181.28	23.723	26.131
181.48	23.721	26.16
181.68	23.719	26.189
181.88	23.717	26.218
182.	23.716	26.236
182.02		26.239
182.04		26.242
182.1	23.715	26.251
182.28	23.713	26.277
182.48	23.711	26.307
182.68	23.71	26.337
182.88	23.708	26.368
183.08	23.706	26.398
183.28	23.704	26.429
183.48	23.702	26.46
183.68	23.7	26.492
183.88	23.697	26.523
184.	23.696	26.543
184.02		26.546
184.04		26.549

184.1	23.695	26.559
184.28	23.693	26.588
184.48	23.691	26.62
184.68	23.689	26.653
184.88	23.687	26.686
185.08	23.685	26.72
185.28	23.683	26.754
185.48	23.681	26.788
185.68	23.678	26.822
185.88	23.676	26.857
186.	23.675	26.878
186.02		26.881
186.04	23.674	26.885
186.1		26.895
186.28	23.672	26.927
186.48	23.67	26.963
186.68	23.667	26.999
186.88	23.665	27.035
187.08	23.663	27.071
187.28	23.661	27.108
187.48	23.658	27.144
187.68	23.656	27.182
187.88	23.654	27.219
188.	23.652	27.241
188.02		27.245
188.04		27.249
188.1	23.651	27.26
188.28	23.649	27.294
188.48	23.647	27.332
188.68	23.644	27.371
188.88	23.642	27.409
189.08	23.64	27.448
189.28	23.637	27.487
189.48	23.635	27.526
189.68	23.633	27.565
189.88	23.63	27.605
190.	23.629	27.628
190.02		27.632
190.04	23.628	27.636
190.1		27.648
190.28	23.626	27.684
190.48	23.623	27.725
190.68	23.621	27.765
190.88	23.618	27.806
191.08	23.616	27.847
191.28	23.614	27.888
191.48	23.611	27.929
191.68	23.609	27.971
191.88	23.606	28.013
192.	23.605	28.039
192.02		28.043
192.04	23.604	28.047
192.1		28.06
192.28	23.601	28.098
192.48	23.599	28.141
192.68	23.596	28.185
192.88	23.594	28.228
193.08	23.591	28.272
193.28	23.589	28.317
193.48	23.586	28.361

193.68	23.584	28.406
193.88	23.581	28.452
194.	23.58	28.479
194.02	23.579	28.483
194.04		28.488
194.1	23.578	28.502
194.28	23.576	28.543
194.48	23.574	28.589
194.68	23.571	28.635
194.88	23.568	28.682
195.08	23.566	28.728
195.28	23.563	28.775
195.48	23.561	28.822
195.68	23.558	28.869
195.88	23.556	28.917
196.	23.554	28.945
196.02		28.95
196.04	23.553	28.955
196.1		28.969
196.28	23.55	29.012
196.48	23.548	29.06
196.68	23.545	29.109
196.88	23.543	29.157
197.08	23.54	29.206
197.28	23.537	29.255
197.48	23.535	29.304
197.68	23.532	29.353
197.88	23.53	29.402
198.	23.528	29.432
198.02		29.437
198.04		29.442
198.1	23.527	29.457
198.28	23.525	29.502
198.48	23.522	29.551
198.68	23.52	29.601
198.88	23.517	29.652
199.08	23.514	29.702
199.28	23.512	29.753
199.48	23.509	29.803
199.68	23.507	29.854
199.88	23.504	29.905
200.	23.503	29.936
200.02		29.941
200.04	23.502	29.946
200.1		29.961
200.28	23.499	30.008
200.48	23.497	30.059
200.68	23.494	30.111
200.88	23.492	30.163
201.08	23.489	30.215
201.28	23.487	30.267
201.48	23.484	30.319
201.68	23.482	30.371
201.88	23.479	30.424
202.	23.478	30.456
202.02		30.461
202.04		30.466
202.1	23.477	30.482
202.28	23.475	30.53
202.48	23.472	30.583

202.68	23.47	30.636
202.88	23.467	30.69
203.08	23.465	30.743
203.28	23.462	30.797
203.48	23.46	30.851
203.68	23.458	30.905
203.88	23.455	30.959
204.	23.454	30.992
204.02		30.997
204.04	23.453	31.003
204.1		31.019
204.28	23.45	31.068
204.48	23.448	31.123
204.68	23.446	31.178
204.88	23.443	31.232
205.08	23.441	31.287
205.28	23.439	31.343
205.48	23.437	31.398
205.68	23.434	31.453
205.88	23.432	31.509
206.	23.431	31.542
206.02	23.43	31.547
206.04		31.553
206.1	23.429	31.57
206.28	23.427	31.62
206.48	23.425	31.676
206.68	23.423	31.732
206.88	23.421	31.788
207.08	23.419	31.844
207.28	23.416	31.9
207.48	23.414	31.957
207.68	23.412	32.013
207.88	23.41	32.07
208.	23.409	32.104
208.02	23.408	32.11
208.04		32.116
208.1		32.133
208.28	23.406	32.184
208.48	23.403	32.241
208.68	23.401	32.299
208.88	23.399	32.356
209.08	23.397	32.413
209.28	23.395	32.471
209.48	23.393	32.529
209.68	23.391	32.587
209.88	23.389	32.645
210.	23.388	32.68
210.02		32.685
210.04	23.387	32.691
210.1		32.709
210.28	23.385	32.761
210.48	23.383	32.819
210.68	23.381	32.878
210.88	23.379	32.936
211.08	23.377	32.994
211.28	23.375	33.053
211.48	23.373	33.112
211.68	23.372	33.17
211.88	23.37	33.229
212.	23.369	33.265

212.02	23.368	33.27
212.04		33.276
212.1		33.294
212.28	23.366	33.347
212.48	23.364	33.406
212.68	23.362	33.466
212.88	23.361	33.525
213.08	23.359	33.585
213.28	23.357	33.644
213.48	23.355	33.704
213.68	23.354	33.764
213.88	23.352	33.824
214.	23.351	33.86
214.02		33.866
214.04		33.872
214.1	23.35	33.89
214.28	23.348	33.944
214.48	23.346	34.004
214.68	23.344	34.064
214.88	23.342	34.125
215.08	23.34	34.185
215.28	23.338	34.245
215.48	23.336	34.306
215.68	23.334	34.366
215.88	23.332	34.427
216.	23.331	34.463
216.02		34.469
216.04	23.33	34.475
216.1		34.493
216.28	23.328	34.548
216.48	23.326	34.608
216.68	23.324	34.669
216.88	23.322	34.729
217.08	23.32	34.79
217.28	23.318	34.851
217.48	23.316	34.911
217.68	23.315	34.972
217.88	23.313	35.032
218.	23.312	35.069
218.02	23.311	35.075
218.04		35.081
218.1		35.099
218.28	23.309	35.154
218.48	23.307	35.215
218.68	23.305	35.276
218.88	23.304	35.336
219.08	23.302	35.397
219.28	23.3	35.458
219.48	23.298	35.519
219.68	23.297	35.58
219.88	23.295	35.641
220.	23.294	35.677
220.02		35.684
220.04		35.69
220.1	23.293	35.708
220.28	23.292	35.763
220.48	23.29	35.824
220.68	23.288	35.885
220.88	23.287	35.946
221.08	23.285	36.007

221.28	23.283	36.068
221.48	23.282	36.129
221.68	23.28	36.19
221.88	23.279	36.251
222.	23.278	36.288
222.02		36.294
222.04	23.277	36.3
222.1		36.318
222.28	23.276	36.373
222.48	23.274	36.434
222.68	23.273	36.495
222.88	23.271	36.556
223.08	23.27	36.617
223.28	23.268	36.679
223.48	23.267	36.74
223.68	23.265	36.801
223.88	23.264	36.862
224.	23.263	36.898
224.02		36.904
224.04		36.911
224.1		36.929
224.28	23.261	36.984
224.48	23.26	37.045
224.68	23.259	37.106
224.88	23.257	37.167
225.08	23.256	37.228
225.28	23.255	37.289
225.48	23.254	37.35
225.68	23.252	37.411
225.88	23.251	37.472
226.	23.25	37.509
226.02		37.515
226.04		37.521
226.1		37.54
226.28	23.249	37.594
226.48	23.247	37.656
226.68	23.246	37.717
226.88	23.245	37.778
227.08	23.244	37.839
227.28	23.243	37.9
227.48	23.242	37.961
227.68	23.241	38.022
227.88	23.24	38.083
228.	23.239	38.119
228.02		38.125
228.04		38.132
228.1	23.238	38.15
228.28		38.205
228.48	23.237	38.266
228.68	23.236	38.327
228.88	23.235	38.387
229.08	23.234	38.448
229.28	23.233	38.509
229.48	23.232	38.57
229.68	23.231	38.631
229.88	23.23	38.692
230.	23.229	38.728
230.02		38.734
230.04		38.74
230.1		38.758

230.28	23.228	38.813
230.48	23.227	38.874
230.68		38.934
230.88	23.226	38.995
231.08	23.225	39.055
231.28	23.224	39.116
231.48	23.223	39.177
231.68		39.237
231.88	23.222	39.297
232.	23.221	39.334
232.02		39.34
232.04		39.346
232.1		39.364
232.28		39.418
232.48	23.22	39.479
232.68	23.219	39.539
232.88		39.599
233.08	23.218	39.659
233.28	23.217	39.72
233.48		39.78
233.68	23.216	39.84
233.88		39.9
234.	23.215	39.936
234.02		39.942
234.04		39.948
234.1		39.966
234.28		40.02
234.48	23.214	40.08
234.68		40.14
234.88	23.213	40.2
235.08		40.26
235.28	23.212	40.32
235.48		40.38
235.68	23.211	40.44
235.88		40.5
236.		40.536
236.02		40.542
236.04		40.547
236.1		40.565
236.28	23.21	40.619
236.48		40.679
236.68		40.739
236.88	23.209	40.798
237.08		40.858
237.28		40.917
237.48	23.208	40.977
237.68		41.036
237.88		41.096
238.		41.132
238.02		41.138
238.04		41.143
238.1		41.161
238.28		41.215
238.48	23.207	41.274
238.68		41.334
238.88		41.393
239.08		41.452
239.28		41.511
239.48		41.571
239.68		41.63

239.88	23.206	41.689
240.		41.724
240.02		41.73
240.04		41.736
240.1		41.754
240.28		41.807
240.48		41.866
240.68		41.925
240.88		41.984
241.08		42.043
241.28		42.102
241.48		42.161
241.68		42.22
241.88	23.207	42.278
242.		42.314
242.02		42.319
242.04		42.325
242.1		42.343
242.28		42.396
242.48		42.455
242.68		42.513
242.88		42.572
243.08		42.63
243.28		42.689
243.48	23.208	42.747
243.68		42.806
243.88		42.864
244.		42.899
244.02		42.905
244.04		42.911
244.1		42.929
244.28		42.981
244.48	23.209	43.04
244.68		43.098
244.88		43.156
245.08	23.21	43.214
245.28		43.273
245.48		43.331
245.68	23.211	43.389
245.88		43.447
246.		43.482
246.02		43.488
246.04		43.494
246.1		43.511
246.28	23.212	43.563
246.48		43.621
246.68	23.213	43.679
246.88		43.737
247.08		43.795
247.28	23.214	43.853
247.48		43.91
247.68	23.215	43.968
247.88		44.026
248.	23.216	44.06
248.02		44.066
248.04		44.072
248.1		44.089
248.28		44.141
248.48	23.217	44.198
248.68		44.256

248.88	23.218	44.313
249.08	23.219	44.371
249.28		44.428
249.48	23.22	44.485
249.68		44.542
249.88	23.221	44.6
250.		44.634
250.02		44.64
250.04	23.222	44.646
250.1		44.663
250.28		44.714
250.48	23.223	44.771
250.68	23.224	44.829
250.88		44.886
251.08	23.225	44.943
251.28	23.226	45.
251.48	23.227	45.057
251.68		45.114
251.88	23.228	45.171
252.	23.229	45.205
252.02		45.21
252.04		45.216
252.1		45.233
252.28	23.23	45.284
252.48		45.341
252.68	23.231	45.398
252.88	23.232	45.455
253.08	23.233	45.511
253.28	23.234	45.568
253.48	23.235	45.625
253.68		45.681
253.88	23.236	45.738
254.	23.237	45.772
254.02		45.778
254.04		45.783
254.1		45.8
254.28	23.238	45.851
254.48	23.239	45.907
254.68	23.24	45.964
254.88	23.241	46.02
255.08	23.242	46.077
255.28	23.243	46.133
255.48	23.244	46.189
255.68	23.245	46.246
255.88	23.246	46.302
256.		46.336
256.02		46.341
256.04	23.247	46.347
256.1		46.364
256.28	23.248	46.414
256.48	23.249	46.47
256.68	23.25	46.527
256.88	23.251	46.583
257.08	23.252	46.639
257.28	23.253	46.695
257.48	23.254	46.751
257.68	23.255	46.807
257.88	23.256	46.863
258.	23.257	46.896
258.02		46.902

258.04		46.907
258.1	23.258	46.924
258.28	23.259	46.974
258.48	23.26	47.03
258.68	23.261	47.086
258.88	23.262	47.142
259.08	23.263	47.198
259.28	23.264	47.253
259.48	23.266	47.309
259.68	23.267	47.365
259.88	23.268	47.42
260.	23.269	47.454
260.02		47.459
260.04		47.465
260.1		47.482
260.28	23.27	47.532
260.48	23.272	47.587
260.68	23.273	47.643
260.88	23.274	47.698
261.08	23.276	47.753
261.28	23.277	47.809
261.48	23.278	47.864
261.68	23.279	47.919
261.88	23.281	47.975
262.	23.282	48.008
262.02		48.013
262.04		48.019
262.1		48.036
262.28	23.283	48.085
262.48	23.285	48.14
262.68	23.286	48.195
262.88	23.288	48.25
263.08	23.289	48.305
263.28	23.29	48.36
263.48	23.292	48.415
263.68	23.293	48.47
263.88	23.295	48.525
264.	23.296	48.557
264.02		48.563
264.04		48.568
264.1		48.585
264.28	23.298	48.634
264.48	23.299	48.689
264.68	23.301	48.743
264.88	23.302	48.798
265.08	23.304	48.852
265.28	23.305	48.906
265.48	23.307	48.961
265.68	23.308	49.015
265.88	23.31	49.069
266.	23.311	49.102
266.02		49.107
266.04		49.112
266.1		49.129
266.28	23.313	49.177
266.48	23.314	49.231
266.68	23.316	49.285
266.88	23.318	49.339
267.08	23.319	49.393
267.28	23.321	49.447

267.48	23.323	49.501
267.68	23.324	49.555
267.88	23.326	49.608
268.	23.327	49.641
268.02		49.646
268.04		49.651
268.1	23.328	49.667
268.28	23.329	49.716
268.48	23.331	49.769
268.68	23.333	49.823
268.88	23.335	49.876
269.08	23.336	49.929
269.28	23.338	49.983
269.48	23.34	50.036
269.68	23.342	50.089
269.88	23.343	50.142
270.	23.344	50.174
270.02	23.345	50.18
270.04		50.185
270.1		50.201
270.28	23.347	50.249
270.48	23.349	50.302
270.68	23.351	50.354
270.88	23.352	50.407
271.08	23.354	50.46
271.28	23.356	50.513
271.48	23.358	50.566
271.68	23.36	50.618
271.88	23.362	50.671
272.	23.363	50.703
272.02		50.708
272.04		50.713
272.1	23.364	50.729
272.28	23.366	50.776
272.48	23.368	50.829
272.68	23.369	50.881
272.88	23.371	50.933
273.08	23.373	50.986
273.28	23.375	51.038
273.48	23.377	51.09
273.68	23.379	51.142
273.88	23.381	51.194
274.	23.382	51.225
274.02	23.383	51.231
274.04		51.236
274.1		51.251
274.28	23.385	51.298
274.48	23.387	51.35
274.68	23.389	51.402
274.88	23.391	51.454
275.08	23.393	51.506
275.28	23.395	51.557
275.48	23.398	51.609
275.68	23.4	51.661
275.88	23.402	51.712
276.	23.403	51.743
276.02		51.748
276.04		51.754
276.1	23.404	51.769
276.28	23.406	51.815

276.48	23.408	51.867
276.68	23.41	51.918
276.88	23.412	51.97
277.08	23.414	52.021
277.28	23.417	52.072
277.48	23.419	52.123
277.68	23.421	52.174
277.88	23.423	52.225
278.	23.424	52.256
278.02	23.425	52.261
278.04		52.266
278.1		52.282
278.28	23.427	52.328
278.48	23.43	52.378
278.68	23.432	52.429
278.88	23.434	52.48
279.08	23.436	52.531
279.28	23.439	52.582
279.48	23.441	52.632
279.68	23.443	52.683
279.88	23.445	52.733
280.	23.447	52.764
280.02		52.769
280.04		52.774
280.1	23.448	52.789
280.28	23.45	52.834
280.48	23.452	52.885
280.68	23.454	52.935
280.88	23.457	52.986
281.08	23.459	53.036
281.28	23.461	53.086
281.48	23.464	53.136
281.68	23.466	53.186
281.88	23.468	53.236
282.	23.47	53.266
282.02		53.271
282.04		53.276
282.1	23.471	53.291
282.28	23.473	53.336
282.48	23.475	53.386
282.68	23.478	53.436
282.88	23.48	53.486
283.08	23.483	53.536
283.28	23.485	53.585
283.48	23.487	53.635
283.68	23.49	53.685
283.88	23.492	53.734
284.	23.494	53.764
284.02		53.769
284.04		53.774
284.1	23.495	53.789
284.28	23.497	53.833
284.48	23.5	53.883
284.68	23.502	53.932
284.88	23.505	53.982
285.08	23.507	54.031
285.28	23.51	54.08
285.48	23.512	54.129
285.68	23.515	54.179
285.88	23.517	54.228

286.	23.519	54.257
286.02		54.262
286.04		54.267
286.1	23.52	54.282
286.28	23.522	54.326
286.48	23.525	54.375
286.68	23.527	54.424
286.88	23.53	54.473
287.08	23.532	54.521
287.28	23.535	54.57
287.48	23.537	54.619
287.68	23.54	54.668
287.88	23.543	54.716
288.	23.544	54.745
288.02		54.75
288.04	23.545	54.755
288.1		54.77
288.28	23.548	54.813
288.48	23.55	54.862
288.68	23.553	54.91
288.88	23.556	54.959
289.08	23.558	55.007
289.28	23.561	55.056
289.48	23.564	55.104
289.68	23.566	55.152
289.88	23.569	55.2
290.	23.57	55.229
290.02	23.571	55.234
290.04		55.239
290.1	23.572	55.253
290.28	23.574	55.297
290.48	23.577	55.345
290.68	23.58	55.393
290.88	23.582	55.441
291.08	23.585	55.488
291.28	23.588	55.536
291.48	23.59	55.584
291.68	23.593	55.632
291.88	23.596	55.68
292.	23.598	55.708
292.02		55.713
292.04		55.718
292.1	23.599	55.732
292.28	23.601	55.775
292.48	23.604	55.822
292.68	23.607	55.87
292.88	23.61	55.917
293.08	23.612	55.965
293.28	23.615	56.012
293.48	23.618	56.06
293.68	23.621	56.107
293.88	23.624	56.154
294.	23.625	56.183
294.02	23.626	56.187
294.04		56.192
294.1	23.627	56.206
294.28	23.629	56.249
294.48	23.628	56.296
294.68		56.343
294.88	23.627	56.39

295.08		56.437
295.28	23.626	56.484
295.48		56.531
295.68	23.625	56.577
295.88	23.624	56.624
296.		56.652
296.02		56.657
296.04		56.662
296.1		56.676
296.28	23.623	56.718
296.48		56.764
296.68	23.622	56.811
296.88		56.858
297.08	23.621	56.904
297.28		56.951
297.48	23.62	56.997
297.68		57.043
297.88	23.619	57.09
298.		57.117
298.02		57.122
298.04		57.127
298.1		57.141
298.28	23.618	57.182
298.48		57.228
298.68	23.617	57.275
298.88		57.321
299.08		57.367
299.28	23.616	57.413
299.48		57.459
299.68	23.615	57.505
299.88		57.551
300.		57.578
300.02	23.614	57.583
300.04		57.587
300.1		57.601
300.28		57.642
300.48	23.613	57.688
300.68		57.734
300.88		57.779
301.08	23.612	57.825
301.28		57.871
301.48	23.611	57.916
301.68		57.962
301.88		58.007
302.	23.61	58.034
302.98	23.609	58.256
303.96	23.607	58.476
306.9	23.603	59.126
315.72	23.6	60.996
325.52	23.606	62.96
335.32	23.623	64.814
345.12	23.65	66.566
354.92	23.686	68.226
364.72	23.732	69.801
374.52	23.773	71.298
384.32	23.775	72.722
394.12	23.778	74.08
400.	23.78	74.87
401.		75.004
402.		75.137

405.	23.779	75.528
414.	23.778	76.66
424.		77.864
434.		79.016
444.		80.117
454.		81.171
464.	23.779	82.178
474.	23.78	83.14
484.	23.782	84.061
494.	23.784	84.942
500.	23.785	85.455
501.		85.541
502.	23.786	85.625
505.		85.875
514.	23.789	86.594
524.	23.792	87.361
534.	23.795	88.094
544.	23.799	88.796
554.	23.803	89.465
564.	23.807	90.105
574.	23.812	90.716
584.	23.816	91.299
594.	23.821	91.855
600.	23.825	92.178
606.	23.828	92.492
612.	23.831	92.795
630.	23.842	93.641
684.	23.853	95.545
738.	23.86	96.946
798.	23.87	97.832
858.	23.883	98.145
918.	23.885	98.065
978.	23.886	97.659
1038.	23.887	96.99
1098.		96.116
1158.	23.888	95.087
1200.		94.301
1212.	23.889	94.085
1224.		93.864
1260.		93.13
1296.		92.369
1404.		89.999
1512.		87.575
1632.	23.89	84.894
1752.		82.266
1872.		79.721
1992.		77.274
2112.		74.938
2232.		72.711
2352.		70.593
2400.		69.758
2412.		69.554
2424.		69.351
2460.		68.773
2568.		67.035
2676.		65.38
2796.		63.639
2916.		61.989
3036.		60.424
3156.		58.941

3276.	23.891	57.535
3396.		56.2
3516.		54.933
3600.		54.077
3612.		53.956
3624.		53.836
3660.	23.892	53.491
3768.		52.466
3876.		51.488
3996.	23.893	50.454
4116.		49.489
4236.	23.894	48.592
4356.		47.736
4476.	23.895	46.919
4596.	23.896	46.138
4716.	23.897	45.5
4800.		45.151
4812.		45.102
4824.		45.052
4860.	23.898	44.904
4968.	23.899	44.471
5076.	23.9	44.048
5196.	23.901	43.59
5316.	23.902	43.143
5436.	23.903	42.707
5556.	23.904	42.3
5676.	23.906	41.929
5796.	23.907	41.568
5916.	23.909	41.216
6000.	23.91	40.973
6012.		40.939
6024.		40.904
6060.	23.911	40.801
6168.	23.912	40.49
6276.	23.914	40.175
6396.	23.915	39.825
6516.	23.917	39.476
6636.	23.919	39.132
6756.	23.921	38.793
6876.	23.923	38.462
6996.	23.926	38.138
7116.	23.928	37.823
7200.	23.929	37.606

FIGURE 15
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature 3

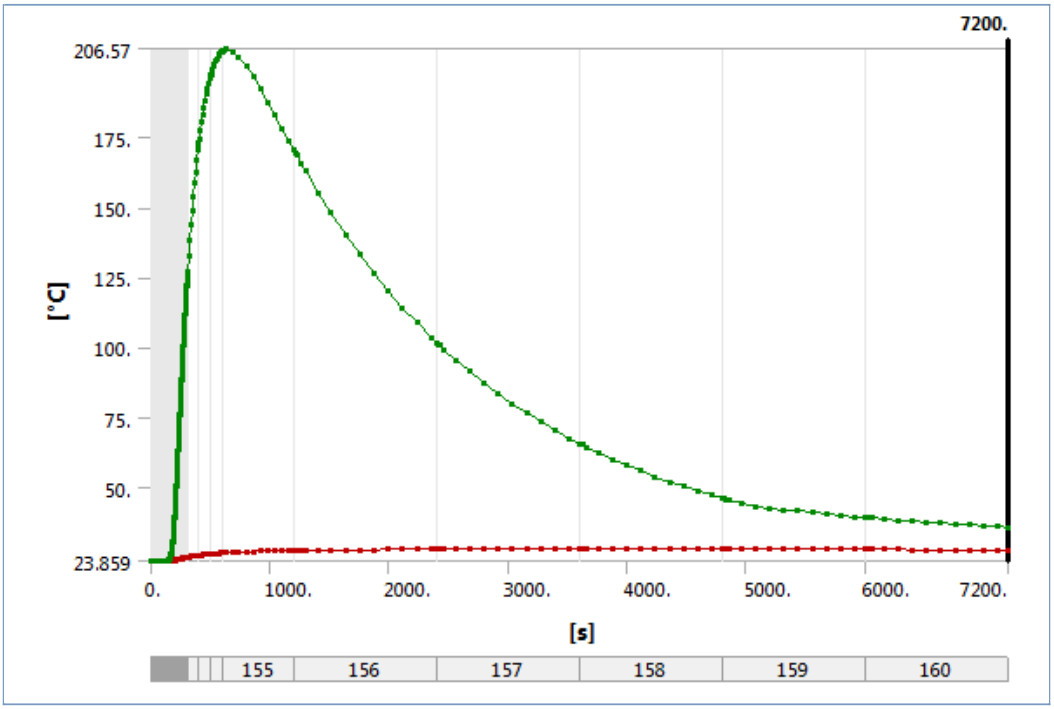

TABLE 26
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature 3

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002		
2.e-002		
5.e-002		
0.14		
0.41		
1.22		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		

6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48	23.89	
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		

15.48	
15.68	
15.88	
16.	
16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	
17.68	
17.88	
18.	
18.02	
18.04	
18.1	
18.28	
18.48	
18.68	
18.88	
19.08	
19.28	
19.48	
19.68	
19.88	
20.	
20.02	
20.04	
20.1	
20.28	
20.48	
20.68	23.889
20.88	
21.08	
21.28	
21.48	
21.68	
21.88	
22.	
22.02	
22.04	
22.1	
22.28	
22.48	
22.68	
22.88	
23.08	
23.28	
23.48	
23.68	
23.88	
24.	
24.02	
24.04	
24.1	
24.28	

24.68	
24.88	
25.08	
25.28	
25.48	
25.68	
25.88	
26.	
26.02	
26.04	
26.1	
26.28	
26.48	
26.68	
26.88	
27.08	
27.28	
27.48	
27.68	
27.88	
28.	
28.02	
28.04	
28.1	
28.28	
28.48	
28.68	
28.88	
29.08	
29.28	
29.48	
29.68	
29.88	
30.	
30.02	
30.04	23.888
30.1	
30.28	
30.48	
30.68	
30.88	
31.08	
31.28	
31.48	
31.68	
31.88	
32.	
32.02	
32.04	
32.1	
32.28	
32.48	
32.68	
32.88	
33.08	
33.28	
33.48	
33.68	
33.88	
34.	

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127.48	23.871
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127.88	23.872
128.	23.873
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128.88	23.876
129.08	23.877
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129.68	23.879

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164.28	23.91	25.554
164.48		25.587
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168.28	23.919	26.307
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169.68	23.923	26.614
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178.68	23.954	29.248
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179.48	23.958	29.543
179.68	23.959	29.618
179.88	23.96	29.694
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182.1	23.971	30.582
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182.48	23.973	30.743
182.68	23.974	30.828
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186.28	23.994	32.502
186.48	23.995	32.603
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186.88	23.998	32.807
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190.04	24.019	34.512
190.1		34.546
190.28	24.02	34.648
190.48	24.022	34.762
190.68	24.023	34.877
190.88	24.024	34.992
191.08	24.026	35.108
191.28	24.027	35.225
191.48	24.029	35.343
191.68	24.03	35.461
191.88	24.032	35.58
192.		35.653
192.02	24.033	35.665
192.04		35.677
192.1		35.713
192.28	24.035	35.822
192.48	24.036	35.944
192.68	24.038	36.068
192.88	24.039	36.192
193.08	24.041	36.317
193.28	24.042	36.443
193.48	24.044	36.57
193.68	24.045	36.698
193.88	24.047	36.826
194.	24.048	36.904
194.02		36.917

194.04		36.93
194.1	24.049	36.969
194.28	24.05	37.085
194.48	24.052	37.216
194.68	24.053	37.347
194.88	24.055	37.479
195.08	24.057	37.611
195.28	24.058	37.744
195.48	24.06	37.877
195.68	24.062	38.011
195.88	24.063	38.145
196.	24.064	38.226
196.02		38.24
196.04		38.254
196.1	24.065	38.294
196.28	24.067	38.416
196.48	24.068	38.552
196.68	24.07	38.689
196.88	24.072	38.826
197.08	24.073	38.964
197.28	24.075	39.103
197.48	24.077	39.241
197.68	24.078	39.381
197.88	24.08	39.521
198.	24.081	39.605
198.02		39.619
198.04	24.082	39.633
198.1		39.675
198.28	24.084	39.802
198.48	24.085	39.944
198.68	24.087	40.085
198.88	24.089	40.228
199.08	24.091	40.37
199.28	24.092	40.514
199.48	24.094	40.657
199.68	24.096	40.801
199.88	24.098	40.946
200.	24.099	41.033
200.02		41.047
200.04		41.062
200.1	24.1	41.106
200.28	24.101	41.237
200.48	24.103	41.382
200.68	24.105	41.529
200.88	24.107	41.676
201.08	24.109	41.823
201.28	24.111	41.971
201.48	24.112	42.119
201.68	24.114	42.268
201.88	24.116	42.417
202.	24.117	42.507
202.02		42.522
202.04	24.118	42.537
202.1		42.582
202.28	24.12	42.717
202.48	24.122	42.868
202.68	24.124	43.02
202.88	24.125	43.171
203.08	24.127	43.324
203.28	24.129	43.476

203.48	24.131	43.629
203.68	24.133	43.783
203.88	24.135	43.937
204.	24.136	44.03
204.02		44.045
204.04	24.137	44.061
204.1		44.107
204.28	24.139	44.247
204.48	24.141	44.402
204.68	24.143	44.557
204.88	24.145	44.713
205.08	24.147	44.869
205.28	24.149	45.026
205.48	24.151	45.183
205.68	24.153	45.34
205.88	24.155	45.497
206.	24.156	45.592
206.02		45.608
206.04		45.624
206.1	24.157	45.672
206.28	24.159	45.814
206.48	24.161	45.973
206.68	24.163	46.132
206.88	24.165	46.291
207.08	24.167	46.451
207.28	24.169	46.612
207.48	24.171	46.772
207.68	24.173	46.933
207.88	24.175	47.095
208.	24.176	47.192
208.02		47.208
208.04		47.225
208.1	24.177	47.273
208.28	24.179	47.42
208.48	24.181	47.582
208.68	24.183	47.745
208.88	24.185	47.909
209.08	24.187	48.073
209.28	24.189	48.237
209.48	24.191	48.402
209.68	24.193	48.567
209.88	24.195	48.732
210.	24.197	48.831
210.02		48.848
210.04		48.864
210.1	24.198	48.914
210.28	24.199	49.063
210.48	24.202	49.229
210.68	24.204	49.395
210.88	24.206	49.562
211.08	24.208	49.728
211.28	24.21	49.895
211.48	24.212	50.062
211.68	24.214	50.23
211.88	24.216	50.398
212.	24.218	50.499
212.02		50.515
212.04		50.532
212.1	24.219	50.583
212.28	24.221	50.735

212.48	24.223	50.903
212.68	24.225	51.073
212.88	24.227	51.242
213.08	24.229	51.412
213.28	24.231	51.583
213.48	24.233	51.753
213.68	24.236	51.924
213.88	24.238	52.096
214.	24.239	52.198
214.02		52.216
214.04	24.24	52.233
214.1		52.284
214.28	24.242	52.439
214.48	24.244	52.611
214.68	24.247	52.783
214.88	24.249	52.955
215.08	24.251	53.127
215.28	24.253	53.3
215.48	24.255	53.472
215.68	24.257	53.645
215.88	24.26	53.818
216.	24.261	53.922
216.02		53.939
216.04		53.956
216.1	24.262	54.008
216.28	24.264	54.164
216.48	24.266	54.337
216.68	24.269	54.51
216.88	24.271	54.683
217.08	24.273	54.857
217.28	24.275	55.03
217.48	24.277	55.204
217.68	24.28	55.377
217.88	24.282	55.551
218.	24.283	55.655
218.02		55.673
218.04	24.284	55.69
218.1		55.742
218.28	24.286	55.899
218.48	24.288	56.073
218.68	24.291	56.247
218.88	24.293	56.421
219.08	24.295	56.596
219.28	24.297	56.77
219.48	24.3	56.945
219.68	24.302	57.12
219.88	24.304	57.294
220.	24.305	57.399
220.02	24.306	57.417
220.04		57.434
220.1	24.307	57.487
220.28	24.309	57.644
220.48	24.311	57.819
220.68	24.313	57.995
220.88	24.315	58.17
221.08	24.318	58.345
221.28	24.32	58.52
221.48	24.322	58.695
221.68	24.324	58.871
221.88	24.327	59.046

222.	24.328	59.151
222.02		59.169
222.04		59.187
222.1	24.329	59.239
222.28	24.331	59.397
222.48	24.333	59.573
222.68	24.336	59.748
222.88	24.338	59.924
223.08	24.34	60.099
223.28	24.342	60.275
223.48	24.345	60.451
223.68	24.347	60.627
223.88	24.349	60.802
224.	24.35	60.908
224.02	24.351	60.925
224.04		60.943
224.1	24.352	60.996
224.28	24.354	61.154
224.48	24.356	61.33
224.68	24.358	61.506
224.88	24.36	61.682
225.08	24.363	61.858
225.28	24.365	62.034
225.48	24.367	62.21
225.68	24.369	62.386
225.88	24.372	62.562
226.	24.373	62.668
226.02		62.686
226.04	24.374	62.703
226.1		62.756
226.28	24.376	62.915
226.48	24.379	63.091
226.68	24.381	63.267
226.88	24.383	63.444
227.08	24.385	63.62
227.28	24.388	63.796
227.48	24.39	63.973
227.68	24.392	64.149
227.88	24.395	64.325
228.	24.396	64.431
228.02		64.449
228.04		64.466
228.1	24.397	64.519
228.28	24.399	64.678
228.48	24.401	64.854
228.68	24.404	65.03
228.88	24.406	65.206
229.08	24.408	65.382
229.28	24.41	65.559
229.48	24.413	65.735
229.68	24.415	65.911
229.88	24.417	66.086
230.	24.419	66.192
230.02		66.21
230.04		66.227
230.1	24.42	66.28
230.28	24.422	66.438
230.48	24.424	66.614
230.68	24.426	66.79
230.88	24.429	66.965

231.08	24.431	67.141
231.28	24.433	67.317
231.48	24.436	67.492
231.68	24.438	67.668
231.88	24.44	67.843
232.	24.441	67.948
232.02	24.442	67.966
232.04		67.983
232.1	24.443	68.036
232.28	24.445	68.194
232.48	24.447	68.369
232.68	24.449	68.544
232.88	24.452	68.719
233.08	24.454	68.895
233.28	24.456	69.07
233.48	24.458	69.245
233.68	24.461	69.419
233.88	24.463	69.594
234.	24.464	69.699
234.02		69.717
234.04	24.465	69.734
234.1		69.787
234.28	24.467	69.944
234.48	24.47	70.119
234.68	24.472	70.293
234.88	24.474	70.468
235.08	24.476	70.643
235.28	24.479	70.817
235.48	24.481	70.991
235.68	24.483	71.166
235.88	24.485	71.34
236.	24.487	71.445
236.02		71.462
236.04		71.48
236.1	24.488	71.532
236.28	24.49	71.689
236.48	24.492	71.863
236.68	24.494	72.037
236.88	24.496	72.211
237.08	24.499	72.385
237.28	24.501	72.559
237.48	24.503	72.733
237.68	24.505	72.907
237.88	24.508	73.08
238.	24.509	73.185
238.02		73.202
238.04		73.219
238.1	24.51	73.271
238.28	24.512	73.428
238.48	24.514	73.601
238.68	24.517	73.775
238.88	24.519	73.948
239.08	24.521	74.122
239.28	24.523	74.295
239.48	24.525	74.468
239.68	24.528	74.641
239.88	24.53	74.814
240.	24.531	74.918
240.02		74.936
240.04	24.532	74.953

240.1		75.005
240.28	24.534	75.161
240.48	24.537	75.333
240.68	24.539	75.506
240.88	24.541	75.679
241.08	24.543	75.852
241.28	24.546	76.024
241.48	24.548	76.197
241.68	24.55	76.369
241.88	24.552	76.542
242.		76.645
242.02	24.554	76.663
242.04		76.68
242.1	24.555	76.732
242.28	24.557	76.887
242.48	24.559	77.059
242.68	24.561	77.231
242.88	24.563	77.403
243.08	24.566	77.575
243.28	24.568	77.747
243.48	24.57	77.919
243.68	24.572	78.091
243.88	24.574	78.263
244.		78.366
244.02	24.576	78.383
244.04		78.4
244.1	24.577	78.452
244.28	24.579	78.606
244.48	24.581	78.778
244.68	24.583	78.949
244.88	24.585	79.121
245.08	24.588	79.292
245.28	24.59	79.464
245.48	24.592	79.635
245.68	24.594	79.806
245.88	24.597	79.977
246.		80.08
246.02	24.598	80.097
246.04		80.114
246.1	24.599	80.165
246.28	24.601	80.319
246.48	24.603	80.49
246.68	24.605	80.66
246.88	24.608	80.831
247.08	24.61	81.001
247.28	24.612	81.171
247.48	24.614	81.342
247.68	24.616	81.512
247.88	24.619	81.682
248.		81.784
248.02	24.62	81.801
248.04		81.818
248.1	24.621	81.869
248.28	24.623	82.021
248.48	24.625	82.191
248.68	24.627	82.361
248.88	24.63	82.53
249.08	24.632	82.7
249.28	24.634	82.869
249.48	24.636	83.039

249.68	24.638	83.208
249.88	24.641	83.377
250.	24.642	83.479
250.02		83.496
250.04		83.513
250.1	24.643	83.564
250.28	24.645	83.716
250.48	24.647	83.885
250.68	24.649	84.054
250.88	24.652	84.223
251.08	24.654	84.391
251.28	24.656	84.56
251.48	24.658	84.729
251.68	24.66	84.897
251.88	24.663	85.066
252.	24.664	85.167
252.02		85.184
252.04		85.201
252.1	24.665	85.251
252.28	24.667	85.403
252.48	24.669	85.571
252.68	24.671	85.739
252.88	24.673	85.907
253.08	24.676	86.075
253.28	24.678	86.243
253.48	24.68	86.411
253.68	24.682	86.579
253.88	24.684	86.747
254.	24.686	86.848
254.02		86.864
254.04		86.881
254.1	24.687	86.931
254.28	24.689	87.082
254.48	24.691	87.25
254.68	24.693	87.417
254.88	24.695	87.585
255.08	24.698	87.752
255.28	24.7	87.919
255.48	24.702	88.086
255.68	24.704	88.253
255.88	24.706	88.42
256.	24.708	88.521
256.02		88.537
256.04		88.554
256.1	24.709	88.604
256.28	24.711	88.754
256.48	24.713	88.921
256.68	24.715	89.088
256.88	24.717	89.255
257.08	24.719	89.421
257.28	24.721	89.588
257.48	24.724	89.754
257.68	24.726	89.921
257.88	24.728	90.087
258.	24.729	90.187
258.02		90.203
258.04	24.73	90.22
258.1		90.27
258.28	24.732	90.42
258.48	24.734	90.586

258.68	24.737	90.752
258.88	24.739	90.918
259.08	24.741	91.084
259.28	24.743	91.249
259.48	24.745	91.415
259.68	24.747	91.581
259.88	24.75	91.747
260.	24.751	91.846
260.02		91.863
260.04		91.879
260.1	24.752	91.929
260.28	24.754	92.078
260.48	24.756	92.243
260.68	24.758	92.408
260.88	24.76	92.574
261.08	24.763	92.739
261.28	24.765	92.904
261.48	24.767	93.069
261.68	24.769	93.234
261.88	24.771	93.398
262.	24.773	93.497
262.02		93.514
262.04		93.53
262.1	24.774	93.579
262.28	24.776	93.727
262.48	24.778	93.892
262.68	24.78	94.056
262.88	24.782	94.22
263.08	24.784	94.384
263.28	24.786	94.548
263.48	24.788	94.711
263.68	24.791	94.875
263.88	24.793	95.038
264.	24.794	95.136
264.02		95.153
264.04		95.169
264.1	24.795	95.218
264.28	24.797	95.365
264.48	24.799	95.528
264.68	24.801	95.69
264.88	24.803	95.853
265.08	24.806	96.016
265.28	24.808	96.178
265.48	24.81	96.34
265.68	24.812	96.502
265.88	24.814	96.664
266.	24.815	96.762
266.02	24.816	96.778
266.04		96.794
266.1		96.842
266.28	24.818	96.988
266.48	24.821	97.15
266.68	24.823	97.311
266.88	24.825	97.472
267.08	24.827	97.634
267.28	24.829	97.795
267.48	24.831	97.956
267.68	24.833	98.117
267.88	24.835	98.277
268.		98.374

268.02	24.837	98.39
268.04		98.406
268.1	24.838	98.454
268.28	24.84	98.598
268.48	24.842	98.758
268.68	24.844	98.919
268.88	24.846	99.079
269.08	24.848	99.238
269.28	24.85	99.398
269.48	24.852	99.558
269.68	24.854	99.717
269.88	24.856	99.876
270.	24.858	99.972
270.02		99.988
270.04		100.
270.1	24.859	100.05
270.28	24.861	100.19
270.48	24.863	100.35
270.68	24.865	100.51
270.88	24.867	100.67
271.08	24.869	100.83
271.28	24.871	100.99
271.48	24.873	101.15
271.68	24.875	101.3
271.88	24.877	101.46
272.	24.879	101.56
272.02		101.57
272.04		101.59
272.1	24.88	101.64
272.28	24.882	101.78
272.48	24.884	101.93
272.68	24.886	102.09
272.88	24.888	102.25
273.08	24.89	102.41
273.28	24.892	102.56
273.48	24.894	102.72
273.68	24.896	102.88
273.88	24.898	103.03
274.	24.899	103.13
274.02	24.9	103.14
274.04		103.16
274.1		103.21
274.28	24.902	103.35
274.48	24.904	103.5
274.68	24.906	103.66
274.88	24.909	103.81
275.08	24.911	103.97
275.28	24.913	104.13
275.48	24.915	104.28
275.68	24.917	104.44
275.88	24.919	104.59
276.	24.92	104.68
276.02		104.7
276.04	24.921	104.72
276.1		104.76
276.28	24.923	104.9
276.48	24.925	105.06
276.68	24.927	105.21
276.88	24.929	105.37
277.08	24.931	105.52

277.28	24.933	105.67
277.48	24.935	105.83
277.68	24.937	105.98
277.88	24.939	106.14
278.	24.941	106.23
278.02		106.24
278.04		106.26
278.1	24.942	106.31
278.28	24.943	106.44
278.48	24.946	106.6
278.68	24.948	106.75
278.88	24.95	106.9
279.08	24.952	107.06
279.28	24.954	107.21
279.48	24.956	107.36
279.68	24.958	107.51
279.88	24.96	107.67
280.	24.961	107.76
280.02		107.77
280.04		107.79
280.1	24.962	107.83
280.28	24.964	107.97
280.48	24.966	108.12
280.68	24.968	108.28
280.88	24.97	108.43
281.08	24.972	108.58
281.28	24.974	108.73
281.48	24.976	108.88
281.68	24.978	109.03
281.88	24.98	109.18
282.	24.981	109.27
282.02		109.29
282.04	24.982	109.3
282.1		109.35
282.28	24.984	109.49
282.48	24.986	109.64
282.68	24.988	109.79
282.88	24.99	109.94
283.08	24.992	110.09
283.28	24.994	110.24
283.48	24.996	110.39
283.68	24.998	110.54
283.88	25.	110.69
284.	25.001	110.78
284.02		110.79
284.04	25.002	110.81
284.1		110.85
284.28	25.004	110.99
284.48	25.006	111.14
284.68	25.008	111.28
284.88	25.01	111.43
285.08	25.012	111.58
285.28	25.014	111.73
285.48	25.016	111.88
285.68	25.018	112.03
285.88	25.02	112.18
286.	25.021	112.26
286.02		112.28
286.04	25.022	112.29
286.1		112.34

286.28	25.024	112.47
286.48	25.026	112.62
286.68	25.028	112.77
286.88	25.03	112.91
287.08	25.032	113.06
287.28	25.034	113.21
287.48	25.036	113.36
287.68	25.038	113.5
287.88	25.04	113.65
288.	25.041	113.74
288.02		113.75
288.04		113.77
288.1	25.042	113.81
288.28	25.044	113.94
288.48	25.046	114.09
288.68	25.048	114.24
288.88	25.05	114.38
289.08	25.052	114.53
289.28	25.054	114.67
289.48	25.055	114.82
289.68	25.057	114.96
289.88	25.059	115.11
290.	25.061	115.2
290.02		115.21
290.04		115.23
290.1	25.062	115.27
290.28	25.063	115.4
290.48	25.065	115.55
290.68	25.067	115.69
290.88	25.069	115.83
291.08	25.071	115.98
291.28	25.073	116.12
291.48	25.075	116.27
291.68	25.077	116.41
291.88	25.079	116.56
292.	25.08	116.64
292.02		116.66
292.04		116.67
292.1	25.081	116.71
292.28	25.083	116.84
292.48	25.085	116.99
292.68	25.087	117.13
292.88	25.089	117.27
293.08	25.09	117.42
293.28	25.092	117.56
293.48	25.094	117.7
293.68	25.096	117.84
293.88	25.098	117.99
294.	25.099	118.07
294.02	25.1	118.09
294.04		118.1
294.1		118.14
294.28	25.102	118.27
294.48	25.104	118.41
294.68	25.106	118.56
294.88	25.108	118.7
295.08	25.11	118.84
295.28	25.112	118.98
295.48	25.114	119.12
295.68	25.115	119.26

295.88	25.117	119.4
296.	25.118	119.49
296.02	25.119	119.5
296.04		119.52
296.1		119.56
296.28	25.121	119.69
296.48	25.123	119.83
296.68	25.125	119.97
296.88	25.127	120.11
297.08	25.129	120.25
297.28	25.131	120.39
297.48	25.133	120.53
297.68	25.134	120.67
297.88	25.136	120.81
298.	25.137	120.89
298.02	25.138	120.9
298.04		120.92
298.1		120.96
298.28	25.14	121.09
298.48	25.142	121.23
298.68	25.144	121.36
298.88	25.146	121.5
299.08	25.148	121.64
299.28	25.15	121.78
299.48	25.151	121.92
299.68	25.153	122.06
299.88	25.155	122.2
300.	25.156	122.28
300.02	25.157	122.29
300.04		122.31
300.1		122.35
300.28	25.159	122.47
300.48	25.161	122.61
300.68	25.163	122.75
300.88	25.165	122.88
301.08	25.166	123.02
301.28	25.168	123.16
301.48	25.17	123.3
301.68	25.172	123.43
301.88	25.174	123.57
302.	25.175	123.65
302.98	25.184	124.32
303.96	25.193	124.98
306.9	25.22	126.94
315.72	25.297	132.54
325.52	25.379	138.4
335.32	25.457	143.9
345.12	25.531	149.06
354.92	25.602	153.9
364.72	25.67	158.43
374.52	25.734	162.67
384.32	25.796	166.63
394.12	25.856	170.33
400.	25.89	172.44
401.	25.896	172.79
402.	25.902	173.14
405.	25.919	174.17
414.	25.969	177.11
424.	26.023	180.16
434.	26.075	182.99

444.	26.125	185.61
454.	26.173	188.02
464.	26.219	190.25
474.	26.263	192.29
484.	26.306	194.16
494.	26.348	195.86
500.	26.372	196.8
501.	26.376	196.96
502.	26.38	197.11
505.	26.392	197.55
514.	26.426	198.8
524.	26.464	200.06
534.	26.5	201.18
544.	26.535	202.19
554.	26.569	203.07
564.	26.602	203.84
574.	26.634	204.5
584.	26.665	205.07
594.	26.695	205.54
600.	26.712	205.77
606.	26.729	205.98
612.	26.746	206.15
630.	26.796	206.57
684.	26.923	205.63
738.	27.032	203.57
798.	27.138	200.32
858.	27.23	196.43
918.	27.31	192.14
978.	27.38	187.61
1038.	27.443	182.95
1098.	27.498	178.24
1158.	27.548	173.55
1200.	27.579	170.29
1212.	27.588	169.39
1224.	27.597	168.49
1260.	27.621	165.73
1296.	27.643	163.01
1404.	27.707	155.24
1512.	27.761	147.89
1632.	27.811	140.24
1752.	27.853	133.08
1872.	27.888	126.39
1992.	27.918	120.12
2112.	27.944	114.27
2232.	27.967	108.79
2352.	27.986	103.66
2400.	27.992	101.66
2412.	27.993	101.17
2424.	27.995	100.68
2460.	28.001	99.298
2568.	28.014	95.181
2676.	28.025	91.298
2796.	28.036	87.256
2916.	28.045	83.462
3036.	28.052	79.9
3156.	28.058	76.553
3276.	28.062	73.406
3396.	28.065	70.446
3516.	28.067	67.66
3600.		65.788
3612.		

	28.068	65.525
3624.		65.265
3660.	28.069	64.516
3768.	28.068	62.301
3876.	28.067	60.201
3996.	28.065	58.003
4116.	28.062	55.93
4236.	28.058	53.975
4356.	28.054	52.129
4476.	28.048	50.386
4596.	28.042	48.74
4716.	28.036	47.185
4800.	28.031	46.138
4812.	28.03	45.991
4824.	28.029	45.844
4860.	28.027	45.422
4968.	28.02	44.178
5076.	28.013	43.319
5196.	28.004	42.717
5316.	27.994	42.139
5436.	27.984	41.584
5556.	27.974	41.06
5676.	27.964	40.566
5796.	27.953	40.091
5916.	27.941	39.636
6000.	27.933	39.325
6012.	27.932	39.28
6024.	27.931	39.237
6060.	27.928	39.108
6168.	27.917	38.743
6276.	27.905	38.394
6396.	27.893	38.022
6516.	27.88	37.665
6636.	27.867	37.321
6756.	27.854	36.989
6876.	27.84	36.67
6996.	27.827	36.368
7116.	27.813	36.078
7200.	27.803	35.881

FIGURE 16
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature 4

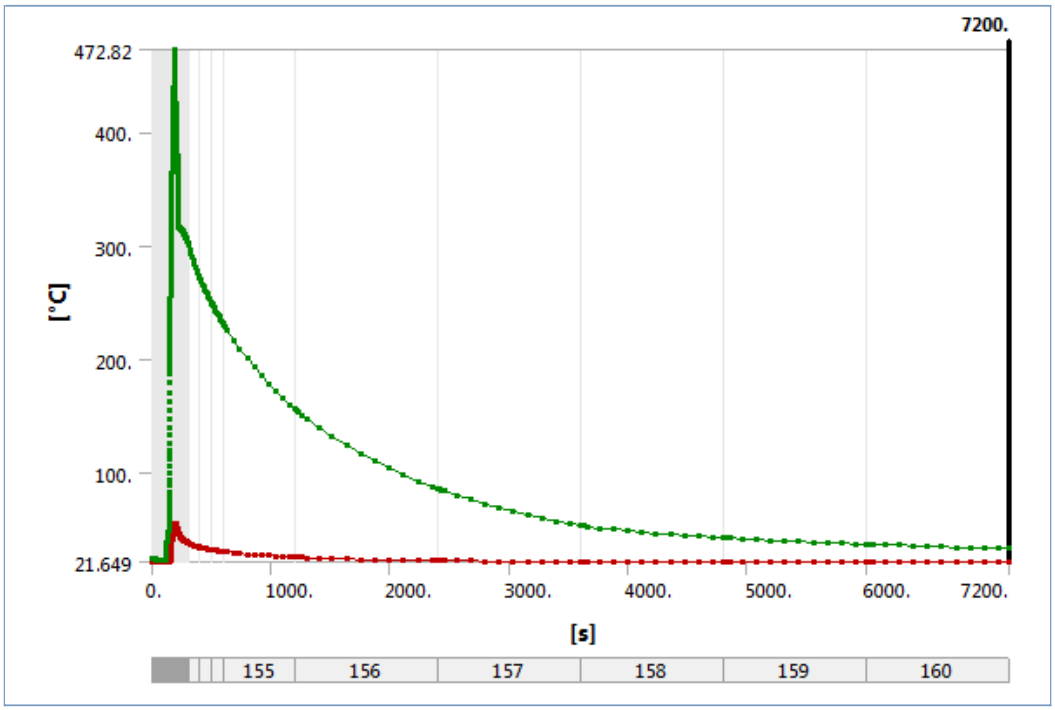


TABLE 27
Model (B4) > Transient Thermal (B5) > Solution (B6) > Temperature 4

Time [s]	Minimum [°C]	Maximum [°C]
1.e-002	23.175	23.994
2.e-002	22.908	23.996
5.e-002	22.685	24.037
0.14	22.535	24.034
0.41	22.457	24.027
1.22	22.42	24.037
2.	22.409	24.036
2.02		
2.04	22.408	
2.1		
2.28	22.406	24.035
2.48	22.404	24.034
2.68	22.403	24.033
2.88	22.402	24.031
3.08		24.03
3.28	22.401	24.028
3.48		24.027
3.68	22.4	24.025
3.88		24.024
4.	22.399	24.023
4.02		
4.04		24.022
4.1		
4.28		24.02
4.48		24.019
4.68	22.398	24.017
4.88		24.016
5.08		24.014
5.28	22.397	24.012
5.48		24.011
5.68		24.009
5.88		24.008
6.		24.007

6.02	22.396	
6.04		24.006
6.1		
6.28		24.004
6.48		24.003
6.68	22.395	24.002
6.88		
7.08		
7.28	22.394	24.001
7.48		
7.68	22.393	24.
7.88		
8.		
8.02		
8.04		
8.1		
8.28	22.392	23.999
8.48		
8.68	22.391	23.998
8.88		
9.08	22.39	23.997
9.28		
9.48		
9.68	22.389	23.996
9.88		
10.	22.388	23.995
10.02		
10.04		
10.1		
10.28		23.994
10.48	22.387	
10.68		23.993
10.88	22.386	
11.08	22.385	23.992
11.28		
11.48	22.384	23.991
11.68		23.99
11.88	22.383	23.989
12.		
12.02		
12.04		
12.1		
12.28	22.382	23.988
12.48		
12.68	22.381	23.987
12.88		23.986
13.08	22.38	
13.28	22.379	23.985
13.48		23.984
13.68	22.378	23.983
13.88		
14.	22.377	23.982
14.02		
14.04		
14.1		
14.28		23.981
14.48	22.376	
14.68		23.98
14.88	22.375	23.979
15.08	22.374	23.978

15.28		
15.48	22.373	23.977
15.68		23.976
15.88	22.372	23.975
16.		
16.02		
16.04		
16.1		
16.28	22.371	23.974
16.48		23.973
16.68	22.37	23.972
16.88		
17.08	22.369	23.971
17.28		23.97
17.48	22.368	23.969
17.68		23.968
17.88	22.367	23.967
18.		
18.02		
18.04		
18.1	22.366	
18.28		23.966
18.48	22.365	23.965
18.68		23.964
18.88		
19.08	22.364	23.963
19.28		23.962
19.48	22.363	23.961
19.68		23.96
19.88	22.362	23.959
20.		
20.02		
20.04		
20.1		
20.28	22.361	23.958
20.48		23.957
20.68	22.36	23.956
20.88		
21.08	22.359	23.955
21.28		23.954
21.48	22.358	
21.68		23.953
21.88		23.952
22.	22.357	
22.02		
22.04		
22.1		23.951
22.28		
22.48	22.356	23.95
22.68		23.949
22.88	22.355	
23.08		23.948
23.28	22.354	23.947
23.48		
23.68		23.946
23.88	22.353	23.945
24.		
24.02		
24.04		23.944
24.1		

24.28		
24.48	22.352	23.943
24.68		23.942
24.88	22.351	23.941
25.08		
25.28		23.94
25.48	22.35	23.939
25.68		23.938
25.88		
26.		
26.02	22.349	23.937
26.04		
26.1		
26.28		23.936
26.48	22.348	23.935
26.68		
26.88		23.934
27.08	22.347	23.933
27.28		23.932
27.48		23.931
27.68	22.346	
27.88		23.93
28.		
28.02		23.929
28.04	22.345	
28.1		
28.28		23.928
28.48		
28.68		23.927
28.88	22.344	23.926
29.08		23.925
29.28		23.924
29.48	22.343	
29.68		23.923
29.88		23.922
30.		
30.02	22.342	23.921
30.04		
30.1		
30.28		23.92
30.48		
30.68	22.341	23.919
30.88		23.918
31.08		23.917
31.28	22.34	23.916
31.48		23.915
31.68		
31.88		23.914
32.		
32.02	22.339	23.913
32.04		
32.1		
32.28		23.912
32.48	22.338	23.911
32.68		23.91
32.88		
33.08	22.337	23.909
33.28		23.908
33.48		23.907
33.68		23.906

33.88	22.336	23.905
34.		
34.02		
34.04		
34.1		
34.28	22.335	23.904
34.48		23.903
34.68		23.902
34.88		23.901
35.08	22.334	23.9
35.28		
35.48		23.899
35.68	22.333	23.898
35.88		23.897
36.		23.896
36.02		
36.04		
36.1		
36.28		23.895
36.48	22.332	23.894
36.68		
36.88		23.893
37.08	22.331	23.892
37.28		23.891
37.48		23.89
37.68		23.889
37.88	22.33	23.888
38.		
38.02		
38.04		
38.1		23.887
38.28		
38.48	22.329	23.886
38.68		23.885
38.88		23.884
39.08		23.883
39.28	22.328	23.882
39.48		23.881
39.68		23.88
39.88	22.327	
40.		23.879
40.02		
40.04		
40.1		
40.28		23.878
40.48		23.877
40.68	22.326	23.876
40.88		23.875
41.08		23.874
41.28	22.325	23.873
41.48		23.872
41.68		
41.88		23.871
42.	22.324	23.87
42.02		
42.04		
42.1		
42.28		23.869
42.48		23.868
42.68		23.867

42.88	22.323	23.866
43.08		23.865
43.28	22.322	23.864
43.48		23.863
43.68		23.862
43.88		23.861
44.	22.321	
44.02		
44.04		
44.1		23.86
44.28		
44.48		23.859
44.68	22.32	23.858
44.88		23.857
45.08		23.856
45.28	22.319	23.855
45.48		23.854
45.68		23.853
45.88	22.318	23.852
46.		23.851
46.02		
46.04		
46.1		
46.28		23.85
46.48	22.317	23.849
46.68		23.848
46.88		23.847
47.08	22.316	23.846
47.28		23.845
47.48		23.844
47.68	22.315	23.843
47.88		23.842
48.		
48.02		
48.04		
48.1		23.841
48.28	22.314	23.84
48.48		23.839
48.68		23.838
48.88	22.313	23.837
49.08		23.836
49.28		23.835
49.48	22.312	23.834
49.68		23.833
49.88		23.832
50.	22.311	
50.02		
50.04		
50.1		23.831
50.28		23.83
50.48		23.829
50.68	22.31	23.828
50.88		23.827
51.08	22.309	23.826
51.28		23.825
51.48		23.824
51.68		23.823
51.88	22.308	23.822
52.		
52.02		

52.04		
52.1		23.821
52.28		
52.48	22.307	23.82
52.68		23.819
52.88		23.818
53.08	22.306	23.817
53.28		23.816
53.48		23.815
53.68	22.305	23.814
53.88		23.812
54.		
54.02		
54.04		
54.1		23.811
54.28	22.304	23.81
54.48		23.809
54.68		23.808
54.88	22.303	23.807
55.08		23.806
55.28		23.805
55.48	22.302	23.804
55.68		23.803
55.88		23.802
56.	22.301	
56.02		23.801
56.04		
56.1		
56.28		23.8
56.48		23.799
56.68	22.3	23.798
56.88		23.797
57.08		23.796
57.28		23.795
57.48		23.794
57.68	22.299	23.793
57.88		23.792
58.		
58.02		
58.04		
58.1		23.791
58.28		
58.48	22.298	23.79
58.68		23.789
58.88		23.788
59.08		23.787
59.28		23.786
59.48		23.785
59.68	22.297	23.784
59.88		23.783
60.		
60.02		
60.04		
60.1		23.782
60.28		
60.48		23.781
60.68		23.78
60.88		23.779
61.08		23.778
61.28		23.777

61.48	22.296	23.776
61.68		23.775
61.88		23.774
62.		
62.02		
62.04		
62.1		23.773
62.28		
62.48	22.295	23.772
62.68		23.771
62.88		23.77
63.08		23.769
63.28		23.768
63.48		23.767
63.68		23.766
63.88	22.294	23.765
64.		
64.02		
64.04		
64.1		23.764
64.28		
64.48		23.763
64.68		23.762
64.88		23.761
65.08	22.293	23.76
65.28		23.759
65.48		23.758
65.68		23.757
65.88		23.756
66.		
66.02		
66.04		
66.1		23.755
66.28		23.754
66.48	22.292	23.753
66.68		
66.88		23.752
67.08		23.751
67.28		23.75
67.48		23.749
67.68		23.748
67.88		
68.		23.747
68.02		
68.04		
68.1		
68.28		23.746
68.48		23.745
68.68		23.744
68.88		
69.08		23.743
69.28		23.742
69.48		23.741
69.68		23.74
69.88		
70.		23.739
70.02		
70.04		
70.1		
70.28		23.738

70.48		23.737
70.68		
70.88		23.736
71.08		23.735
71.28		23.734
71.48		
71.68		23.733
71.88		23.732
72.		
72.02		
72.04		
72.1		
72.28		23.731
72.48		23.73
72.68		
72.88		23.729
73.08		23.728
73.28		23.727
73.48		
73.68		23.726
73.88		23.725
74.	22.291	
74.02		
74.04		
74.1		
74.28		23.724
74.48		23.723
74.68		
74.88		23.722
75.08		23.721
75.28		
75.48		23.72
75.68		23.719
75.88		
76.		23.718
76.02		
76.04		
76.1		
76.28		23.717
76.48		
76.68		23.716
76.88		23.715
77.08		
77.28		23.714
77.48		23.713
77.68		
77.88		23.712
78.		23.711
78.02		
78.04		
78.1		
78.28	22.29	
78.48		23.71
78.68		23.709
78.88		23.708
79.08		
79.28		23.707
79.48		23.706
79.68		
79.88		

80.	22.289	23.705
80.02		
80.04		
80.1		23.704
80.28		
80.48		23.703
80.68		
80.88		23.702
81.08		23.701
81.28		
81.48		23.7
81.68		
81.88		23.699
82.		
82.02		
82.04		
82.1		
82.28		23.698
82.48		
82.68		23.697
82.88		
83.08		23.696
83.28		
83.48		23.695
83.68		
83.88		23.694
84.		
84.02		
84.04		
84.1		
84.28		23.693
84.48		
84.68	22.29	23.692
84.88		
85.08		
85.28		23.691
85.48		
85.68		23.69
85.88		
86.		
86.02		
86.04		
86.1		
86.28		23.689
86.48		
86.68	22.291	23.688
86.88		
87.08		
87.28		
87.48		
87.68	22.292	23.687
87.88		
88.		
88.02		
88.04		
88.1		
88.28		
88.48	22.293	
88.68		
88.88		

89.08	22.294	
89.28		
89.48		
89.68		
89.88	22.295	23.686
90.		
90.02		
90.04		
90.1		
90.28		
90.48	22.296	
90.68		
90.88		
91.08	22.297	
91.28		
91.48		
91.68		
91.88	22.298	
92.		
92.02		
92.04		
92.1		
92.28		
92.48		
92.68	22.299	23.685
92.88		
93.08		
93.28		
93.48		
93.68	22.3	
93.88		
94.		
94.02		
94.04		
94.1		
94.28		
94.48		
94.68		
94.88		
95.08		23.684
95.28		
95.48		
95.68		
95.88		
96.		
96.02		
96.04		
96.1		
96.28		23.683
96.48		
96.68		
96.88		
97.08		
97.28		23.684
97.48		23.69
97.68		23.697
97.88		23.704
98.		23.709
98.02		
98.04		23.71

98.1		23.712
98.28		23.719
98.48		23.725
98.68		23.732
98.88		23.739
99.08	22.301	23.745
99.28		23.751
99.48		23.758
99.68		23.764
99.88	22.302	23.77
100.		23.774
100.02		
100.04		23.775
100.1		23.777
100.28		23.781
100.48	22.303	23.786
100.68		23.79
100.88		23.793
101.08	22.304	23.797
101.28		23.8
101.48		23.804
101.68	22.305	23.807
101.88		23.809
102.		23.811
102.02		
102.04		23.812
102.1		
102.28		23.813
102.48	22.306	23.814
102.68		23.815
102.88		
103.08		
103.28	22.307	23.814
103.48		
103.68		23.813
103.88		23.812
104.		23.811
104.02		
104.04		
104.1		23.81
104.28		23.809
104.48		23.807
104.68		23.805
104.88		23.803
105.08		23.801
105.28		23.799
105.48		23.797
105.68		23.795
105.88		23.792
106.		23.791
106.02		23.79
106.04		
106.1		
106.28		23.788
106.48		23.786
106.68		23.784
106.88		23.783
107.08		23.781
107.28		23.779
107.48		23.778

107.68		23.776
107.88		23.775
108.		23.774
108.02	22.306	
108.04		23.773
108.1		
108.28		23.772
108.48		
108.68		23.771
108.88	22.305	
109.08		
109.28		
109.48		
109.68		23.77
109.88		
110.		
110.02		
110.04		
110.1	22.304	23.771
110.28		
110.48		23.772
110.68		23.773
110.88		23.775
111.08		23.776
111.28		23.778
111.48		23.78
111.68		23.782
111.88		23.784
112.		23.785
112.02		
112.04		
112.1		23.786
112.28		23.785
112.48		23.784
112.68	22.303	23.782
112.88		23.779
113.08		23.776
113.28		23.772
113.48		23.768
113.68		23.764
113.88		23.759
114.		23.756
114.02		
114.04		23.755
114.1		23.754
114.28		23.751
114.48		23.75
114.68	22.302	23.748
114.88		23.746
115.08		23.744
115.28		23.742
115.48		23.74
115.68	22.301	23.738
115.88		23.737
116.		
116.02		23.735
116.04		
116.1		
116.28	22.3	23.733
116.48		23.732

116.68		23.731
116.88	22.299	23.73
117.08		23.729
117.28		23.727
117.48		23.726
117.68	22.298	23.725
117.88		23.724
118.		23.723
118.02		
118.04		23.724
118.1		23.745
118.22		23.891
118.33		24.074
118.45	22.299	24.294
118.65	22.301	24.769
118.85	22.305	25.327
119.05	22.311	25.985
119.25	22.319	26.711
119.45	22.331	27.497
119.65	22.345	28.339
119.85	22.363	29.233
120.	22.378	29.944
120.02	22.38	30.034
120.04	22.382	30.122
120.1	22.389	30.367
120.28	22.411	31.004
120.48	22.438	31.633
120.68	22.467	32.205
120.88	22.498	32.734
121.08	22.53	33.228
121.28	22.563	33.694
121.48	22.597	34.136
121.68	22.632	34.557
121.88	22.665	34.959
122.	22.685	35.195
122.02	22.688	35.234
122.04	22.691	35.273
122.1	22.701	35.39
122.28	22.733	35.732
122.48	22.77	36.103
122.68	22.804	36.466
122.88	22.838	36.822
123.08	22.871	37.17
123.28	22.904	37.513
123.48	22.936	37.85
123.68	22.968	38.182
123.88	23.	38.509
124.	23.009	38.704
124.02	23.008	38.737
124.04	23.007	38.769
124.1	23.004	38.867
124.28	22.994	39.156
124.48	22.984	39.475
124.68	22.975	39.791
124.88	22.967	40.104
125.08	22.959	40.414
125.28	22.952	40.722
125.48	22.945	41.028
125.68	22.939	41.331
125.88	22.934	41.633

126.	22.931	41.813
126.02	22.93	41.842
126.04		41.872
126.1	22.928	41.958
126.28	22.924	42.204
126.48	22.921	42.466
126.68	22.918	42.718
126.88	22.916	42.96
127.08	22.915	43.195
127.28		43.423
127.48		43.644
127.68	22.916	43.858
127.88	22.917	44.066
128.	22.919	44.189
128.02		44.21
128.04		44.23
128.1	22.92	44.289
128.28	22.923	44.46
128.48	22.927	44.641
128.68	22.932	44.816
128.88	22.937	44.983
129.08	22.944	45.146
129.28	22.951	45.302
129.48	22.958	45.454
129.68	22.967	45.6
129.88	22.976	45.742
130.	22.982	45.826
130.02	22.983	45.84
130.04	22.984	45.854
130.1	22.987	45.899
130.28	22.997	46.04
130.48	23.008	46.203
130.68	23.02	46.372
130.88	23.033	46.545
131.08	23.046	46.723
131.28	23.06	46.905
131.48	23.074	47.09
131.68	23.089	47.279
131.88	23.104	47.472
132.	23.113	47.59
132.02	23.115	47.606
132.04	23.116	47.619
132.1	23.121	47.636
132.28	23.136	47.551
132.48	23.153	47.334
132.68	23.171	47.02
132.88	23.191	46.622
133.08	23.212	46.153
133.28	23.234	45.617
133.48	23.258	45.023
133.68	23.284	44.373
133.88	23.312	43.672
134.	23.329	43.233
134.02	23.332	43.164
134.04	23.335	43.097
134.1	23.344	42.916
134.28	23.372	42.486
134.48	23.405	42.098
134.68	23.439	41.773
134.88	23.474	41.496

135.08	23.51	41.258
135.28	23.547	41.05
135.48	23.584	40.867
135.68	23.621	40.706
135.88	23.658	40.562
136.	23.681	40.481
136.02	23.684	40.47
136.04	23.688	40.462
136.1	23.699	40.454
136.28	23.733	40.542
136.48	23.769	40.743
136.68	23.792	41.028
136.88	23.779	41.385
137.08	23.769	41.806
137.28	23.761	42.285
137.48	23.757	42.818
137.68	23.754	43.401
137.88	23.755	44.03
138.	23.757	44.424
138.02		44.49
138.04	23.758	44.557
138.1	23.759	44.764
138.28	23.766	45.429
138.48	23.776	46.217
138.68	23.791	47.049
138.88	23.808	47.922
139.08	23.829	48.834
139.28	23.853	49.783
139.48	23.881	50.768
139.68	23.912	51.786
139.88	23.946	52.836
140.	23.968	53.477
140.02	23.972	53.582
140.04	23.975	53.683
140.1	23.987	53.971
140.28	24.023	54.737
140.48	24.066	55.507
140.68	24.11	56.218
140.88	24.156	56.882
141.08	24.203	57.508
141.28	24.251	58.101
141.48	24.257	58.667
141.68	24.264	59.209
141.88	24.27	59.729
142.	24.274	60.034
142.02	24.275	60.087
142.04	24.276	60.14
142.1	24.278	60.31
142.28	24.285	60.875
142.48	24.293	61.558
142.68	24.301	62.288
142.88	24.309	63.063
143.08	24.318	63.882
143.28	24.326	64.745
143.48	24.335	65.651
143.68	24.343	66.601
143.88	24.352	67.596
144.	24.357	68.21
144.02		68.332
144.04	24.358	68.473

144.1	24.361	69.028
144.28	24.366	71.509
144.48	24.37	75.009
144.68	24.369	79.106
144.88	24.364	83.71
145.08	24.352	88.76
145.28	24.333	94.213
145.48	24.306	100.03
145.68	24.27	106.19
145.88	24.226	112.66
146.	24.196	116.66
146.02	24.191	117.32
146.04	24.186	117.99
146.1	24.169	120.
146.28	24.113	126.17
146.48	24.042	133.2
146.68	23.961	140.42
146.88	23.872	147.83
147.08	23.775	155.41
147.28	23.67	163.18
147.48	23.558	171.12
147.68	23.438	179.23
147.88	23.312	187.51
148.	23.234	192.53
148.02	23.221	193.34
148.04	23.208	194.12
148.1	23.168	196.28
148.28	23.046	201.67
148.46	22.922	206.27
148.66	22.785	210.65
148.86	22.651	214.43
149.06	22.521	217.7
149.26	22.397	220.53
149.46	22.282	222.97
149.66	22.176	225.06
149.86	22.08	226.84
150.	22.019	227.93
150.02	22.01	228.09
150.04	22.002	228.24
150.1	21.977	228.69
150.28	21.913	229.9
150.48	21.855	231.08
150.68	21.809	232.07
150.88	21.776	232.9
151.08	21.757	233.57
151.28	21.75	234.08
151.48	21.756	234.45
151.68	21.775	234.67
151.88	21.806	234.76
152.	21.83	
152.02	21.834	234.78
152.04	21.838	234.81
152.1	21.852	235.03
152.28	21.901	236.31
152.48	21.966	238.3
152.68	22.04	240.69
152.88	22.122	243.43
153.08	22.21	246.45
153.28	22.303	249.71
153.48	22.401	253.2

153.68	22.502	256.87
153.88	22.606	260.73
154.	22.669	263.1
154.02	22.68	263.48
154.04	22.69	263.86
154.1	22.722	264.93
154.28	22.82	267.79
154.46	22.921	270.42
154.66	23.035	273.14
154.86	23.154	275.69
155.06	23.276	278.11
155.26	23.402	280.42
155.46	23.534	282.63
155.66	23.67	284.75
155.86	23.813	286.8
156.	23.915	288.19
156.02	23.929	288.39
156.04	23.944	288.57
156.1	23.989	289.08
156.28	24.128	290.29
156.48	24.289	291.33
156.68	24.458	292.14
156.88	24.634	292.73
157.08	24.818	293.14
157.28	25.009	293.38
157.48	25.209	293.46
157.68	25.418	293.4
157.88	25.635	293.2
158.	25.769	293.03
158.02	25.791	293.01
158.04	25.814	
158.1	25.882	293.1
158.28	26.092	293.89
158.48	26.332	295.2
158.68	26.578	296.85
158.88	26.83	298.76
159.08	27.086	300.89
159.28	27.345	303.21
159.48	27.607	305.7
159.68	27.87	308.34
159.88	28.135	311.11
160.	28.295	312.82
160.02	28.321	313.1
160.04	28.348	313.37
160.1	28.428	314.12
160.28	28.668	316.08
160.48	28.937	318.01
160.68	29.207	319.75
160.88	29.48	321.36
161.08	29.754	322.85
161.28	30.032	324.25
161.48	30.312	325.55
161.68	30.596	326.79
161.88	30.883	327.95
162.	31.057	328.62
162.02	31.086	328.74
162.04	31.115	328.85
162.1	31.202	329.21
162.28	31.467	330.29
162.48	31.766	331.51

162.68	32.068	332.73
162.88	32.374	333.95
163.08	32.683	335.16
163.28	32.996	336.37
163.48	33.312	337.57
163.68	33.632	338.76
163.88	33.954	339.94
164.	34.149	340.64
164.02	34.182	340.76
164.04	34.214	340.88
164.1	34.312	341.24
164.28	34.608	342.31
164.48	34.94	343.51
164.68	35.276	344.71
164.88	35.613	345.9
165.08	35.954	347.09
165.28	36.296	348.28
165.48	36.642	349.46
165.68	36.99	350.63
165.88	37.34	351.8
166.	37.551	352.49
166.02	37.586	352.61
166.04	37.622	352.72
166.1	37.728	353.05
166.28	38.047	353.99
166.48	38.405	354.99
166.68	38.764	355.95
166.88	39.127	356.87
167.08	39.491	357.76
167.28	39.858	358.63
167.48	40.228	359.47
167.68	40.6	360.29
167.88	40.975	361.09
168.	41.2	361.57
168.02	41.238	361.65
168.04	41.276	361.74
168.1	41.389	362.06
168.28	41.73	363.29
168.48	42.111	364.88
168.68	42.493	366.65
168.88	42.876	368.56
169.08	43.26	370.6
169.28	43.644	372.75
169.48	44.027	375.
169.68	44.41	377.34
169.88	44.793	379.75
170.	45.022	381.23
170.02	45.06	381.47
170.04	45.099	381.69
170.1	45.213	382.28
170.28	45.557	383.6
170.48	45.939	384.68
170.68	46.322	385.47
170.88	46.706	386.01
171.08	47.092	386.35
171.28	47.481	386.51
171.48	47.873	
171.68	48.268	386.37
171.88	48.668	386.09
172.	48.765	385.88

172.02	48.775	385.86
172.04	48.784	385.84
172.1	48.81	385.88
172.28	48.887	386.4
172.48	48.967	387.33
172.68	49.044	388.52
172.88	49.119	389.92
173.08	49.192	391.49
173.28	49.266	393.22
173.48	49.341	395.07
173.68	49.418	397.05
173.88	49.499	399.14
174.	49.548	400.43
174.02	49.556	400.64
174.04	49.565	400.85
174.1	49.59	401.45
174.28	49.668	403.18
174.48	49.759	405.03
174.68	49.854	406.84
174.88	49.953	408.63
175.08	50.054	410.39
175.28	50.159	412.14
175.48	50.266	413.88
175.68	50.375	415.61
175.88	50.487	417.33
176.	50.554	418.36
176.02	50.565	418.53
176.04	50.577	418.68
176.1	50.61	419.08
176.28	50.713	419.94
176.48	50.826	420.56
176.68	50.938	420.94
176.88	51.048	421.11
177.08	51.155	421.09
177.28	51.257	420.92
177.48	51.354	420.6
177.68	51.446	420.14
177.88	51.53	419.57
178.	51.579	419.18
178.02	51.587	419.12
178.04	51.595	419.08
178.1	51.618	419.
178.28	51.683	419.1
178.48	51.75	419.49
178.68	51.812	420.08
178.88	51.871	420.84
179.08	51.928	421.72
179.28	51.983	422.72
179.48	52.039	423.81
179.68	52.095	424.99
179.88	52.152	426.24
180.	52.187	427.02
180.02	52.193	427.14
180.04	52.198	427.26
180.1	52.216	427.59
180.28	52.27	428.37
180.48	52.332	429.08
180.68	52.396	429.67
180.88	52.46	430.17
181.08	52.524	430.6
181.28		

	52.588	430.96
181.48	52.652	431.26
181.68	52.714	431.5
181.88	52.774	431.7
182.	52.81	431.81
182.02	52.816	431.84
182.04	52.822	431.88
182.1	52.839	432.08
182.28	52.892	433.18
182.48	52.95	434.81
182.68	53.01	436.76
182.88	53.073	438.97
183.08	53.139	441.42
183.28	53.209	444.06
183.48	53.286	446.87
183.68	53.37	449.85
183.88	53.461	452.97
184.	53.519	454.9
184.02	53.528	455.2
184.04	53.538	455.49
184.1	53.568	456.23
184.28	53.663	457.8
184.48	53.774	458.99
184.68	53.889	459.75
184.88	54.007	460.18
185.08	54.125	460.32
185.28	54.241	460.21
185.48	54.354	459.89
185.68	54.461	459.38
185.88	54.563	458.69
186.	54.621	458.21
186.02	54.631	458.13
186.04	54.641	458.05
186.1	54.669	457.78
186.28	54.747	456.87
186.48	54.824	455.7
186.68	54.893	454.41
186.88	54.953	452.99
187.08	55.003	451.46
187.28	55.043	449.83
187.48	55.074	448.09
187.68	55.095	446.26
187.88	55.106	444.33
188.	55.11	443.15
188.02		442.96
188.04	55.111	442.78
188.1		442.31
188.28	55.105	441.22
188.48	55.092	440.29
188.68	55.073	439.57
188.88	55.048	439.01
189.08	55.02	438.59
189.28	54.989	438.28
189.48	54.957	438.06
189.68	54.924	437.94
189.88	54.892	437.88
190.	54.873	
190.02	54.87	437.89
190.04	54.867	437.92
190.1	54.858	438.13

190.28	54.833	439.44
190.48	54.81	441.51
190.68	54.794	444.08
190.88	54.786	447.07
191.08	54.788	450.43
191.28	54.802	454.11
191.48	54.829	458.09
191.68	54.87	462.34
191.88	54.926	466.83
192.	54.966	469.62
192.02	54.972	470.04
192.04	54.979	470.43
192.1	55.001	471.35
192.28	55.076	472.63
192.48	55.169	472.82
192.68	55.269	472.07
192.88	55.371	470.55
193.08	55.473	468.39
193.28	55.568	465.67
193.48	55.654	462.46
193.68	55.728	458.79
193.88	55.786	454.72
194.	55.814	452.14
194.02	55.819	451.73
194.04	55.823	451.33
194.1	55.835	450.29
194.28	55.858	447.83
194.48	55.867	445.62
194.68	55.86	443.79
194.88	55.839	442.24
195.08	55.807	440.91
195.28	55.766	439.76
195.48	55.717	438.76
195.68	55.663	437.9
195.88	55.605	437.15
196.	55.57	436.74
196.02	55.564	436.67
196.04	55.558	436.59
196.1	55.539	436.32
196.28	55.483	435.32
196.48	55.42	434.07
196.68	55.355	432.71
196.88	55.29	431.26
197.08	55.223	429.74
197.28	55.155	428.16
197.48	55.086	426.52
197.68	55.015	424.83
197.88	54.941	423.09
198.	54.896	422.03
198.02	54.889	421.85
198.04	54.881	421.69
198.1	54.858	421.22
198.28	54.789	419.99
198.48	54.709	418.77
198.68	54.629	417.66
198.88	54.547	416.65
199.08	54.465	415.79
199.28	54.383	415.07
199.48	54.302	414.39
199.68	54.221	413.75
199.88		

	54.142	413.15
200.	54.095	412.8
200.02	54.087	412.75
200.04	54.079	412.7
200.1	54.056	412.55
200.28	53.988	412.24
200.48	53.914	411.99
200.68	53.844	411.82
200.88	53.775	411.72
201.08	53.71	411.69
201.28	53.649	411.71
201.48	53.591	411.79
201.68	53.536	411.91
201.88	53.485	412.08
202.	53.456	412.2
202.02	53.451	412.21
202.04	53.447	
202.1	53.433	412.16
202.28	53.393	411.64
202.48	53.35	410.77
202.68	53.31	409.69
202.88	53.27	408.44
203.08	53.23	407.04
203.28	53.188	405.52
203.48	53.143	403.89
203.68	53.096	402.16
203.88	53.045	400.33
204.	53.012	399.21
204.02	53.007	399.03
204.04	53.001	398.86
204.1	52.985	398.4
204.28	52.931	397.33
204.48	52.869	396.39
204.68	52.803	395.63
204.88	52.735	395.
205.08	52.665	394.48
205.28	52.595	394.06
205.48	52.525	393.72
205.68	52.457	393.46
205.88	52.39	393.27
206.	52.351	393.18
206.02	52.344	393.17
206.04	52.338	393.15
206.1	52.318	393.1
206.28	52.262	392.94
206.48	52.203	392.76
206.68	52.147	392.6
206.88	52.094	392.46
207.08	52.044	392.33
207.28	51.998	392.23
207.48	51.953	392.14
207.68	51.912	392.06
207.88	51.873	392.01
208.	51.851	391.98
208.02	51.847	391.96
208.04	51.844	391.94
208.1	51.833	391.82
208.28	51.801	391.1
208.48	51.767	390.02
208.68	51.733	388.71

208.88	51.699	387.24
209.08	51.662	385.61
209.28	51.623	383.85
209.48	51.58	381.96
209.68	51.532	379.97
209.88	51.48	377.88
210.	51.447	376.58
210.02	51.441	376.38
210.04	51.435	376.2
210.1	51.418	375.75
210.28	51.363	374.96
210.48	51.298	374.55
210.68	51.23	374.48
210.88	51.162	374.69
211.08	51.093	375.12
211.28	51.027	375.74
211.48	50.965	376.54
211.68	50.908	377.5
211.88	50.856	378.6
212.	50.828	379.31
212.02	50.823	379.41
212.04	50.819	379.49
212.1	50.805	379.65
212.28	50.769	379.51
212.48	50.735	378.88
212.68	50.705	377.9
212.88	50.678	376.65
213.08	50.652	375.18
213.28	50.625	373.52
213.48	50.597	371.69
213.68	50.565	369.71
213.88	50.528	367.59
214.	50.505	366.27
214.02	50.501	366.06
214.04	50.497	365.85
214.1	50.484	365.25
214.28	50.441	363.63
214.48	50.388	361.93
214.68	50.329	360.29
214.88	50.264	358.7
215.08	50.195	357.13
215.28	50.12	355.57
215.48	50.042	354.03
215.68	49.96	352.49
215.88	49.875	350.94
216.	49.823	350.02
216.02	49.814	349.87
216.04	49.806	349.73
216.1	49.779	349.33
216.28	49.699	348.36
216.48	49.608	347.45
216.68	49.517	346.69
216.88	49.426	346.03
217.08	49.335	345.46
217.28	49.246	344.98
217.48	49.159	344.57
217.68	49.075	344.22
217.88	48.994	343.94
218.	48.946	343.8
218.02	48.938	343.77
218.04		

	48.93	343.73
218.1	48.907	343.6
218.28	48.839	343.05
218.48	48.767	342.3
218.68	48.697	341.47
218.88	48.63	340.56
219.08	48.564	339.61
219.28	48.5	338.61
219.48	48.437	337.57
219.68	48.373	336.5
219.88	48.31	335.4
220.	48.272	334.72
220.02	48.266	334.61
220.04	48.26	334.51
220.1	48.24	334.19
220.28	48.183	333.33
220.48	48.119	332.42
220.68	48.054	331.56
220.88	47.989	330.72
221.08	47.924	329.9
221.28	47.858	329.1
221.48	47.793	328.32
221.68	47.728	327.55
221.88	47.664	326.79
222.	47.625	326.34
222.02	47.619	326.27
222.04	47.612	326.19
222.1	47.593	325.98
222.28	47.536	325.35
222.48	47.473	324.69
222.68	47.411	324.05
222.88	47.35	323.42
223.08	47.29	322.81
223.28	47.231	322.22
223.48	47.173	321.65
223.68	47.116	321.08
223.88	47.06	320.53
224.	47.027	320.21
224.02	47.021	320.15
224.04	47.016	320.1
224.1	46.999	319.93
224.28	46.951	319.44
224.48	46.898	318.89
224.68	46.847	318.35
224.88	46.796	317.81
225.08	46.747	317.28
225.28	46.698	316.82
225.48	46.65	316.85
225.68	46.604	316.89
225.88	46.558	316.92
226.	46.53	316.94
226.02	46.526	
226.04	46.521	
226.1	46.508	
226.28	46.467	316.93
226.48	46.423	316.9
226.68	46.379	316.86
226.88	46.335	316.81
227.08	46.291	316.75
227.28	46.246	316.68

227.48	46.2	316.6
227.68	46.154	316.51
227.88	46.106	316.41
228.	46.077	316.36
228.02	46.073	316.35
228.04	46.068	316.34
228.1	46.053	316.32
228.28	46.008	316.26
228.48	45.958	316.2
228.68	45.906	316.15
228.88	45.853	316.1
229.08	45.8	316.06
229.28	45.747	316.02
229.48	45.693	315.98
229.68	45.639	315.94
229.88	45.585	315.9
230.	45.553	315.88
230.02	45.547	315.87
230.04	45.542	
230.1	45.526	315.86
230.28	45.478	315.83
230.48	45.425	315.81
230.68	45.372	315.78
230.88	45.32	315.76
231.08	45.269	315.73
231.28	45.218	315.71
231.48	45.169	315.69
231.68	45.119	315.67
231.88	45.071	315.65
232.	45.042	315.64
232.02	45.038	
232.04	45.033	
232.1	45.019	315.63
232.28	44.977	315.62
232.48	44.931	315.6
232.68	44.886	315.58
232.88	44.842	315.56
233.08	44.798	315.54
233.28	44.756	315.52
233.48	44.714	315.51
233.68	44.672	315.49
233.88	44.632	315.47
234.	44.608	315.46
234.02	44.604	
234.04	44.6	
234.1	44.588	315.45
234.28	44.553	315.44
234.48	44.515	315.42
234.68	44.477	315.41
234.88	44.44	315.4
235.08	44.404	315.39
235.28	44.368	315.37
235.48	44.333	315.36
235.68	44.298	315.35
235.88	44.264	315.34
236.	44.244	315.33
236.02	44.241	
236.04	44.237	
236.1	44.227	
236.28	44.198	315.31

236.48	44.166	315.3
236.68	44.134	315.28
236.88	44.103	315.26
237.08	44.072	315.24
237.28	44.042	315.22
237.48	44.012	315.2
237.68	43.982	315.18
237.88	43.953	315.16
238.	43.935	315.15
238.02	43.932	315.14
238.04	43.929	
238.1	43.921	
238.28	43.895	315.12
238.48	43.866	315.09
238.68	43.838	315.07
238.88	43.81	315.05
239.08	43.782	315.03
239.28	43.754	315.01
239.48	43.726	314.99
239.68	43.699	314.96
239.88	43.672	314.94
240.	43.656	314.93
240.02	43.653	
240.04	43.65	
240.1	43.642	314.92
240.28	43.618	314.91
240.48	43.592	314.89
240.68	43.565	314.88
240.88	43.539	314.87
241.08	43.514	314.86
241.28	43.488	314.85
241.48	43.463	
241.68	43.439	314.84
241.88	43.414	
242.	43.4	314.83
242.02	43.398	
242.04	43.395	
242.1	43.388	
242.28	43.367	
242.48	43.344	
242.68	43.322	314.82
242.88	43.3	
243.08	43.278	
243.28	43.257	314.83
243.48	43.236	
243.68	43.216	
243.88	43.196	
244.	43.184	314.84
244.02	43.182	
244.04	43.18	314.83
244.1	43.174	
244.28	43.157	314.78
244.48	43.137	314.71
244.68	43.118	314.63
244.88	43.098	314.54
245.08	43.077	314.43
245.28	43.056	314.32
245.48	43.033	314.22
245.68	43.009	314.13
245.88	42.983	314.04

246.	42.967	313.99
246.02	42.965	313.98
246.04	42.962	313.97
246.1	42.954	313.95
246.28	42.928	313.88
246.48	42.898	313.83
246.68	42.868	313.78
246.88	42.837	313.75
247.08	42.806	313.76
247.28	42.776	313.79
247.48	42.746	313.84
247.68	42.717	313.89
247.88	42.69	313.96
248.	42.675	314.
248.02	42.672	314.01
248.04	42.67	
248.1	42.662	314.02
248.28	42.641	314.05
248.48	42.619	314.06
248.68	42.599	314.07
248.88	42.58	
249.08	42.562	
249.28	42.546	314.06
249.48	42.53	314.05
249.68	42.516	314.04
249.88	42.501	314.03
250.	42.493	314.02
250.02	42.491	
250.04	42.49	
250.1	42.486	314.01
250.28	42.473	314.
250.48	42.46	313.99
250.68	42.446	313.98
250.88	42.433	313.97
251.08	42.419	313.95
251.28	42.406	313.94
251.48	42.392	313.93
251.68	42.379	313.91
251.88	42.365	313.9
252.	42.357	313.89
252.02	42.356	
252.04	42.355	
252.1	42.351	
252.28	42.338	313.88
252.48	42.325	313.87
252.68	42.311	313.86
252.88	42.298	313.85
253.08	42.284	
253.28	42.271	313.84
253.48	42.258	
253.68	42.244	313.83
253.88	42.231	
254.	42.224	
254.02	42.222	
254.04	42.221	
254.1	42.217	
254.28	42.206	
254.48	42.193	313.84
254.68	42.18	
254.88	42.168	313.85

255.08	42.156	313.86
255.28	42.144	313.87
255.48	42.133	313.88
255.68	42.122	313.89
255.88	42.111	313.91
256.	42.104	313.92
256.02	42.103	
256.04	42.102	
256.1	42.099	
256.28	42.09	
256.48	42.08	313.93
256.68	42.07	
256.88	42.06	313.92
257.08	42.051	
257.28	42.041	
257.48	42.032	313.91
257.68	42.022	313.9
257.88	42.013	
258.	42.007	313.89
258.02	42.006	
258.04	42.005	
258.1	42.002	
258.28	41.993	313.88
258.48	41.983	
258.68	41.973	313.87
258.88	41.963	313.86
259.08	41.952	313.85
259.28	41.942	
259.48	41.931	313.84
259.68	41.92	313.83
259.88	41.91	313.82
260.	41.903	
260.02	41.902	
260.04	41.901	313.81
260.1	41.897	313.8
260.28	41.887	313.75
260.48	41.875	313.68
260.68	41.863	313.59
260.88	41.849	313.5
261.08	41.835	313.42
261.28	41.82	313.35
261.48	41.802	313.28
261.68	41.784	313.21
261.88	41.764	313.15
262.	41.751	313.12
262.02	41.749	313.11
262.04	41.746	
262.1	41.74	313.09
262.28	41.718	313.04
262.48	41.693	312.99
262.68	41.666	312.93
262.88	41.638	312.87
263.08	41.609	312.82
263.28	41.58	312.76
263.48	41.55	312.7
263.68	41.519	312.65
263.88	41.489	312.59
264.	41.47	312.56
264.02	41.467	312.55
264.04	41.464	

264.1	41.455	312.53
264.28	41.428	312.48
264.48	41.398	312.43
264.68	41.369	312.37
264.88	41.339	312.32
265.08	41.311	312.26
265.28	41.283	312.21
265.48	41.256	312.16
265.68	41.229	312.11
265.88	41.203	312.06
266.	41.187	312.03
266.02	41.185	
266.04	41.182	312.02
266.1	41.175	312.01
266.28	41.152	311.96
266.48	41.128	311.92
266.68	41.104	311.87
266.88	41.081	311.82
267.08	41.058	311.77
267.28	41.035	311.72
267.48	41.013	311.67
267.68	40.99	311.62
267.88	40.968	311.57
268.	40.955	311.54
268.02	40.953	
268.04	40.951	311.53
268.1	40.944	311.51
268.28	40.924	311.47
268.48	40.902	311.41
268.68	40.881	311.36
268.88	40.859	311.31
269.08	40.837	311.25
269.28	40.815	311.2
269.48	40.794	311.15
269.68	40.772	311.09
269.88	40.751	311.04
270.	40.738	311.01
270.02	40.736	311.
270.04	40.734	
270.1	40.728	310.98
270.28	40.709	310.93
270.48	40.688	310.88
270.68	40.667	310.82
270.88	40.647	310.77
271.08	40.627	310.71
271.28	40.607	310.66
271.48	40.587	310.61
271.68	40.567	310.55
271.88	40.548	310.5
272.	40.537	310.47
272.02	40.535	310.46
272.04	40.533	
272.1	40.527	310.44
272.28	40.511	310.4
272.48	40.492	310.35
272.68	40.474	310.3
272.88	40.457	310.25
273.08	40.439	310.2
273.28	40.422	310.15
273.48	40.406	310.1

273.68	40.39	310.05
273.88	40.374	310.
274.	40.364	309.98
274.02	40.363	309.97
274.04	40.361	
274.1	40.357	309.95
274.28	40.343	309.91
274.48	40.328	309.87
274.68	40.314	309.82
274.88	40.299	309.78
275.08	40.285	309.73
275.28	40.271	309.69
275.48	40.258	309.64
275.68	40.244	309.6
275.88	40.231	309.55
276.	40.223	309.53
276.02	40.222	309.52
276.04	40.22	
276.1	40.216	309.51
276.28	40.204	309.47
276.48	40.191	309.42
276.68	40.178	309.38
276.88	40.165	309.33
277.08	40.152	309.28
277.28	40.138	309.24
277.48	40.125	309.19
277.68	40.111	309.14
277.88	40.097	309.09
278.	40.089	309.06
278.02	40.087	309.05
278.04	40.086	
278.1	40.082	309.03
278.28	40.069	308.99
278.48	40.054	308.94
278.68	40.04	308.88
278.88	40.025	308.83
279.08	40.01	308.78
279.28	39.995	308.73
279.48	39.98	308.68
279.68	39.965	308.62
279.88	39.95	308.57
280.	39.941	308.54
280.02	39.94	
280.04	39.938	308.53
280.1	39.934	308.51
280.28	39.92	308.47
280.48	39.905	308.42
280.68	39.891	308.36
280.88	39.876	308.31
281.08	39.861	308.26
281.28	39.847	308.21
281.48	39.832	308.15
281.68	39.818	308.1
281.88	39.803	308.05
282.	39.794	308.02
282.02	39.793	308.01
282.04	39.792	
282.1	39.787	307.99
282.28	39.774	307.94
282.48	39.76	307.89

282.68	39.746	307.84
282.88	39.732	307.78
283.08	39.718	307.73
283.28	39.704	307.68
283.48	39.69	307.63
283.68	39.676	307.57
283.88	39.662	307.52
284.	39.654	307.49
284.02	39.653	
284.04	39.652	307.48
284.1	39.648	307.47
284.28	39.636	307.42
284.48	39.622	307.37
284.68	39.609	307.32
284.88	39.596	307.27
285.08	39.583	307.21
285.28	39.57	307.16
285.48	39.557	307.11
285.68	39.544	307.06
285.88	39.531	307.
286.	39.523	306.97
286.02	39.522	306.96
286.04	39.52	
286.1	39.516	306.94
286.28	39.504	306.89
286.48	39.491	306.84
286.68	39.478	306.78
286.88	39.465	306.73
287.08	39.451	306.68
287.28	39.438	306.62
287.48	39.425	306.57
287.68	39.412	306.52
287.88	39.399	306.46
288.	39.391	306.43
288.02	39.39	
288.04	39.388	306.42
288.1	39.385	306.4
288.28	39.373	306.36
288.48	39.361	306.31
288.68	39.348	306.25
288.88	39.336	306.2
289.08	39.324	306.15
289.28	39.311	306.1
289.48	39.299	306.04
289.68	39.287	305.99
289.88	39.275	305.94
290.	39.268	305.91
290.02	39.267	305.9
290.04	39.266	
290.1	39.262	305.88
290.28	39.251	305.83
290.48	39.239	305.78
290.68	39.227	305.73
290.88	39.215	305.67
291.08	39.203	305.62
291.28	39.191	305.57
291.48	39.179	305.51
291.68	39.167	305.46
291.88	39.155	305.41
292.	39.148	305.37

292.02	39.147	
292.04	39.146	305.36
292.1	39.142	305.35
292.28	39.131	305.3
292.48	39.12	305.25
292.68	39.108	305.19
292.88	39.096	305.14
293.08	39.084	305.09
293.28	39.072	305.03
293.48	39.06	304.98
293.68	39.048	304.92
293.88	39.037	304.87
294.	39.03	304.84
294.02	39.028	304.83
294.04	39.027	
294.1	39.024	304.81
294.28	39.013	304.76
294.48	39.001	304.71
294.68	38.989	304.65
294.88	38.978	304.6
295.08	38.966	304.54
295.28	38.954	304.49
295.48	38.942	304.43
295.68	38.931	304.38
295.88	38.919	304.32
296.	38.912	304.29
296.02	38.911	304.28
296.04	38.91	
296.1	38.906	304.26
296.28	38.896	304.21
296.48	38.884	304.16
296.68	38.873	304.1
296.88	38.861	304.05
297.08	38.85	303.99
297.28	38.839	303.94
297.48	38.828	303.89
297.68	38.817	303.83
297.88	38.806	303.78
298.	38.8	303.75
298.02	38.799	303.74
298.04	38.798	
298.1	38.794	303.72
298.28	38.785	303.68
298.48	38.775	303.62
298.68	38.764	303.57
298.88	38.754	303.52
299.08	38.744	303.47
299.28	38.734	303.42
299.48	38.725	303.37
299.68	38.715	303.32
299.88	38.705	303.27
300.	38.7	303.24
300.02	38.699	303.23
300.04	38.698	
300.1	38.695	303.21
300.28	38.686	303.16
300.48	38.676	303.11
300.68	38.666	303.06
300.88	38.656	303.
301.08	38.644	302.94

301.28	38.632	302.88
301.48	38.619	302.81
301.68	38.605	302.74
301.88	38.59	302.67
302.	38.58	302.62
302.98	38.483	302.2
303.96	38.378	301.78
306.9	38.087	300.51
315.72	37.464	296.95
325.52	36.943	293.26
335.32	36.515	290.04
345.12	36.144	286.94
354.92	35.811	283.97
364.72	35.508	281.12
374.52	35.228	278.4
384.32	34.969	275.8
394.12	34.729	273.33
400.	34.594	271.89
401.	34.572	271.64
402.	34.55	271.4
405.	34.482	270.67
414.	34.265	268.52
424.	34.027	266.18
434.	33.796	263.89
444.	33.572	261.63
454.	33.355	259.4
464.	33.145	257.22
474.	32.941	255.06
484.	32.743	252.95
494.	32.55	250.88
500.	32.44	249.67
501.	32.422	249.47
502.	32.405	249.27
505.	32.351	248.66
514.	32.185	246.89
524.	32.006	244.94
534.	31.831	243.01
544.	31.662	241.11
554.	31.496	239.24
564.	31.336	237.39
574.	31.179	235.57
584.	31.026	233.76
594.	30.876	231.99
600.	30.79	230.93
606.	30.705	229.87
612.	30.621	228.83
630.	30.361	225.78
684.	29.718	217.22
738.	29.127	209.2
798.	28.537	200.86
858.	28.006	193.07
918.	27.528	185.75
978.	27.095	178.85
1038.	26.702	172.36
1098.	26.343	166.22
1158.	26.016	160.41
1200.	25.8	156.5
1212.	25.736	155.39
1224.	25.674	154.3
1260.	25.509	151.12
1296.		

	25.349	148.04
1404.	24.926	139.57
1512.	24.557	131.8
1632.	24.201	123.91
1752.	23.891	116.66
1872.	23.62	110.
1992.	23.382	103.86
2112.	23.172	98.181
2232.	22.988	92.93
2352.	22.826	88.065
2400.	22.764	86.177
2412.	22.748	85.71
2424.	22.733	85.246
2460.	22.685	83.893
2568.	22.573	80.07
2676.	22.469	76.49
2796.	22.366	72.788
2916.	22.275	69.34
3036.	22.195	66.125
3156.	22.123	63.125
3276.	22.06	60.323
3396.	22.004	57.706
3516.	21.954	55.258
3600.	21.923	53.623
3612.	21.918	53.392
3624.	21.913	53.162
3660.	21.899	52.488
3768.	21.867	51.233
3876.	21.836	50.109
3996.	21.807	48.923
4116.	21.781	47.796
4236.	21.758	46.725
4356.	21.738	45.826
4476.	21.721	44.974
4596.	21.707	44.157
4716.	21.694	43.375
4800.	21.687	42.844
4812.	21.685	42.768
4824.	21.684	42.693
4860.	21.68	42.469
4968.	21.673	41.825
5076.	21.667	41.267
5196.	21.661	40.69
5316.	21.657	40.131
5436.	21.654	39.592
5556.	21.651	39.07
5676.	21.65	38.565
5796.	21.649	38.077
5916.		37.604
6000.		37.281
6012.	21.65	37.235
6024.		37.189
6060.		37.053
6168.	21.652	36.656
6276.	21.654	36.27
6396.	21.656	35.855
6516.	21.659	35.452
6636.	21.662	35.063
6756.	21.666	34.685
6876.	21.67	34.319

6996.	21.674	33.963
7116.	21.678	33.619
7200.	21.682	33.383

Material Data

Drum Contents

TABLE 28
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 29
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 30
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 31
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 32
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 33
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 34
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 35
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 36
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 37
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 38
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 39
Room Steel > Constants

Density	7854 kg m^-3

TABLE 40
Room Steel > Isotropic Thermal Conductivity

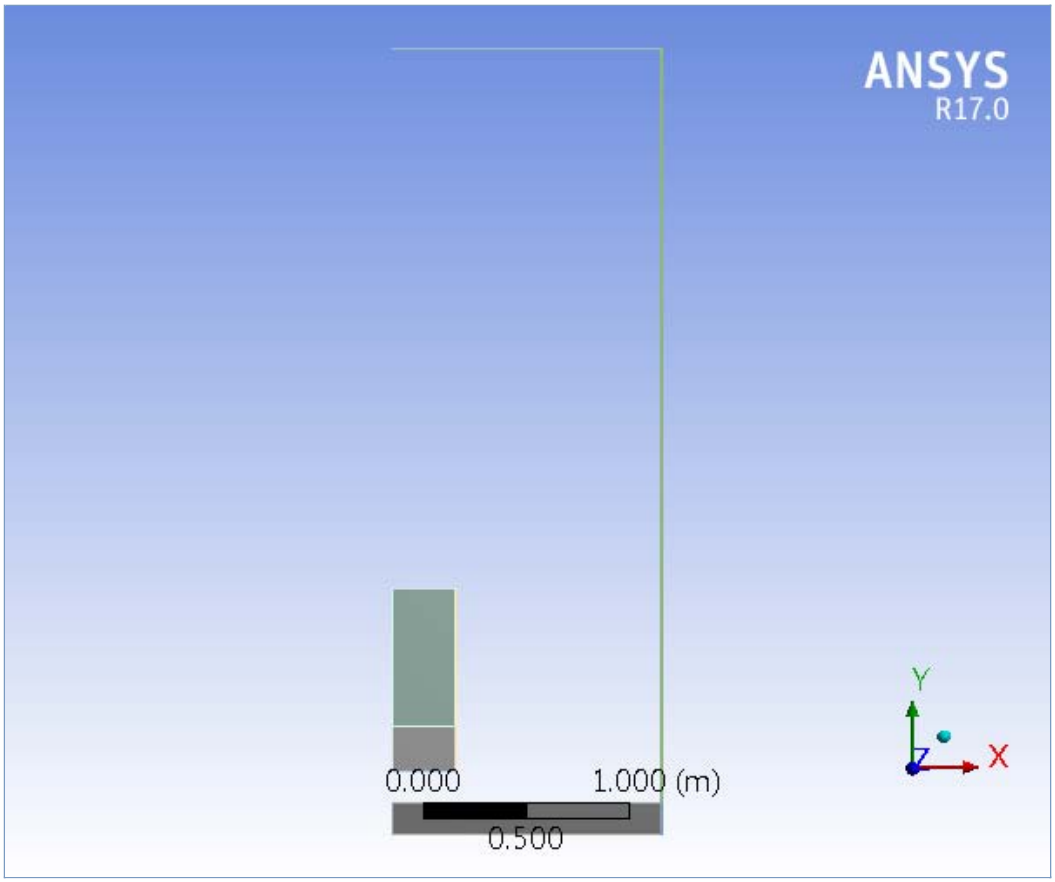
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 41
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_wind_from_west Drum Heating
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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- **Material Data**
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  - Drum Steel
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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (L4)

Geometry

TABLE 2
Model (L4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-19\DM\SYS-19.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	

Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	13
Active Bodies	13
Nodes	3477
Elements	982
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (L4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										

Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											
Nodes	501	172	40	117	971	227	172	40	351	62	557
Elements	150	45	9	30	300	60	45	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (L4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*
State	Meshed	
Graphics Properties		
Visible	Yes	
Transparency	1	
Definition		
Suppressed	No	
Stiffness Behavior	Flexible	
Coordinate System	Default Coordinate System	
Reference Temperature	By Environment	
Behavior	None	
Material		
Assignment	Room Steel	
Nonlinear Effects	Yes	
Thermal Strain Effects	Yes	
Bounding Box		
Length X	6.35e-003 m	1.3035 m
Length Y	6.35e-003 m	
Properties		
Volume	N/A	
Mass	N/A	
Centroid X	N/A	
Centroid Y	N/A	
Centroid Z	N/A	
Moment of Inertia Ip1	N/A	
Moment of Inertia Ip2	N/A	
Moment of Inertia Ip3	N/A	
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²
Statistics		
Nodes	40	227
Elements	9	60
Mesh Metric	None	

Coordinate Systems

TABLE 5
Model (L4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m

Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (L4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (L4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Slider
Tolerance Slider	0.
Tolerance Value	1.0072e-002 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	14
Active Connections	14

TABLE 8
Model (L4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge				2 Edges	1 Edge					
Target	2 Edges		1 Edge	2 Edges	1 Edge	2 Edges					
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim	1.0072e-002 m										

Tolerance	
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (L4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Contact	1 Edge		2 Edges
Target	1 Edge	2 Edges	1 Edge
Contact Bodies	Surface Body		
Target Bodies	Surface Body		
Shell Thickness Effect	No		
Definition			
Type	Bonded		
Scope Mode	Automatic		
Behavior	Program Controlled		
Trim Contact	Program Controlled		
Trim Tolerance	1.0072e-002 m		
Suppressed	No		
Advanced			
Formulation	Program Controlled		
Detection Method	Program Controlled		
Elastic Slip Tolerance	Program Controlled		
Thermal Conductance	Program Controlled		
Pinball Region	Program Controlled		
Geometric Modification			
Contact Geometry Correction	None		
Target Geometry Correction	None		

Mesh

TABLE 10
Model (L4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	

Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	3477
Elements	982
Mesh Metric	None

TABLE 11
Model (L4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*
State	Fully Defined									
Scope										
Scoping Method	Named Selection									Geometry Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	
Geometry										13 Faces
Definition										
Suppressed	No									
Type	Number of Divisions									
Number of Divisions	3	15	10	20	5	25	3	50	20	
Behavior	Hard									
Bias Type	No Bias									
Mapped Mesh										Yes
Method										Quadrilaterals
Constrain Boundary										No

Advanced		
Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 12
Model (L4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*
State	Fully Defined								
Scope									
Scoping Method	Worksheet				Geometry Selection	Worksheet			
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Definition									
Send to Solver	Yes								
Visible	Yes								
Program Controlled Inflation	Exclude								
Statistics									
Type	Manual								
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m
Suppressed	0								
Used by Mesh Worksheet	No								
Tolerance									
Tolerance Type	Program Controlled					Program Controlled			
Zero Tolerance	1.e-008					1.e-008			
Relative Tolerance	1.e-003					1.e-003			

Transient Thermal (L5)

TABLE 13
Model (L4) > Analysis

Object Name	*Transient Thermal (L5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 14
Model (L4) > Transient Thermal (L5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined

Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 15
Model (L4) > Transient Thermal (L5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	487.
Current Step Number	487.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-19\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 16
Model (L4) > Transient Thermal (L5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			

11	22. s			
12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s	2.e-002 s	2.e-003 s	0.2 s
42	84. s			
43	86. s			
44	88. s			
45	90. s			
46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71				

	142. s			
72	144. s			
73	146. s			
74	148. s			
75	150. s			
76	152. s			
77	154. s			
78	156. s			
79	158. s			
80	160. s			
81	161. s			
82	162. s			
83	163. s			
84	164. s			
85	165. s			
86	166. s			
87	167. s			
88	168. s			
89	169. s			
90	170. s			
91	171. s			
92	172. s			
93	173. s			
94	174. s			
95	175. s			
96	176. s			
97	177. s			
98	178. s			
99	179. s			
100	180. s			
101	181. s			
102	182. s			
103	183. s			
104	184. s			
105	185. s			
106	186. s			
107	187. s			
108	188. s			
109	189. s			
110	190. s			
111	191. s			
112	192. s			
113	193. s			
114	194. s			
115	195. s			
116	196. s			
117	197. s			
118	198. s			
119	199. s			
120	200. s			
121	201. s			
122	202. s			
123	203. s			
124	204. s			
125	205. s			
126	206. s			
127	207. s			
128	208. s			
129	209. s			
130	210. s			
131				

	211. s
132	212. s
133	213. s
134	214. s
135	215. s
136	216. s
137	217. s
138	218. s
139	219. s
140	220. s
141	221. s
142	222. s
143	223. s
144	224. s
145	225. s
146	226. s
147	227. s
148	228. s
149	229. s
150	230. s
151	231. s
152	232. s
153	233. s
154	234. s
155	235. s
156	236. s
157	237. s
158	238. s
159	239. s
160	240. s
161	241. s
162	242. s
163	243. s
164	244. s
165	245. s
166	246. s
167	247. s
168	248. s
169	249. s
170	250. s
171	251. s
172	252. s
173	253. s
174	254. s
175	255. s
176	256. s
177	257. s
178	258. s
179	259. s
180	260. s
181	261. s
182	262. s
183	263. s
184	264. s
185	265. s
186	266. s
187	267. s
188	268. s
189	269. s
190	270. s
191	

	271. s
192	272. s
193	273. s
194	274. s
195	275. s
196	276. s
197	277. s
198	278. s
199	279. s
200	280. s
201	281. s
202	282. s
203	283. s
204	284. s
205	285. s
206	286. s
207	287. s
208	288. s
209	289. s
210	290. s
211	291. s
212	292. s
213	293. s
214	294. s
215	295. s
216	296. s
217	297. s
218	298. s
219	299. s
220	300. s
221	301. s
222	302. s
223	303. s
224	304. s
225	305. s
226	306. s
227	307. s
228	308. s
229	309. s
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231	311. s
232	312. s
233	313. s
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235	315. s
236	316. s
237	317. s
238	318. s
239	319. s
240	320. s
241	321. s
242	322. s
243	323. s
244	324. s
245	325. s
246	326. s
247	327. s
248	328. s
249	329. s
250	330. s
251	

	331. s
252	332. s
253	333. s
254	334. s
255	335. s
256	336. s
257	337. s
258	338. s
259	339. s
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262	342. s
263	343. s
264	344. s
265	345. s
266	346. s
267	347. s
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274	354. s
275	355. s
276	356. s
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280	360. s
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282	362. s
283	363. s
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290	370. s
291	371. s
292	372. s
293	373. s
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297	377. s
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299	379. s
300	380. s
301	381. s
302	382. s
303	383. s
304	384. s
305	385. s
306	386. s
307	387. s
308	388. s
309	389. s
310	390. s
311	

	391. s
312	392. s
313	393. s
314	394. s
315	395. s
316	396. s
317	397. s
318	398. s
319	399. s
320	400. s
321	401. s
322	402. s
323	403. s
324	404. s
325	405. s
326	406. s
327	407. s
328	408. s
329	409. s
330	410. s
331	411. s
332	412. s
333	413. s
334	414. s
335	415. s
336	416. s
337	417. s
338	418. s
339	419. s
340	420. s
341	421. s
342	422. s
343	423. s
344	424. s
345	425. s
346	426. s
347	427. s
348	428. s
349	429. s
350	430. s
351	431. s
352	432. s
353	433. s
354	434. s
355	435. s
356	436. s
357	437. s
358	438. s
359	439. s
360	440. s
361	441. s
362	442. s
363	443. s
364	444. s
365	445. s
366	446. s
367	447. s
368	448. s
369	449. s
370	450. s
371	

	451. s
372	452. s
373	453. s
374	454. s
375	455. s
376	456. s
377	457. s
378	458. s
379	459. s
380	460. s
381	461. s
382	462. s
383	463. s
384	464. s
385	465. s
386	466. s
387	467. s
388	468. s
389	469. s
390	470. s
391	471. s
392	472. s
393	473. s
394	474. s
395	475. s
396	476. s
397	477. s
398	478. s
399	479. s
400	480. s
401	481. s
402	482. s
403	483. s
404	484. s
405	485. s
406	486. s
407	487. s
408	488. s
409	489. s
410	490. s
411	491. s
412	492. s
413	493. s
414	494. s
415	495. s
416	496. s
417	497. s
418	498. s
419	499. s
420	500. s
421	501. s
422	502. s
423	503. s
424	504. s
425	505. s
426	506. s
427	507. s
428	508. s
429	509. s
430	510. s
431	

	511. s				
432	512. s				
433	513. s				
434	514. s				
435	515. s				
436	516. s				
437	517. s				
438	518. s				
439	519. s				
440	520. s				
441	521. s				
442	522. s				
443	523. s				
444	524. s				
445	525. s				
446	526. s				
447	527. s				
448	528. s				
449	529. s				
450	530. s				
451	531. s				
452	532. s				
453	533. s				
454	534. s				
455	535. s				
456	536. s	1.e-002 s			
457	537. s				
458	538. s				
459	539. s				
460	540. s				
461	541. s				
462	542. s				
463	543. s				
464	544. s				
465	545. s				
466	546. s				
467	547. s				
468	548. s				
469	549. s				
470	550. s				
471	551. s				
472	552. s				
473	553. s				
474	554. s				
475	555. s				
476	556. s				
477	557. s				
478	558. s				
479	559. s				
480	560. s				

			1.e-003 s		

				0.1 s
481	600. s	0.4 s	4.e-002 s	4. s
482	1200. s	6. s	0.6 s	60. s
483	2400. s	12. s	1.2 s	120. s
484	3600. s			
485	4800. s			
486	6000. s			
487	7200. s			

TABLE 17
Model (L4) > Transient Thermal (L5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*
State	Fully Defined									
Scope										
Scoping Method	Geometry Selection									
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges		
Definition										
Type	Temperature	Radiation						Convection	Heat Flux	Radiation
Magnitude	22.25 °C (step applied)								Tabular Data	
Suppressed	No									
Correlation		Surface to Surface								To Ambient
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			1. (step applied)
Enclosure		1.								
Enclosure Type		Perfect								
Film Coefficient								Tabular Data		
Ambient Temperature								Tabular Data		16.85 °C (step applied)
Convection Matrix								Program Controlled		
Edit Data For								Film Coefficient		
Tabular Data										
Independent Variable								Time		

FIGURE 1
Model (L4) > Transient Thermal (L5) > Temperature

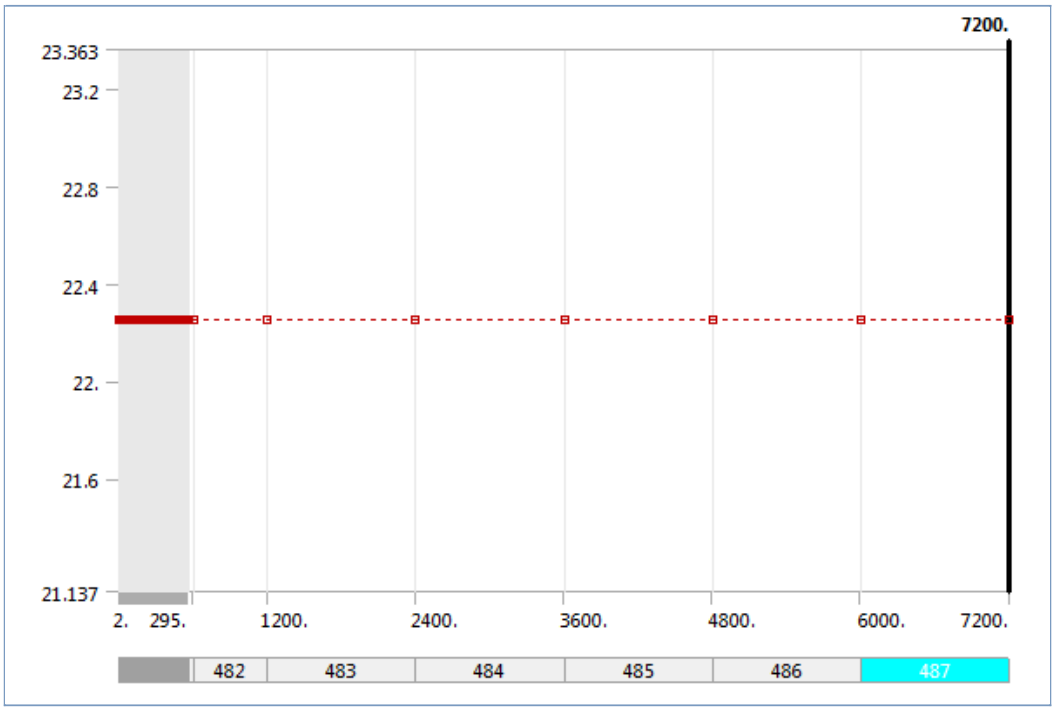


FIGURE 2
Model (L4) > Transient Thermal (L5) > Radiation 2

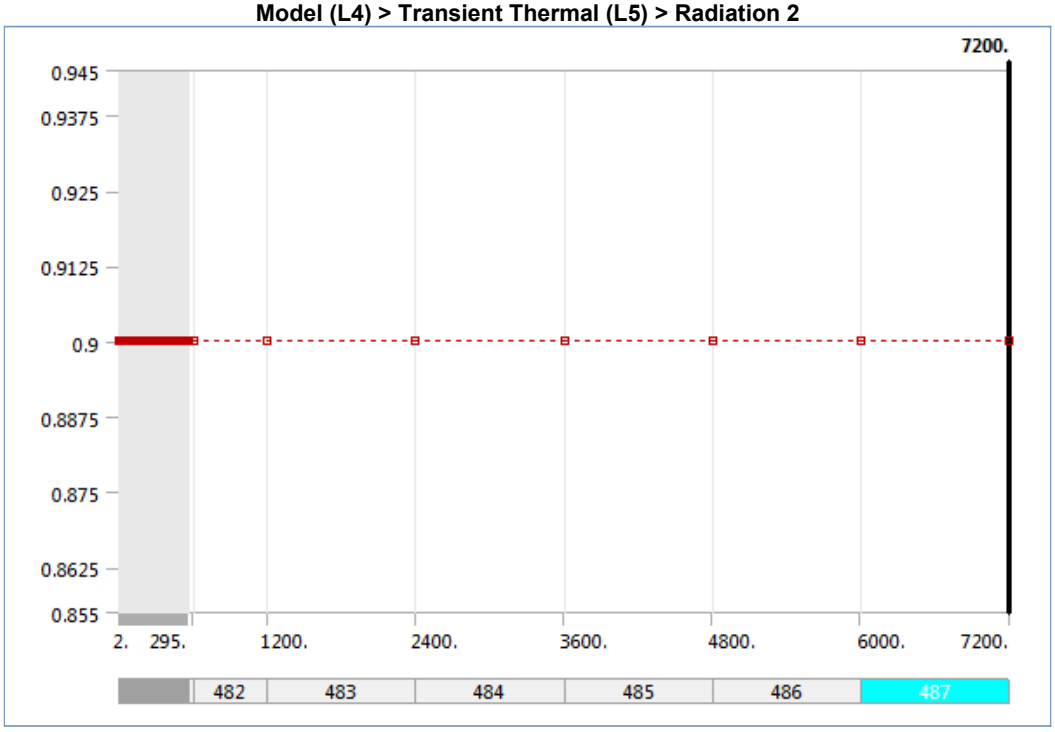


FIGURE 3
Model (L4) > Transient Thermal (L5) > Radiation 3

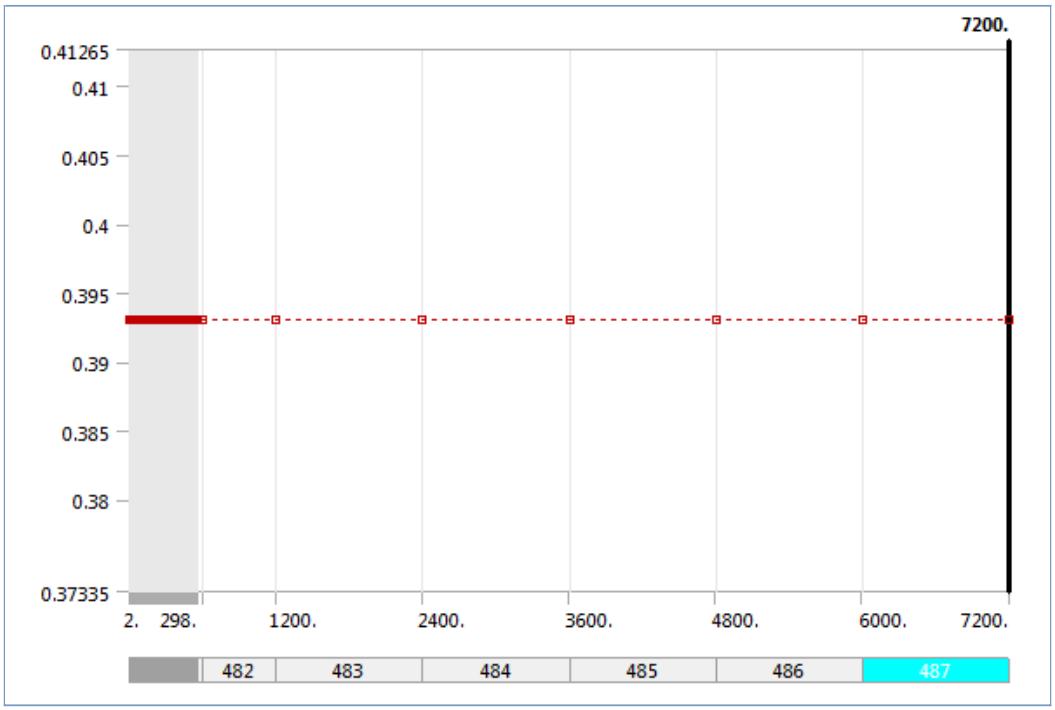


FIGURE 4
Model (L4) > Transient Thermal (L5) > Radiation 4

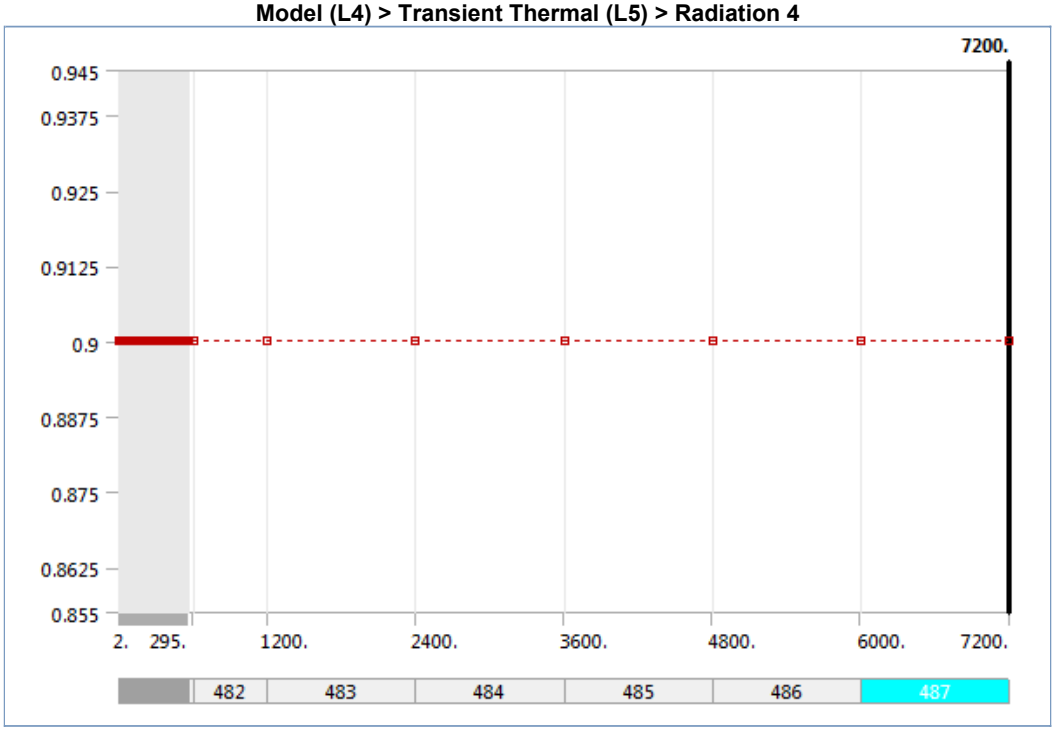


FIGURE 5
Model (L4) > Transient Thermal (L5) > Radiation 5

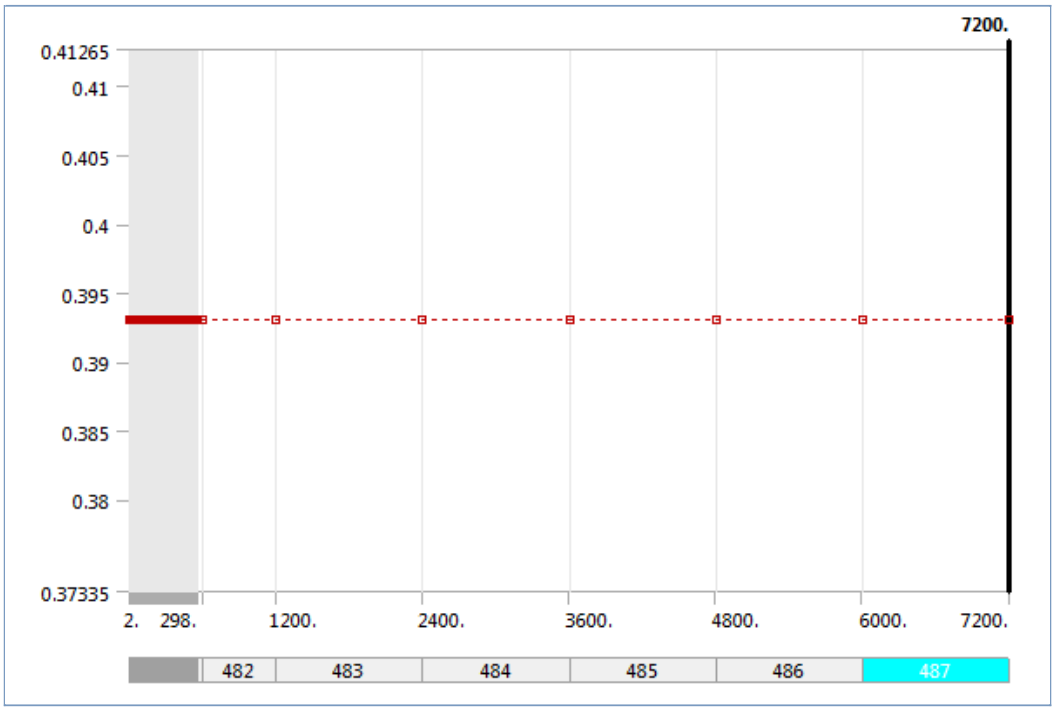


FIGURE 6
Model (L4) > Transient Thermal (L5) > Radiation 6

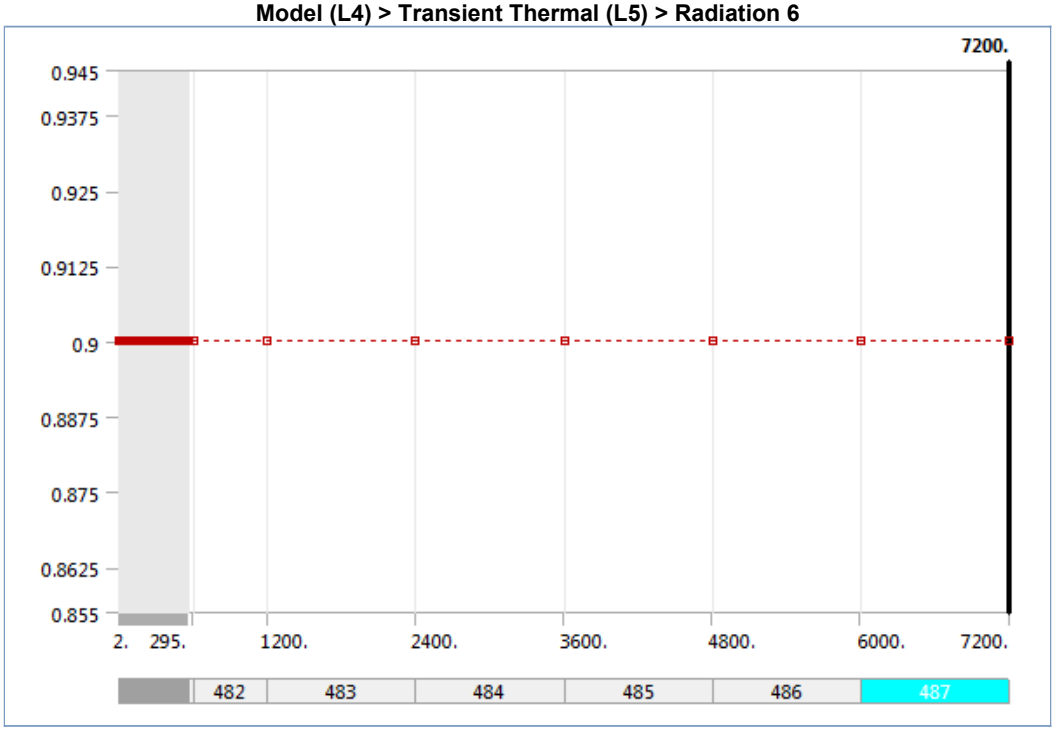


FIGURE 7
Model (L4) > Transient Thermal (L5) > Radiation 7

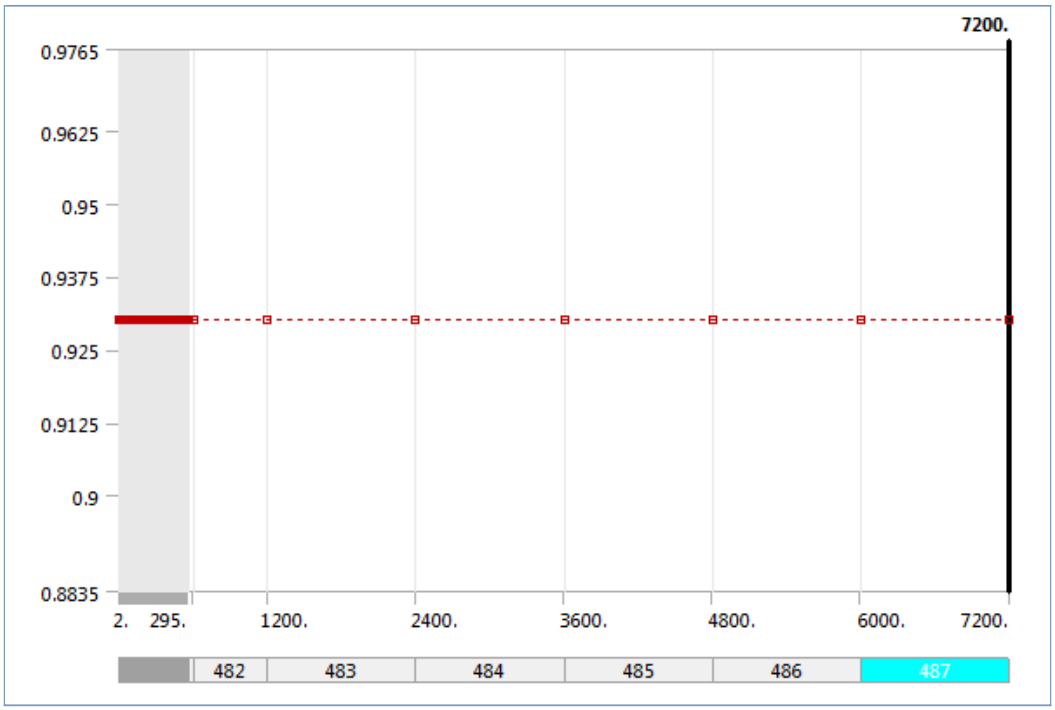


FIGURE 8
Model (L4) > Transient Thermal (L5) > Convection

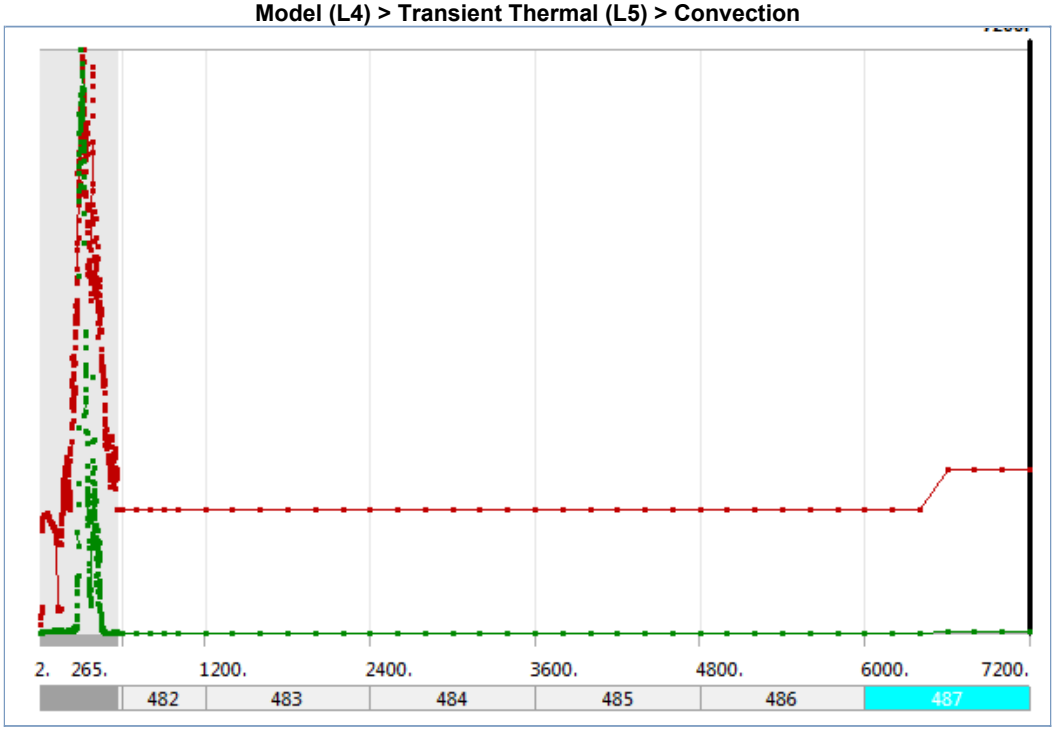


TABLE 18
Model (L4) > Transient Thermal (L5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	16.88
3	6.	0.92	16.95
4	8.	1.12	16.99
5	10.	1.3	17.
6	12.	4.2	

7	14.	4.34	16.98
8	16.	4.54	17.21
9	18.	4.64	17.05
10	20.	4.7	17.12
11	22.	4.73	17.18
12	24.	4.76	17.22
13	26.	4.78	17.26
14	28.	4.79	17.28
15	30.	4.8	17.3
16	32.	4.78	17.36
17	34.	4.76	17.39
18	36.	4.75	17.48
19	38.	4.76	17.6
20	40.	4.78	17.65
21	42.	4.8	
22	44.	4.82	
23	46.	4.83	17.68
24	48.		17.78
25	50.	4.82	17.86
26	52.		17.94
27	54.	4.8	17.98
28	56.	4.77	18.
29	58.	4.76	18.02
30	60.	4.73	18.05
31	62.	4.7	18.1
32	64.	4.67	18.14
33	66.	4.64	18.16
34	68.	4.6	18.15
35	70.	4.56	18.21
36	72.	4.54	18.23
37	74.	4.53	18.25
38	76.	4.55	18.26
39	78.	4.52	18.27
40	80.	4.5	
41	82.	4.49	18.26
42	84.	4.45	
43	86.	4.42	
44	88.	4.39	18.33
45	90.	4.38	18.4
46	92.	4.37	18.47
47	94.	4.34	18.55
48	96.	4.31	18.62
49	98.	4.3	18.9
50	100.	4.32	19.45
51	102.	4.29	19.98
52	104.	4.24	20.53
53	106.	4.21	21.04
54	108.	4.2	21.11
55	110.	4.09	20.88
56	112.	4.01	20.44
57	114.	3.99	19.87
58	116.	3.94	19.81
59	118.	3.85	19.46
60	120.	3.75	19.8
61	122.	1.31	19.88
62	124.	1.28	19.91
63	126.	1.24	19.94
64	128.	1.22	19.72
65	130.		19.46
66	132.		20.75

67	134.	1.24	22.42
68	136.	1.27	22.33
69	138.		21.67
70	140.	3.71	21.03
71	142.	3.76	20.54
72	144.	1.22	20.02
73	146.	1.25	19.7
74	148.	3.69	20.12
75	150.	3.98	20.43
76	151.	4.05	19.85
	152.	4.23	19.54
77	153.	4.48	19.13
	154.		18.88
78	155.	4.44	18.57
	156.	4.63	18.48
79	157.	4.74	18.34
	158.	4.79	18.23
80	159.	4.85	18.09
	160.	4.93	18.05
81	161.	5.04	18.
82	162.	5.15	17.99
83	163.	5.3	17.97
84	164.	5.4	17.98
85	165.	5.61	17.96
86	166.	5.76	17.99
87	167.	5.83	17.98
88	168.	5.82	17.92
89	169.	5.87	
90	170.	5.97	17.97
91	171.	6.1	18.24
92	172.	6.21	18.77
93	173.	6.2	19.16
94	174.	6.21	19.64
95	175.	6.26	19.81
96	176.	6.27	19.89
97	177.	6.24	19.06
98	178.	6.32	19.37
99	179.	6.28	19.72
100	180.	6.19	19.83
101	181.	6.32	19.77
102	182.	6.44	19.71
103	183.	6.54	19.27
104	184.	6.61	18.34
105	185.	6.7	
106	186.	6.79	18.29
107	187.	6.82	18.25
108	188.	6.81	18.3
109	189.	6.93	18.54
110	190.	6.82	18.64
111	191.	6.77	18.63
112	192.	6.73	18.52
113	193.	6.71	18.38
114	194.		18.77
115	195.	6.79	19.12
116	196.	6.86	19.25
117	197.	6.71	19.41
118	198.	6.48	19.61
119	199.	6.29	19.9
120	200.	6.06	19.68
121	201.	5.91	19.58

122	202.	5.86	19.87
123	203.	5.73	20.13
124	204.	5.61	20.26
125	205.	5.5	
126	206.	5.38	20.14
127	207.	5.18	20.07
128	208.	5.05	20.24
129	209.	5.22	20.56
130	210.	5.1	20.77
131	211.	5.36	20.88
132	212.	5.6	20.95
133	213.	5.34	21.12
134	214.	4.98	21.07
135	215.	5.1	20.79
136	216.	5.64	20.9
137	217.	6.79	21.15
138	218.	7.09	21.53
139	219.	7.13	23.4
140	220.	7.25	23.17
141	221.	7.24	21.34
142	222.	7.51	21.29
143	223.	8.03	21.7
144	224.	8.22	21.59
145	225.	8.19	21.32
146	226.	9.08	20.97
147	227.	8.87	20.6
148	228.	8.9	20.24
149	229.	9.63	20.26
150	230.	9.83	20.24
151	231.	9.79	20.45
152	232.	9.69	20.55
153	233.	9.73	20.24
154	234.	10.68	20.21
155	235.	10.71	19.51
156	236.	10.6	20.12
157	237.	10.09	20.61
158	238.	9.89	20.9
159	239.	9.	20.73
160	240.	10.42	20.8
161	241.	9.42	23.27
162	242.	9.15	23.11
163	243.	9.27	23.7
164	244.	9.3	22.97
165	245.	8.74	22.29
166	246.	8.34	21.72
167	247.	8.88	21.85
168	248.	9.57	22.54
169	249.	9.38	22.22
170	250.	9.55	22.36
171	251.	11.48	21.71
172	252.	10.49	21.24
173	253.	11.06	22.08
174	254.	11.64	22.94
175	255.	11.95	24.07
176	256.	12.15	27.31
177	257.	12.24	25.45
178	258.	12.1	22.74
179	259.	12.64	23.56
180	260.	12.62	26.44
181	261.	12.4	28.62

182	262.	12.2	28.43
183	263.	12.56	47.63
184	264.	13.67	40.55
185	265.	13.63	67.45
186	266.	14.71	113.69
187	267.	17.62	93.67
188	268.	14.96	122.22
189	269.	13.47	113.63
190	270.	12.83	106.56
191	271.	11.98	90.82
192	272.	13.98	207.31
193	273.	18.06	179.99
194	274.	16.83	123.91
195	275.	15.84	300.3
196	276.	17.11	261.28
197	277.	17.17	406.44
198	278.	15.21	695.86
199	279.	16.41	857.53
200	280.	17.27	904.08
201	281.	17.68	839.09
202	282.	17.84	966.17
203	283.	18.38	889.51
204	284.	17.71	1004.2
205	285.	16.66	928.58
206	286.	16.86	936.24
207	287.	18.71	868.56
208	288.	17.69	910.43
209	289.	18.1	950.13
210	290.	17.61	933.13
211	291.	18.	978.16
212	292.	17.21	992.68
213	293.	18.75	972.39
214	294.	19.8	986.12
215	295.	18.89	1023.1
216	296.	20.01	1126.
217	297.	18.45	1040.4
218	298.	18.39	1018.7
219	299.	18.88	1043.2
220	300.	18.57	1029.5
221	301.	20.38	1054.6
222	302.	21.55	1015.6
223	303.	19.02	1014.
224	304.	20.58	1053.8
225	305.	21.87	1100.7
226	306.	21.57	1084.2
227	307.	20.56	1028.4
228	308.	19.72	1004.4
229	309.	19.98	994.41
230	310.	21.99	1075.2
231	311.	20.52	1050.7
232	312.	19.82	948.66
233	313.	20.32	950.97
234	314.	21.77	913.52
235	315.	22.24	945.32
236	316.	21.79	932.43
237	317.	20.01	937.04
238	318.	17.57	883.26
239	319.	18.41	863.37
240	320.	19.87	813.01
241	321.	18.8	864.46
242			

	322.	18.91	759.3
243	323.	16.79	428.32
244	324.	16.77	455.61
245	325.	16.86	436.96
246	326.	17.66	478.56
247	327.	18.84	464.22
248	328.	19.2	559.31
249	329.	19.29	583.2
250	330.	18.67	587.92
251	331.	18.53	519.47
252	332.	18.35	510.27
253	333.	19.22	524.38
254	334.	19.52	505.57
255	335.	18.12	400.83
256	336.	19.11	397.09
257	337.	18.7	375.08
258	338.	19.52	332.04
259	339.	18.29	285.86
260	340.	16.44	266.87
261	341.	15.8	235.76
262	342.	16.26	221.28
263	343.	15.37	276.42
264	344.	15.64	290.79
265	345.	14.99	307.97
266	346.	13.83	309.15
267	347.	14.08	273.9
268	348.	14.15	261.79
269	349.	14.18	248.48
270	350.	13.95	244.39
271	351.	14.1	227.28
272	352.	13.94	190.48
273	353.	14.28	177.1
274	354.	14.35	149.27
275	355.	14.25	133.58
276	356.	14.84	118.96
277	357.	14.32	106.59
278	358.	13.74	95.56
279	359.	14.12	98.3
280	360.	14.02	92.69
281	361.	14.33	87.76
282	362.	14.35	81.72
283	363.	14.36	77.81
284	364.	13.88	72.04
285	365.	13.6	96.59
286	366.	13.48	81.1
287	367.	13.78	75.02
288	368.	13.79	75.21
289	369.	13.12	68.57
290	370.	12.86	69.49
291	371.	12.84	69.22
292	372.	14.74	69.06
293	373.	14.75	73.17
294	374.	18.77	276.14
295	375.	19.75	262.49
296	376.	21.24	303.56
297	377.	21.34	503.23
298	378.	20.86	381.54
299	379.	21.58	343.53
300	380.	20.33	319.28
301	381.	18.38	180.29
302			

	382.	17.24	194.14
303	383.	16.93	199.18
304	384.	15.73	204.49
305	385.	16.44	233.99
306	386.	15.89	246.07
307	387.	16.17	260.65
308	388.	15.92	246.48
309	389.	15.06	288.17
310	390.	15.07	382.43
311	391.	14.45	331.01
312	392.	14.44	301.01
313	393.	14.37	276.49
314	394.	13.84	235.34
315	395.	13.66	211.01
316	396.	13.4	177.13
317	397.	13.2	259.91
318	398.	13.58	235.77
319	399.	13.26	242.91
320	400.	13.51	265.92
321	401.	13.98	177.17
322	402.	13.71	107.28
323	403.	13.53	157.69
324	404.	13.63	219.78
325	405.	14.29	220.81
326	406.	15.2	187.76
327	407.	14.49	125.19
328	408.	12.95	111.71
329	409.	15.9	196.47
330	410.	14.07	211.25
331	411.	13.14	189.24
332	412.	12.45	172.57
333	413.	14.4	164.24
334	414.	14.84	175.82
335	415.	13.58	146.66
336	416.	12.76	162.3
337	417.	11.96	127.8
338	418.	11.47	95.05
339	419.	12.65	70.55
340	420.	13.48	146.26
341	421.	13.12	212.58
342	422.	12.77	171.49
343	423.	12.62	185.
344	424.	12.6	191.12
345	425.	12.61	153.32
346	426.	12.23	156.79
347	427.	12.75	106.68
348	428.	13.	115.8
349	429.	13.36	187.22
350	430.	13.59	167.99
351	431.	12.02	102.27
352	432.	11.65	95.62
353	433.	12.04	94.38
354	434.	11.74	103.97
355	435.	11.66	84.84
356	436.	11.95	68.66
357	437.	11.71	59.64
358	438.	12.49	51.39
359	439.	12.29	40.17
360	440.	12.36	47.24
361	441.	11.74	30.18
362			

	442.	11.63	33.51
363	443.	10.97	29.43
364	444.	10.52	27.2
365	445.	10.64	24.53
366	446.	10.77	33.16
367	447.	10.37	34.9
368	448.	10.41	22.8
369	449.	10.22	23.81
370	450.	10.32	22.2
371	451.	10.01	21.66
372	452.	10.17	23.62
373	453.	9.97	23.74
374	454.	10.2	19.46
375	455.	9.92	17.78
376	456.	10.12	17.55
377	457.	9.92	17.49
378	458.	10.04	17.03
379	459.	9.75	18.67
380	460.		18.66
381	461.	9.8	18.92
382	462.	9.65	17.16
383	463.	9.8	17.22
384	464.	9.68	17.72
385	465.	9.34	17.93
386	466.	8.92	17.99
387	467.	8.88	17.96
388	468.	8.92	17.91
389	469.	8.69	18.03
390	470.	8.38	17.8
391	471.	8.21	16.8
392	472.	7.87	16.04
393	473.	7.42	15.91
394	474.	7.69	15.79
395	475.	7.92	15.86
396	476.	7.97	15.91
397	477.	7.55	15.78
398	478.	7.62	15.8
399	479.	7.54	15.86
400	480.	7.56	15.87
401	481.	7.57	15.92
402	482.	7.56	15.89
403	483.	7.72	16.11
404	484.	7.66	16.2
405	485.	7.3	16.29
406	486.	7.33	16.21
407	487.	7.49	16.25
408	488.	7.67	16.32
409	489.	7.68	16.07
410	490.	7.44	16.11
411	491.	7.	15.99
412	492.	6.91	15.98
413	493.	6.99	16.16
414	494.	6.93	16.26
415	495.	6.8	16.38
416	496.	6.79	16.37
417	497.	6.78	16.23
418	498.	6.82	16.06
419	499.	6.93	
420	500.	7.03	
421	501.	6.71	16.05

422	502.	6.34	16.01
423	503.	6.32	15.68
424	504.	6.21	15.4
425	505.	6.12	15.34
426	506.	6.07	15.35
427	507.	5.83	15.78
428	508.	6.09	16.11
429	509.	6.11	16.13
430	510.	6.13	16.06
431	511.	6.19	16.
432	512.	6.26	15.93
433	513.	6.57	16.11
434	514.	6.63	16.02
435	515.	6.68	15.91
436	516.	6.62	15.98
437	517.	6.59	16.37
438	518.	6.63	16.6
439	519.	6.84	16.74
440	520.	7.59	16.69
441	521.	7.62	16.73
442	522.	7.71	16.86
443	523.	7.67	16.78
444	524.	7.35	
445	525.	6.9	16.9
446	526.	6.94	16.86
447	527.	7.09	16.69
448	528.	7.06	16.72
449	529.	6.97	16.52
450	530.	6.98	17.15
451	531.	6.79	17.01
452	532.	6.52	17.04
453	533.	6.47	16.9
454	534.	6.38	16.77
455	535.	6.37	16.8
456	536.	6.31	16.69
457	537.	6.19	16.77
458	538.	6.	16.98
459	539.	5.79	16.96
460	540.	6.13	16.99
461	541.	7.17	17.24
462	542.	7.3	17.23
463	543.	7.18	17.22
464	544.	7.13	17.19
465	545.	7.17	17.06
466	546.	6.98	16.91
467	547.	6.53	16.75
468	548.	6.43	16.74
469	549.	6.33	16.08
470	550.	6.28	15.78
471	551.	6.45	15.75
472	552.	6.33	17.09
473	553.	6.15	17.13
474	554.	6.2	17.08
475	555.	6.5	17.01
476	556.		
477	557.		
478	558.		
479	559.		
480	560.		
	565.		

481	570.	5.	16.85
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
482	700.		
	800.		
	900.		
	1000.		
	1200.		
483	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.		
484	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
485	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
486	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
487	6200.		
	6400.		
	6600.	6.5	17.01
	6800.		
	7000.		
	7200.		

FIGURE 9
Model (L4) > Transient Thermal (L5) > Heat Flux

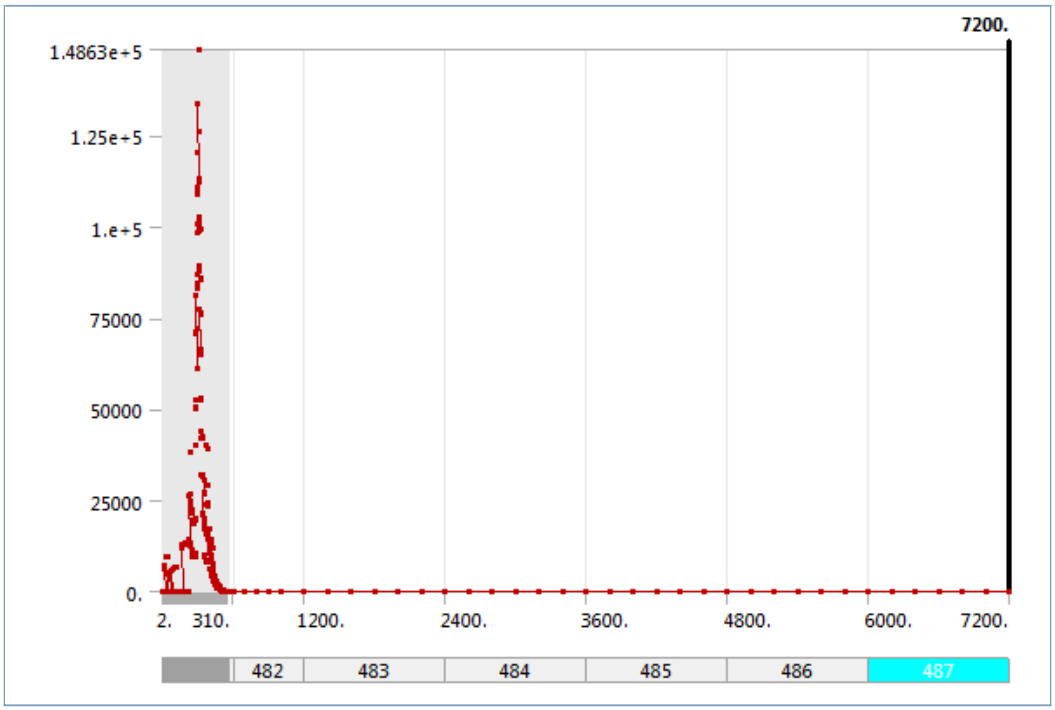


TABLE 19
Model (L4) > Transient Thermal (L5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	7391.7
9	18.	7263.8
10	20.	0.
11	22.	6193.3
12	24.	0.3
13	26.	0.
14	28.	5067.3
15	30.	4901.8
16	32.	9555.9
17	34.	4651.7
18	36.	0.3
19	38.	4593.3
20	40.	4801.1
21	42.	9343.1
22	44.	0.3
23	46.	0.
24	48.	4987.7
25	50.	0.3
26	52.	5167.8
27	54.	0.
28	56.	5273.7
29	58.	5282.1
30	60.	5281.5
31	62.	0.
32	64.	0.3

33	66.	5299.3
34	68.	0.
35	70.	
36	72.	
37	74.	0.3
38	76.	5700.4
39	78.	5758.2
40	80.	5803.1
41	82.	0.
42	84.	0.3
43	86.	0.
44	88.	
45	90.	
46	92.	
47	94.	6249.3
48	96.	0.
49	98.	
50	100.	
51	102.	0.3
52	104.	6679.5
53	106.	0.
54	108.	
55	110.	0.3
56	112.	0.
57	114.	
58	116.	6680.2
59	118.	0.
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	
67	134.	
68	136.	
69	138.	
70	140.	
71	142.	
72	144.	
73	146.	
74	148.	
75	150.	
76	151.	
	152.	
77	153.	
	154.	
78	155.	
	156.	
79	157.	
	158.	11947
80	159.	0.
	160.	
81	161.	0.3
82	162.	0.
83	163.	
84	164.	
85	165.	
86	166.	
87	167.	

88	168.	0.3
89	169.	0.
90	170.	12895
91	171.	0.
92	172.	
93	173.	
94	174.	
95	175.	
96	176.	12947
97	177.	0.
98	178.	
99	179.	
100	180.	
101	181.	12927
102	182.	0.
103	183.	
104	184.	
105	185.	
106	186.	
107	187.	
108	188.	
109	189.	12942
110	190.	0.
111	191.	
112	192.	
113	193.	
114	194.	
115	195.	
116	196.	
117	197.	
118	198.	
119	199.	13234
120	200.	13274
121	201.	13270
122	202.	13294
123	203.	0.
124	204.	
125	205.	
126	206.	
127	207.	
128	208.	13493
129	209.	13457
130	210.	0.
131	211.	13392
132	212.	13393
133	213.	13441
134	214.	13442
135	215.	13973
136	216.	13971
137	217.	13370
138	218.	13935
139	219.	13971
140	220.	0.3
141	221.	14060
142	222.	14119
143	223.	13528
144	224.	13486
145	225.	14003
146	226.	13906
147	227.	26520

148	228.	26422
149	229.	26273
150	230.	13597
151	231.	13484
152	232.	26829
153	233.	13335
154	234.	38047
155	235.	13128
156	236.	25027
157	237.	24911
158	238.	24670
159	239.	12752
160	240.	12640
161	241.	23902
162	242.	23519
163	243.	23260
164	244.	22995
165	245.	22610
166	246.	11556
167	247.	11359
168	248.	21363
169	249.	10485
170	250.	10309
171	251.	10145
172	252.	10465
173	253.	10317
174	254.	10200
175	255.	19380
176	256.	9620.1
177	257.	9987.
178	258.	9964.8
179	259.	19059
180	260.	19032
181	261.	18985
182	262.	9867.1
183	263.	18913
184	264.	9451.8
185	265.	9842.2
186	266.	9871.3
187	267.	9832.6
188	268.	18790
189	269.	18778
190	270.	18782
191	271.	9417.3
192	272.	18959
193	273.	9567.8
194	274.	19276
195	275.	19427
196	276.	9786.5
197	277.	9893.5
198	278.	10401
199	279.	20066
200	280.	40237
201	281.	50235
202	282.	52499
203	283.	50568
204	284.	70951
205	285.	71090
206	286.	71025
207	287.	70993
208		

	288.	81188
209	289.	61152
210	290.	71942
211	291.	83216
212	292.	84142
213	293.	84720
214	294.	1.0062e+005
215	295.	87003
216	296.	1.0914e+005
217	297.	98535
218	298.	1.2046e+005
219	299.	98324
220	300.	1.0992e+005
221	301.	1.1088e+005
222	302.	1.3368e+005
223	303.	1.3402e+005
224	304.	1.1215e+005
225	305.	1.1335e+005
226	306.	1.4863e+005
227	307.	1.2611e+005
228	308.	1.0269e+005
229	309.	1.1313e+005
230	310.	1.0122e+005
231	311.	1.1231e+005
232	312.	1.0081e+005
233	313.	89475
234	314.	1.0019e+005
235	315.	77199
236	316.	87995
237	317.	99104
238	318.	77479
239	319.	66556
240	320.	99240
241	321.	76520
242	322.	76082
243	323.	64920
244	324.	85977
245	325.	85439
246	326.	53040
247	327.	52855
248	328.	52581
249	329.	43905
250	330.	42214
251	331.	31801
252	332.	42282
253	333.	42179
254	334.	42014
255	335.	41894
256	336.	41890
257	337.	42105
258	338.	31655
259	339.	42451
260	340.	31912
261	341.	32066
262	342.	21442
263	343.	32100
264	344.	32075
265	345.	21324
266	346.	31887
267	347.	21058
268		

	348.	21589
269	349.	30585
270	350.	20136
271	351.	19967
272	352.	19802
273	353.	10172
274	354.	19208
275	355.	19002
276	356.	9790.2
277	357.	18451
278	358.	27344
279	359.	9377.1
280	360.	26640
281	361.	17493
282	362.	17112
283	363.	16845
284	364.	16671
285	365.	16474
286	366.	16232
287	367.	40031
288	368.	15932
289	369.	23948
290	370.	16073
291	371.	16086
292	372.	8332.5
293	373.	23981
294	374.	7988.6
295	375.	16015
296	376.	16131
297	377.	8483.2
298	378.	8505.8
299	379.	24516
300	380.	16362
301	381.	16407
302	382.	16420
303	383.	24380
304	384.	24065
305	385.	15876
306	386.	39242
307	387.	23208
308	388.	15860
309	389.	14939
310	390.	29385
311	391.	14485
312	392.	14221
313	393.	13953
314	394.	13744
315	395.	13555
316	396.	13947
317	397.	13122
318	398.	12778
319	399.	12399
320	400.	12070
321	401.	6146.8
322	402.	17311
323	403.	11319
324	404.	11042
325	405.	10782
326	406.	10583
327	407.	10383
328		

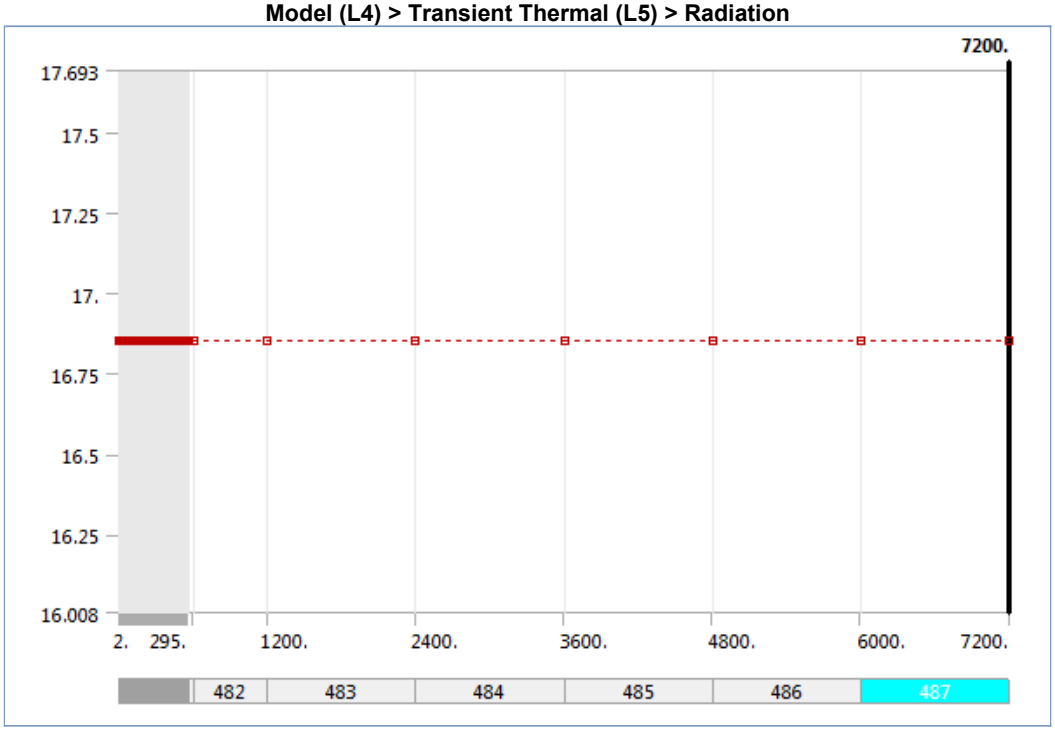
	408.	10152
329	409.	9938.5
330	410.	9790.2
331	411.	9672.4
332	412.	14429
333	413.	9526.5
334	414.	4696.9
335	415.	4813.1
336	416.	4541.
337	417.	13365
338	418.	13164
339	419.	4323.6
340	420.	8453.9
341	421.	4312.8
342	422.	8110.8
343	423.	3980.4
344	424.	11734
345	425.	7662.3
346	426.	3904.5
347	427.	7309.5
348	428.	3571.3
349	429.	6986.4
350	430.	3392.3
351	431.	6571.2
352	432.	6411.8
353	433.	6242.5
354	434.	6100.5
355	435.	2946.5
356	436.	2977.
357	437.	5510.8
358	438.	2766.8
359	439.	3384.8
360	440.	2557.
361	441.	2391.5
362	442.	2325.6
363	443.	2274.3
364	444.	2207.7
365	445.	2138.5
366	446.	4122.9
367	447.	3998.
368	448.	3860.3
369	449.	1948.9
370	450.	1888.9
371	451.	1827.7
372	452.	1695.2
373	453.	1655.4
374	454.	1605.9
375	455.	1612.
376	456.	1490.4
377	457.	2899.9
378	458.	1455.1
379	459.	2679.9
380	460.	1303.
381	461.	2507.1
382	462.	1202.4
383	463.	1210.5
384	464.	2274.5
385	465.	2208.9
386	466.	1118.5
387	467.	1081.6
388		

	468.	1996.8
389	469.	1925.
390	470.	967.6
391	471.	1783.3
392	472.	858.3
393	473.	826.9
394	474.	831.8
395	475.	766.1
396	476.	744.2
397	477.	724.6
398	478.	1409.7
399	479.	720.7
400	480.	1351.5
401	481.	1317.7
402	482.	642.2
403	483.	1239.7
404	484.	631.5
405	485.	591.6
406	486.	607.1
407	487.	562.1
408	488.	377.5
409	489.	530.3
410	490.	518.7
411	491.	527.4
412	492.	489.3
413	493.	1411.4
414	494.	474.5
415	495.	441.8
416	496.	428.9
417	497.	0.
418	498.	414.8
419	499.	404.4
420	500.	393.
421	501.	386.7
422	502.	0.3
423	503.	256.8
424	504.	357.8
425	505.	344.6
426	506.	223.9
427	507.	218.8
428	508.	320.2
429	509.	327.6
430	510.	311.8
431	511.	317.9
432	512.	297.
433	513.	191.
434	514.	186.3
435	515.	184.
436	516.	268.7
437	517.	0.
438	518.	263.8
439	519.	171.5
440	520.	254.3
441	521.	167.2
442	522.	166.8
443	523.	0.
444	524.	247.9
445	525.	232.2
446	526.	230.7
447	527.	0.
448		

	528.	149.8
449	529.	0.
450	530.	218.6
451	531.	0.
452	532.	204.7
453	533.	130.7
454	534.	0.
455	535.	
456	536.	
457	537.	126.4
458	538.	0.
459	539.	121.4
460	540.	121.7
461	541.	0.3
462	542.	0.
463	543.	163.7
464	544.	0.3
465	545.	0.
466	546.	108.3
467	547.	0.3
468	548.	0.
469	549.	
470	550.	94.7
471	551.	0.
472	552.	0.3
473	553.	0.
474	554.	
475	555.	
476	556.	
477	557.	
478	558.	
479	559.	
480	560.	
481	565.	
	570.	
	575.	
	580.	
	585.	
	590.	
	595.	
	600.	
482	700.	
	800.	
	900.	
	1000.	
	1200.	
483	1400.	
	1600.	
	1800.	
	2000.	
	2200.	
	2400.	
484	2600.	
	2800.	
	3000.	
	3200.	
	3400.	
	3600.	
	3800.	
	4000.	

485	4200.
	4400.
	4600.
	4800.
486	5000.
	5200.
	5400.
	5600.
	5800.
	6000.
487	6200.
	6400.
	6600.
	6800.
	7000.
	7200.

FIGURE 10
Model (L4) > Transient Thermal (L5) > Radiation



Solution (L6)

TABLE 20
Model (L4) > Transient Thermal (L5) > Solution

Object Name	*Solution (L6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	26 m 57 s
MAPDL Memory Used	762. MB
MAPDL Result File Size	2.9157 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 21
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 22
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	24.01 °C	-5.5616 °C
Maximum	477.29 °C	16.85 °C

FIGURE 11
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information > Temperature - Global Maximum

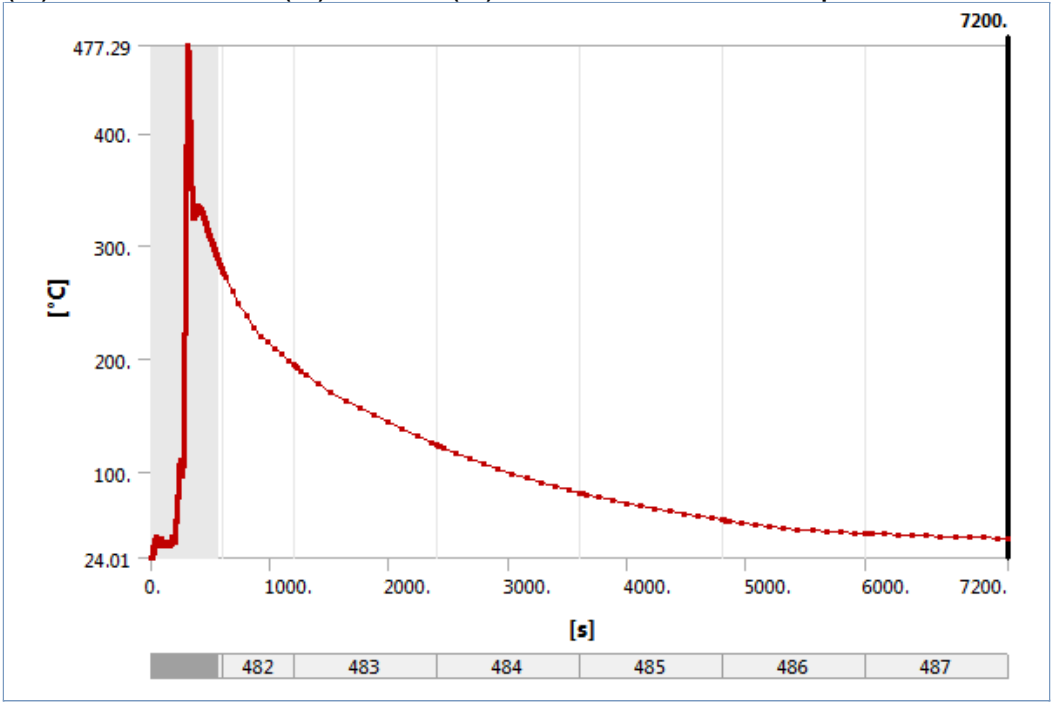


FIGURE 12
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information > Temperature - Global Minimum

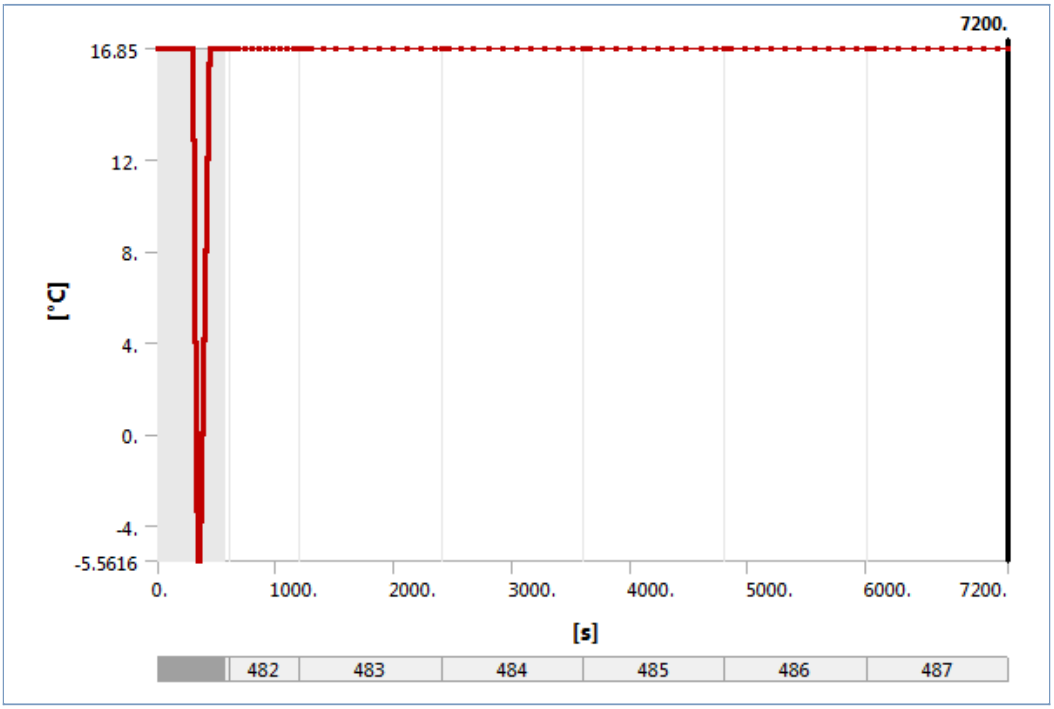


TABLE 23
Model (L4) > Transient Thermal (L5) > Solution (L6) > Results

Object Name	*Temperature*	*Temperature 2*	*Temperature 3*	*Temperature 4*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	6 Faces	4 Faces
Definition				
Type	Temperature			
By	Time			
Display Time	Last			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	21.608 °C	23.933 °C	28.494 °C	21.608 °C
Maximum	41.196 °C	40.086 °C	37.851 °C	34.993 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	-5.5616 °C	23.259 °C	23.89 °C	21.589 °C
Maximum	22.25 °C	23.933 °C	28.809 °C	56.097 °C
Maximum Value Over Time				
Minimum	24.01 °C	23.89 °C		23.985 °C
Maximum	477.29 °C	110.18 °C	228.36 °C	477.29 °C
Information				
Time	7200. s			
Load Step	487			
Substep	13			
Iteration Number	6432			

FIGURE 13
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature

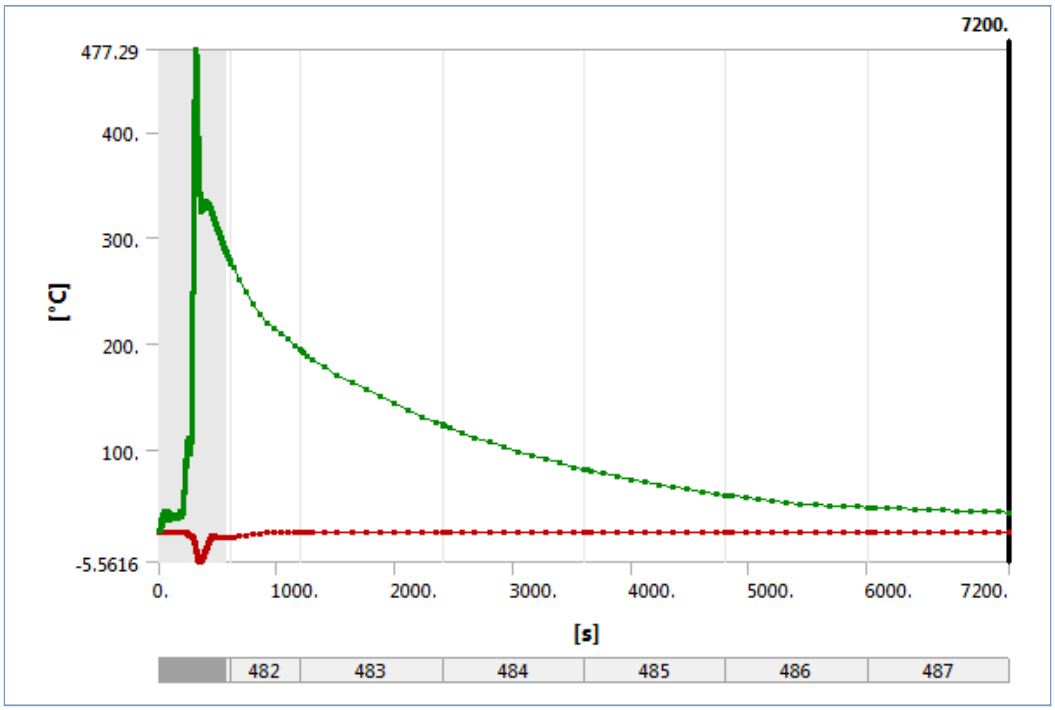


TABLE 24
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		24.13
0.1		
0.28		24.128
0.48		24.125
0.68		24.123
0.88		24.122
1.08		24.12
1.28		24.118
1.48		24.117
1.68		24.115
1.88		24.114
2.		
2.02		24.112
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		
4.02		24.095
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088

5.08	24.086
5.28	24.084
5.48	24.083
5.68	24.081
5.88	24.079
6.	24.078
6.02	
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.066
7.68	24.064
7.88	24.062
8.	24.061
8.02	
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.055
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.049
9.68	24.047
9.88	24.045
10.	24.044
10.02	
10.04	
10.1	
10.28	24.042
10.48	24.04
10.68	24.039
10.88	24.037
11.08	24.036
11.28	24.034
11.48	24.032
11.68	24.031
11.88	24.029
12.	24.028
12.02	
12.04	
12.1	24.027
12.28	24.026
12.48	24.024
12.68	24.022
12.88	24.021
13.08	24.019
13.28	24.018
13.48	24.016
13.68	24.014
13.88	24.013
14.	24.012
14.02	24.011
14.04	

14.1	
14.22	24.01
14.33	24.077
14.441	24.242
14.641	24.623
14.841	25.077
15.041	25.607
15.241	26.191
15.441	26.825
15.641	27.504
15.841	28.226
16.	28.827
16.02	28.9
16.04	28.971
16.1	29.169
16.28	29.682
16.48	30.185
16.68	30.641
16.88	31.061
17.08	31.452
17.28	31.819
17.48	32.165
17.68	32.493
17.88	32.806
18.	32.988
18.02	33.016
18.04	33.041
18.1	33.098
18.28	33.152
18.48	33.105
18.68	32.97
18.88	32.762
19.08	32.487
19.28	32.153
19.48	31.765
19.68	31.326
19.87	30.867
20.	30.534
20.02	30.487
20.04	30.444
20.1	30.345
20.28	30.213
20.48	30.209
20.68	30.313
20.88	30.503
21.08	30.767
21.28	31.095
21.48	31.479
21.68	31.915
21.88	32.397
22.	32.703
22.02	32.75
22.04	32.793
22.1	32.895
22.28	33.052
22.48	33.095
22.68	33.04
22.88	32.905
23.08	32.701
23.28	32.438
23.48	

	32.122
23.68	31.757
23.861	31.39
24.	31.089
24.02	31.047
24.04	31.007
24.1	30.899
24.28	30.636
24.48	30.391
24.68	30.179
24.88	29.992
25.08	29.823
25.28	29.671
25.48	29.53
25.68	29.401
25.88	29.281
26.	29.212
26.02	29.202
26.04	29.194
26.1	29.184
26.224	29.204
26.424	29.316
26.615	29.48
26.805	29.693
27.005	29.963
27.205	30.276
27.405	30.627
27.605	31.012
27.805	31.431
28.	31.868
28.02	31.911
28.04	31.953
28.1	32.068
28.28	32.359
28.48	32.638
28.68	32.886
28.88	33.11
29.08	33.316
29.28	33.507
29.48	33.684
29.68	33.851
29.88	34.008
30.	34.099
30.02	34.116
30.04	34.134
30.1	34.2
30.28	34.464
30.48	34.816
30.68	35.214
30.88	35.651
31.08	36.121
31.28	36.622
31.48	37.15
31.68	37.703
31.88	38.281
32.	38.635
32.02	38.691
32.04	38.744
32.1	38.881
32.28	39.168
32.48	

	39.377
32.68	39.503
32.88	39.56
33.08	39.557
33.28	39.503
33.48	39.402
33.68	39.259
33.88	39.077
34.	38.954
34.02	38.934
34.04	38.913
34.1	38.847
34.28	38.627
34.48	38.355
34.68	38.055
34.88	37.73
35.08	37.379
35.28	37.005
35.48	36.608
35.68	36.188
35.88	35.747
36.	35.475
36.02	35.432
36.04	35.393
36.1	35.296
36.28	35.126
36.48	35.042
36.68	35.039
36.88	35.102
37.08	35.221
37.28	35.39
37.48	35.603
37.68	35.856
37.88	36.146
38.	36.332
38.02	36.362
38.04	36.39
38.1	36.468
38.28	36.663
38.48	36.849
38.68	37.016
38.88	37.169
39.08	37.311
39.28	37.445
39.48	37.573
39.68	37.695
39.88	37.814
40.	37.884
40.02	37.897
40.04	37.911
40.1	37.965
40.28	38.19
40.48	38.496
40.68	38.846
40.88	39.234
41.08	39.656
41.28	40.108
41.48	40.587
41.68	41.092
41.88	41.621
42.	

	41.947
42.02	41.996
42.04	42.041
42.1	42.144
42.28	42.264
42.48	42.231
42.68	42.067
42.88	41.794
43.08	41.428
43.28	40.979
43.48	40.455
43.68	39.863
43.872	39.234
44.	38.792
44.02	38.726
44.04	38.662
44.1	38.488
44.28	38.06
44.48	37.659
44.68	37.308
44.88	36.996
45.08	36.714
45.28	36.457
45.48	36.219
45.68	35.998
45.88	35.792
46.	35.673
46.02	35.655
46.04	35.639
46.1	35.604
46.28	35.583
46.48	35.636
46.68	35.751
46.88	35.92
47.08	36.135
47.28	36.393
47.48	36.69
47.68	37.023
47.88	37.389
48.	37.62
48.02	37.655
48.04	37.687
48.1	37.762
48.28	37.862
48.48	37.867
48.68	37.79
48.88	37.648
49.08	37.45
49.28	37.203
49.48	36.912
49.68	36.582
49.88	36.216
50.	35.985
50.02	35.949
50.04	35.917
50.1	35.843
50.28	35.745
50.48	35.744
50.68	35.826
50.88	35.975
51.08	

	36.181
51.28	36.437
51.48	36.737
51.68	37.078
51.88	37.456
52.	37.696
52.02	37.732
52.04	37.766
52.1	37.843
52.28	37.949
52.48	37.957
52.68	37.882
52.88	37.74
53.08	37.54
53.28	37.29
53.48	36.995
53.68	36.66
53.877	36.294
54.	36.051
54.02	36.015
54.04	35.983
54.1	35.907
54.28	35.809
54.48	35.817
54.68	35.92
54.88	36.084
55.08	36.298
55.28	36.555
55.48	36.852
55.68	37.198
55.88	37.588
56.	37.836
56.02	37.875
56.04	37.914
56.1	38.018
56.28	38.281
56.48	38.533
56.68	38.757
56.88	38.96
57.08	39.147
57.28	39.321
57.48	39.484
57.68	39.638
57.88	39.785
58.	39.87
58.02	39.884
58.04	39.898
58.1	39.94
58.28	40.06
58.48	40.189
58.68	40.312
58.88	40.432
59.08	40.547
59.28	40.66
59.48	40.769
59.68	40.875
59.88	40.979
60.	41.04
60.02	41.048
60.04	41.055
60.1	

	41.061
60.28	41.
60.48	40.858
60.68	40.657
60.88	40.406
61.08	40.111
61.28	39.776
61.48	39.405
61.68	39.
61.88	38.563
62.	38.29
62.02	38.246
62.04	38.204
62.1	38.087
62.28	37.793
62.48	37.51
62.68	37.259
62.88	37.057
63.08	36.881
63.28	36.719
63.48	36.567
63.68	36.424
63.88	36.288
64.	36.21
64.02	36.199
64.04	36.19
64.1	36.175
64.28	36.213
64.48	36.325
64.68	36.495
64.88	36.711
65.08	36.968
65.28	37.262
65.48	37.59
65.68	37.949
65.88	38.338
66.	38.581
66.02	38.618
66.04	38.652
66.1	38.73
66.28	38.835
66.48	38.844
66.68	38.779
66.88	38.653
67.08	38.466
67.28	38.229
67.48	37.96
67.68	37.655
67.864	37.346
68.	37.103
68.02	37.069
68.04	37.036
68.1	36.948
68.28	36.736
68.48	36.539
68.68	36.367
68.88	36.213
69.08	36.073
69.28	35.943
69.48	35.822
69.68	

	35.708
69.88	35.6
70.	35.537
70.02	35.526
70.04	35.516
70.1	35.485
70.28	35.397
70.48	35.303
70.68	35.213
70.88	35.126
71.08	35.042
71.28	34.96
71.48	34.882
71.68	34.806
71.88	34.732
72.	34.688
72.02	34.681
72.04	34.673
72.1	34.652
72.28	34.589
72.48	34.521
72.68	34.454
72.88	34.389
73.08	34.326
73.28	34.264
73.48	34.203
73.68	34.144
73.88	34.086
74.	34.051
74.02	34.047
74.04	34.046
74.1	34.054
74.22	34.112
74.42	34.286
74.603	34.496
74.787	34.748
74.987	35.067
75.187	35.423
75.387	35.814
75.587	36.237
75.787	36.69
75.893	36.94
76.	37.197
76.02	37.244
76.04	37.289
76.1	37.413
76.28	37.725
76.48	38.026
76.68	38.297
76.88	38.546
77.08	38.777
77.28	38.995
77.48	39.202
77.68	39.408
77.88	39.621
78.	39.746
78.02	39.767
78.04	39.787
78.1	39.848
78.28	40.024
78.48	

	40.212
78.68	40.394
78.88	40.57
79.08	40.741
79.28	40.906
79.48	41.068
79.68	41.225
79.88	41.378
80.	41.469
80.02	41.482
80.04	41.493
80.1	41.511
80.28	41.476
80.48	41.355
80.68	41.169
80.88	40.926
81.08	40.633
81.28	40.296
81.48	39.918
81.68	39.502
81.88	39.051
82.	38.768
82.02	38.722
82.04	38.679
82.1	38.558
82.28	38.286
82.48	38.044
82.68	37.832
82.88	37.643
83.08	37.471
83.28	37.313
83.48	37.166
83.68	37.028
83.88	36.899
84.	36.824
84.02	36.812
84.04	36.799
84.1	36.763
84.28	36.659
84.48	36.549
84.68	36.444
84.88	36.344
85.08	36.248
85.28	36.155
85.48	36.066
85.68	35.981
85.88	35.898
86.	35.849
86.02	35.841
86.04	35.833
86.1	35.809
86.28	35.74
86.48	35.665
86.68	35.592
86.88	35.521
87.08	35.452
87.28	35.386
87.48	35.32
87.68	35.257
87.88	35.195
88.	

	35.158
88.02	35.152
88.04	35.146
88.1	35.128
88.28	35.074
88.48	35.016
88.68	34.96
88.88	34.904
89.08	34.85
89.28	34.796
89.48	34.744
89.68	34.692
89.88	34.642
90.	34.612
90.02	34.607
90.04	34.602
90.1	34.587
90.28	34.543
90.48	34.495
90.68	34.447
90.88	34.429
91.08	34.424
91.28	34.42
91.48	34.415
91.68	34.41
91.88	34.405
92.	34.402
92.02	
92.04	34.401
92.1	34.4
92.22	34.422
92.42	34.479
92.602	34.697
92.784	34.987
92.984	35.353
93.184	35.761
93.384	36.206
93.584	36.686
93.784	37.198
93.892	37.484
94.	37.778
94.02	37.829
94.04	37.875
94.1	37.987
94.28	38.167
94.48	38.239
94.68	38.216
94.88	38.118
95.08	37.956
95.28	37.739
95.48	37.474
95.68	37.164
95.834	36.901
95.917	36.752
96.	36.596
96.02	36.561
96.04	36.527
96.1	36.437
96.28	36.228
96.48	36.04

96.68	35.881
96.88	35.741
97.08	35.617
97.28	35.504
97.48	35.4
97.68	35.304
97.88	35.214
98.	35.163
98.02	35.154
98.04	35.145
98.1	35.12
98.28	35.049
98.48	34.973
98.68	34.956
98.88	34.95
99.08	34.945
99.28	34.94
99.48	34.935
99.68	34.93
99.88	34.925
100.	34.922
100.02	34.921
100.04	
100.1	34.919
100.28	34.915
100.48	34.91
100.68	34.906
100.88	34.901
101.08	34.896
101.28	34.892
101.48	34.887
101.68	34.882
101.88	34.878
102.	34.875
102.02	
102.04	34.874
102.09	34.873
102.2	34.892
102.4	34.951
102.57	35.012
102.74	35.083
102.94	35.241
103.14	35.673
103.34	36.146
103.54	36.656
103.74	37.202
103.87	37.574
104.	37.96
104.02	38.014
104.04	38.065
104.1	38.186
104.28	38.384
104.48	38.467
104.68	38.449
104.88	38.35
105.08	38.183
105.28	37.958
105.48	37.681
105.68	37.356
105.83	37.08

105.92	36.923
106.	36.759
106.02	36.722
106.04	36.686
106.1	36.592
106.28	36.374
106.48	36.179
106.68	36.015
106.88	35.872
107.08	35.745
107.28	35.63
107.48	35.525
107.68	35.513
107.88	35.507
108.	35.503
108.02	
108.04	35.502
108.1	35.5
108.28	35.495
108.48	35.49
108.68	35.485
108.88	35.479
109.08	35.474
109.28	35.469
109.48	35.464
109.68	35.459
109.88	35.455
110.	35.452
110.02	35.451
110.04	
110.1	35.449
110.28	35.445
110.48	35.44
110.68	35.436
110.88	35.431
111.08	35.427
111.28	35.422
111.48	35.418
111.68	35.413
111.88	35.409
112.	35.406
112.02	
112.04	35.405
112.1	35.404
112.28	35.4
112.48	35.396
112.68	35.392
112.88	35.388
113.08	35.383
113.28	35.379
113.48	35.375
113.68	35.371
113.88	35.367
114.	35.365
114.02	35.364
114.04	
114.08	35.363
114.16	35.372
114.33	35.417
114.47	35.463

114.61	35.516
114.81	35.603
115.01	35.702
115.21	35.811
115.41	36.157
115.61	36.687
115.81	37.252
116.	37.818
116.02	37.873
116.04	37.924
116.1	38.047
116.28	38.25
116.48	38.339
116.68	38.325
116.88	38.231
117.08	38.07
117.28	37.849
117.48	37.576
117.68	37.256
117.83	36.986
117.92	36.83
118.	36.666
118.02	36.629
118.04	36.594
118.1	36.501
118.28	36.287
118.48	36.096
118.68	36.054
118.88	36.042
119.08	36.032
119.28	36.023
119.48	36.016
119.68	36.01
119.88	36.004
120.	36.001
120.02	36.
120.04	
120.1	35.998
120.28	35.993
120.48	35.988
120.68	35.983
120.88	35.979
121.08	35.974
121.28	35.969
121.48	35.965
121.68	35.96
121.88	35.956
122.	35.954
122.02	35.953
122.04	
122.1	35.951
122.28	35.948
122.48	35.944
122.68	35.94
122.88	35.936
123.08	35.932
123.28	35.928
123.48	35.924
123.68	35.92
123.88	35.916

124.	35.914
124.02	
124.04	35.913
124.1	35.912
124.28	35.909
124.48	35.905
124.68	35.902
124.88	35.898
125.08	35.894
125.28	35.891
125.48	35.887
125.68	35.884
125.88	35.88
126.	35.878
126.02	
126.04	
126.1	35.877
126.28	35.874
126.48	35.87
126.68	35.867
126.88	35.864
127.08	35.861
127.28	35.857
127.48	35.854
127.68	35.851
127.88	35.848
128.	35.846
128.02	
128.04	35.845
128.1	35.844
128.28	35.841
128.48	35.838
128.68	35.835
128.88	35.832
129.08	35.829
129.28	35.826
129.48	35.823
129.68	35.82
129.88	35.817
130.	35.816
130.02	35.815
130.04	
130.1	35.814
130.28	35.811
130.48	35.809
130.68	35.806
130.88	35.803
131.08	35.8
131.28	35.797
131.48	35.794
131.68	35.792
131.88	35.789
132.	35.787
132.02	
132.04	
132.1	35.786
132.28	35.783
132.48	35.781
132.68	35.778
132.88	35.775

133.08	35.773
133.28	35.77
133.48	35.767
133.68	35.765
133.88	35.762
134.	35.761
134.02	35.76
134.04	
134.1	35.759
134.28	35.757
134.48	35.754
134.68	35.752
134.88	35.749
135.08	35.747
135.28	35.744
135.48	35.742
135.68	35.739
135.88	35.737
136.	35.735
136.02	
136.04	
136.1	35.734
136.28	35.732
136.48	35.729
136.68	35.727
136.88	35.724
137.08	35.722
137.28	35.72
137.48	35.717
137.68	35.715
137.88	35.712
138.	35.711
138.02	
138.04	35.71
138.1	
138.28	35.708
138.48	35.705
138.68	35.703
138.88	35.7
139.08	35.698
139.28	35.695
139.48	35.693
139.68	35.69
139.88	35.688
140.	35.686
140.02	
140.04	35.685
140.1	
140.28	35.682
140.48	35.68
140.68	35.677
140.88	35.674
141.08	35.672
141.28	35.669
141.48	35.666
141.68	35.664
141.88	35.661
142.	35.659
142.02	
142.04	

142.1	35.658
142.28	35.656
142.48	35.653
142.68	35.65
142.88	35.648
143.08	35.645
143.28	35.643
143.48	35.64
143.68	35.638
143.88	35.636
144.	35.634
144.02	
144.04	
144.1	35.633
144.28	35.631
144.48	35.629
144.68	35.627
144.88	35.625
145.08	35.623
145.28	35.621
145.48	35.618
145.68	35.616
145.88	35.614
146.	35.613
146.02	
146.04	
146.1	35.612
146.28	35.61
146.48	35.608
146.68	35.606
146.88	35.603
147.08	35.601
147.28	35.599
147.48	35.597
147.68	35.594
147.88	35.592
148.	35.59
148.02	
148.04	
148.1	35.589
148.28	35.587
148.48	35.585
148.68	35.582
148.88	35.58
149.08	35.577
149.28	35.575
149.48	35.572
149.68	35.57
149.88	35.567
150.	35.566
150.02	
150.04	35.565
150.1	
150.28	35.562
150.48	35.56
150.68	35.557
150.88	35.555
151.08	35.552
151.28	35.55
151.48	35.547

151.68	35.545
151.88	35.542
152.	35.541
152.02	
152.04	35.54
152.1	
152.28	35.537
152.48	35.535
152.68	35.532
152.88	35.53
153.08	35.527
153.28	35.525
153.48	35.522
153.68	35.52
153.88	35.517
154.	35.516
154.02	35.515
154.04	
154.1	35.514
154.28	35.512
154.48	35.51
154.68	35.507
154.88	35.505
155.08	35.502
155.28	35.499
155.48	35.497
155.68	35.494
155.88	35.492
156.	35.49
156.02	
156.04	
156.1	35.489
156.28	35.487
156.48	35.484
156.68	35.482
156.88	35.479
157.08	35.511
157.18	35.576
157.27	35.662
157.37	35.764
157.55	36.013
157.75	36.325
157.88	36.533
158.	37.019
158.02	37.171
158.04	37.309
158.1	37.622
158.28	37.988
158.48	37.908
158.68	37.457
158.82	36.974
158.92	36.568
159.02	36.405
159.12	36.344
159.27	36.284
159.46	36.23
159.66	36.191
159.86	36.163
160.	36.147
160.01	36.146

160.02	36.145
160.05	36.143
160.14	36.135
160.24	36.128
160.34	36.123
160.44	36.118
160.54	36.113
160.64	36.109
160.74	36.106
160.84	36.103
160.94	36.101
161.	36.099
161.01	
161.02	
161.05	36.098
161.14	36.096
161.24	36.094
161.34	36.092
161.44	36.09
161.54	36.088
161.64	36.086
161.74	36.084
161.84	36.082
161.94	36.08
162.	36.078
162.01	
162.02	
162.05	36.077
162.14	36.076
162.24	36.073
162.34	36.071
162.44	36.069
162.54	36.067
162.64	36.065
162.74	36.063
162.84	36.061
162.94	36.059
163.	36.058
163.01	
163.02	
163.05	36.057
163.14	36.055
163.24	36.053
163.34	36.051
163.44	36.049
163.54	36.047
163.64	36.045
163.74	36.043
163.84	36.041
163.94	36.039
164.	36.038
164.01	
164.02	
164.05	36.037
164.14	36.035
164.24	36.033
164.34	36.031
164.44	36.029
164.54	36.027
164.64	36.026

164.74	36.024
164.84	36.022
164.94	36.02
165.	36.019
165.01	36.018
165.02	
165.05	
165.14	36.016
165.24	36.014
165.34	36.012
165.44	36.01
165.54	36.008
165.64	36.007
165.74	36.005
165.84	36.003
165.94	36.001
166.	36.
166.01	
166.02	35.999
166.05	
166.14	35.997
166.24	35.995
166.34	35.994
166.44	35.992
166.54	35.99
166.64	35.988
166.74	35.986
166.84	35.984
166.94	35.983
167.	35.982
167.01	35.981
167.02	
167.05	
167.14	35.979
167.24	35.977
167.34	35.975
167.44	35.974
167.54	35.972
167.64	35.97
167.74	35.968
167.84	35.967
167.94	35.965
168.	35.964
168.01	
168.02	35.963
168.05	
168.14	35.961
168.24	35.96
168.34	35.958
168.44	35.956
168.54	35.954
168.64	35.953
168.74	35.951
168.84	35.949
168.94	35.947
169.	35.946
169.01	
169.02	
169.03	
169.06	35.945

169.11	35.969
169.2	36.054
169.3	36.16
169.4	36.284
169.5	36.422
169.6	36.574
169.7	36.738
169.8	36.914
169.9	37.233
170.	38.108
170.01	38.194
170.02	38.276
170.05	38.49
170.14	38.914
170.24	39.184
170.34	39.295
170.44	39.275
170.54	39.144
170.64	38.914
170.74	38.596
170.84	38.198
170.94	37.738
171.	37.42
171.01	37.371
171.02	37.323
171.05	37.192
171.14	36.876
171.24	36.821
171.34	36.784
171.44	36.753
171.54	36.727
171.64	36.706
171.74	36.689
171.84	36.674
171.94	36.662
172.	36.656
172.01	36.655
172.02	36.654
172.05	36.651
172.14	36.643
172.24	36.636
172.34	36.63
172.44	36.625
172.54	36.62
172.64	36.616
172.74	36.613
172.84	36.61
172.94	36.607
173.	36.605
173.01	
173.02	
173.05	36.604
173.14	36.601
173.24	36.599
173.34	36.596
173.44	36.594
173.54	36.592
173.64	36.589
173.74	36.587
173.84	36.584

173.94	36.582
174.	36.581
174.01	36.58
174.02	
174.05	36.579
174.14	36.577
174.24	36.575
174.34	36.573
174.44	36.57
174.54	36.568
174.64	36.565
174.74	36.563
174.84	36.561
174.94	36.559
175.	36.557
175.01	
175.02	
175.03	36.556
175.06	
175.12	36.591
175.17	36.636
175.25	36.716
175.35	36.832
175.45	36.963
175.55	37.109
175.65	37.268
175.75	37.454
175.85	38.273
175.95	39.145
176.	39.554
176.01	39.64
176.02	39.721
176.05	39.931
176.14	40.345
176.24	40.603
176.34	40.702
176.44	40.669
176.54	40.525
176.64	40.282
176.74	39.951
176.84	39.54
176.94	39.066
177.	38.741
177.01	38.69
177.02	38.641
177.05	38.506
177.14	38.179
177.24	37.88
177.34	37.627
177.44	37.408
177.54	37.329
177.64	37.307
177.74	37.289
177.84	37.274
177.94	37.261
178.	37.254
178.01	37.253
178.02	37.252
178.05	37.249
178.14	37.241

178.24	37.234
178.34	37.227
178.44	37.221
178.54	37.216
178.64	37.211
178.74	37.207
178.84	37.203
178.94	37.2
179.	
179.01	37.198
179.02	
179.05	37.197
179.14	37.194
179.24	37.191
179.34	37.188
179.44	37.185
179.54	37.182
179.64	37.179
179.74	37.176
179.84	37.173
179.94	37.17
180.	37.169
180.01	
180.02	37.168
180.04	
180.07	37.177
180.14	37.224
180.21	37.281
180.27	37.347
180.37	37.465
180.47	37.598
180.57	37.745
180.67	38.103
180.77	38.859
180.87	39.674
180.94	40.22
181.	40.788
181.01	40.872
181.02	40.952
181.05	41.159
181.14	41.562
181.24	41.809
181.34	41.897
181.44	41.854
181.54	41.7
181.64	41.448
181.74	41.108
181.84	40.689
181.94	40.205
182.	39.877
182.01	39.825
182.02	39.775
182.05	39.638
182.14	39.304
182.24	38.997
182.34	38.736
182.44	38.509
182.54	38.307
182.64	38.127
182.74	37.963

182.84	37.872
182.94	37.859
183.	37.852
183.01	37.851
183.02	37.85
183.05	37.847
183.14	37.838
183.24	37.83
183.34	37.824
183.44	37.817
183.54	37.811
183.64	37.806
183.74	37.801
183.84	37.797
183.94	37.793
184.	37.791
184.01	
184.02	37.79
184.05	37.789
184.14	37.786
184.24	37.783
184.34	37.779
184.44	37.776
184.54	37.772
184.64	37.769
184.74	37.766
184.84	37.763
184.94	37.759
185.	37.757
185.01	
185.02	
185.05	37.756
185.14	37.753
185.24	37.75
185.34	37.747
185.44	37.744
185.54	37.741
185.64	37.738
185.74	37.734
185.84	37.731
185.94	37.728
186.	37.727
186.01	37.726
186.02	
186.05	37.725
186.14	37.722
186.24	37.719
186.34	37.716
186.44	37.713
186.54	37.711
186.64	37.708
186.74	37.705
186.84	37.702
186.94	37.699
187.	37.697
187.01	
187.02	
187.05	37.696
187.14	37.693
187.24	37.69

187.34	37.687
187.44	37.685
187.54	37.682
187.64	37.679
187.74	37.676
187.84	37.674
187.94	37.671
188.	37.669
188.01	
188.02	
188.03	37.668
188.06	37.667
188.12	37.707
188.19	37.756
188.27	37.845
188.37	37.963
188.47	38.097
188.57	38.245
188.67	38.406
188.77	38.834
188.87	39.662
188.94	40.206
189.	40.772
189.01	40.857
189.02	40.938
189.05	41.148
189.14	41.561
189.24	41.817
189.34	41.915
189.44	41.881
189.54	41.735
189.64	41.491
189.74	41.158
189.84	40.746
189.94	40.274
190.	39.945
190.01	39.894
190.02	39.845
190.05	39.71
190.14	39.381
190.24	39.08
190.34	38.825
190.44	38.604
190.54	38.427
190.64	38.405
190.74	38.387
190.84	38.371
190.94	38.358
191.	38.352
191.01	38.351
191.02	38.349
191.05	38.346
191.14	38.338
191.24	38.331
191.34	38.324
191.44	38.318
191.54	38.312
191.64	38.307
191.74	38.303
191.84	38.299

191.94	38.295
192.	38.293
192.01	
192.02	38.292
192.05	38.291
192.14	38.288
192.24	38.285
192.34	38.281
192.44	38.278
192.54	38.275
192.64	38.272
192.74	38.268
192.84	38.265
192.94	38.262
193.	38.26
193.01	
193.02	
193.05	38.259
193.14	38.256
193.24	38.253
193.34	38.25
193.44	38.247
193.54	38.244
193.64	38.241
193.74	38.238
193.84	38.235
193.94	38.232
194.	38.23
194.01	
194.02	
194.05	38.229
194.14	38.226
194.24	38.223
194.34	38.22
194.44	38.217
194.54	38.214
194.64	38.212
194.74	38.209
194.84	38.206
194.94	38.203
195.	38.201
195.01	
195.02	
195.05	38.2
195.14	38.197
195.24	38.195
195.34	38.192
195.44	38.189
195.54	38.186
195.64	38.184
195.74	38.181
195.84	38.178
195.94	38.176
196.	38.174
196.01	
196.02	38.173
196.05	
196.14	38.17
196.24	38.168
196.34	38.165

196.44	38.162
196.54	38.16
196.64	38.157
196.74	38.154
196.84	38.152
196.94	38.149
197.	38.148
197.01	
197.02	38.147
197.05	
197.14	38.144
197.24	38.142
197.34	38.139
197.44	38.137
197.54	38.134
197.64	38.132
197.74	38.129
197.84	38.127
197.94	38.124
198.	38.123
198.01	
198.02	38.122
198.03	
198.06	38.121
198.12	38.156
198.18	38.204
198.26	38.289
198.36	38.409
198.46	38.544
198.56	38.694
198.66	38.857
198.76	39.032
198.86	39.515
198.96	40.416
199.	40.776
199.01	40.866
199.02	40.954
199.05	41.205
199.14	41.866
199.24	42.522
199.34	43.118
199.44	43.67
199.54	44.185
199.64	44.669
199.74	45.129
199.84	45.566
199.94	45.984
200.	46.228
200.01	46.269
200.02	46.309
200.05	46.429
200.14	46.774
200.24	47.145
200.34	47.502
200.44	47.848
200.54	48.183
200.64	48.509
200.74	48.826
200.84	49.134
200.94	49.435

201.	49.612
201.01	49.642
201.02	49.672
201.05	49.759
201.14	50.018
201.24	50.299
201.34	50.574
201.44	50.844
201.54	51.109
201.64	51.368
201.74	51.624
201.84	51.875
201.94	52.121
202.	52.268
202.01	52.29
202.02	52.309
202.05	52.348
202.14	52.328
202.24	52.176
202.34	51.915
202.44	51.562
202.54	51.126
202.64	50.617
202.74	50.04
202.84	49.401
202.94	48.702
203.	48.263
203.01	48.192
203.02	48.122
203.05	47.928
203.14	47.436
203.24	46.966
203.34	46.554
203.44	46.185
203.54	45.85
203.64	45.544
203.74	45.261
203.84	44.999
203.94	44.755
204.	44.614
204.01	44.591
204.02	44.568
204.05	44.499
204.14	44.306
204.24	44.103
204.34	43.911
204.44	43.729
204.54	43.556
204.64	43.391
204.74	43.233
204.84	43.082
204.94	42.937
205.	42.853
205.01	42.839
205.02	42.825
205.05	42.783
205.14	42.663
205.24	42.534
205.34	42.411
205.44	42.291
205.54	

	42.175
205.64	42.063
205.74	41.955
205.84	41.85
205.94	41.748
206.	41.688
206.01	41.678
206.02	41.668
206.05	41.639
206.14	41.553
206.24	41.459
206.34	41.369
206.44	41.28
206.54	41.194
206.64	41.11
206.74	41.028
206.84	40.948
206.94	40.871
207.	40.824
207.01	40.819
207.02	40.817
207.05	40.828
207.11	40.917
207.21	41.203
207.31	41.587
207.4	42.061
207.5	42.635
207.6	43.285
207.7	44.004
207.8	44.786
207.9	45.627
208.	46.488
208.01	46.576
208.02	46.661
208.05	46.903
208.14	47.537
208.24	48.161
208.34	48.725
208.44	49.244
208.54	49.726
208.64	50.177
208.74	50.603
208.84	51.006
208.94	51.391
209.	51.615
209.01	51.65
209.02	51.682
209.05	51.757
209.14	51.837
209.24	51.785
209.34	51.614
209.44	51.343
209.54	50.982
209.64	50.54
209.74	50.025
209.84	49.441
209.94	48.793
210.	48.383
210.01	48.319
210.02	48.259
210.05	

	48.113
210.14	47.897
210.24	47.86
210.34	47.982
210.44	48.236
210.54	48.602
210.64	49.064
210.74	49.614
210.84	50.243
210.94	50.944
211.	51.389
211.01	51.462
211.02	51.532
211.05	51.731
211.14	52.243
211.24	52.743
211.34	53.192
211.44	53.604
211.54	53.986
211.64	54.345
211.74	54.684
211.84	55.006
211.94	55.313
212.	55.493
212.01	55.522
212.02	55.552
212.05	55.64
212.14	55.896
212.24	56.171
212.34	56.438
212.44	56.697
212.54	56.949
212.64	57.195
212.74	57.435
212.84	57.67
212.94	57.899
213.	58.035
213.01	58.058
213.02	58.081
213.05	58.148
213.14	58.345
213.24	58.561
213.34	58.772
213.44	58.979
213.54	59.183
213.64	59.383
213.74	59.58
213.84	59.774
213.94	59.965
214.	60.078
214.01	60.097
214.02	60.117
214.05	60.174
214.14	60.35
214.24	60.549
214.34	60.748
214.44	60.949
214.54	61.151
214.64	61.353
214.74	61.556
214.84	

	61.76
214.94	61.963
215.	62.085
215.01	62.105
215.02	62.126
215.05	62.185
215.14	62.359
215.24	62.547
215.34	62.731
215.44	62.911
215.54	63.088
215.64	63.262
215.74	63.434
215.84	63.603
215.94	63.77
216.	63.869
216.01	63.886
216.02	63.902
216.05	63.95
216.14	64.085
216.24	64.227
216.34	64.363
216.44	64.493
216.54	64.617
216.64	64.737
216.74	64.852
216.84	64.962
216.94	65.069
217.	65.131
217.01	65.142
217.02	65.152
217.05	65.186
217.14	65.296
217.24	65.426
217.34	65.562
217.44	65.703
217.54	65.848
217.64	65.996
217.74	66.147
217.84	66.301
217.94	66.457
218.	66.551
218.01	66.566
218.02	66.582
218.05	66.628
218.14	66.763
218.24	66.909
218.34	67.053
218.44	67.195
218.54	67.336
218.64	67.475
218.74	67.613
218.84	67.749
218.94	67.885
219.	67.965
219.01	67.976
219.02	67.985
219.05	67.989
219.14	67.862
219.24	67.586
219.34	

	67.199
219.44	66.718
219.54	66.152
219.64	65.512
219.74	64.803
219.84	64.03
219.94	63.198
220.	62.678
220.01	62.596
220.02	62.518
220.05	62.322
220.14	61.967
220.24	61.79
220.34	61.785
220.44	61.922
220.54	62.179
220.64	62.543
220.74	63.001
220.84	63.546
220.94	64.169
221.	64.57
221.01	64.635
221.02	64.698
221.05	64.874
221.14	65.317
221.24	65.739
221.34	66.111
221.44	66.447
221.54	66.755
221.64	67.04
221.74	67.307
221.84	67.558
221.94	67.797
222.	67.936
222.01	67.959
222.02	67.981
222.05	68.047
222.14	68.231
222.24	68.421
222.34	68.598
222.44	68.765
222.54	68.921
222.64	69.068
222.74	69.208
222.84	69.34
222.94	69.465
223.	69.538
223.01	69.55
223.02	69.562
223.05	69.599
223.14	69.711
223.24	69.834
223.34	69.957
223.44	70.079
223.54	70.2
223.64	70.319
223.74	70.437
223.84	70.554
223.94	70.669
224.	70.738
224.01	

	70.749
224.02	70.761
224.05	70.796
224.14	70.908
224.24	71.035
224.34	71.166
224.44	71.3
224.54	71.436
224.64	71.573
224.74	71.712
224.84	71.853
224.94	71.995
225.	72.081
225.01	72.095
225.02	72.109
225.05	72.15
225.14	72.269
225.24	72.395
225.34	72.517
225.44	72.635
225.54	72.751
225.64	72.863
225.74	72.974
225.84	73.082
225.94	73.188
226.	73.251
226.01	73.264
226.02	73.279
226.05	73.343
226.14	73.659
226.24	74.131
226.34	74.702
226.44	75.357
226.54	76.085
226.64	76.879
226.74	77.734
226.84	78.645
226.94	79.608
227.	80.204
227.01	80.301
227.02	80.397
227.05	80.669
227.14	81.399
227.24	82.132
227.34	82.807
227.44	83.437
227.54	84.031
227.64	84.594
227.74	85.132
227.84	85.648
227.94	86.143
228.	86.434
228.01	86.483
228.02	86.531
228.05	86.674
228.14	87.088
228.24	87.533
228.34	87.965
228.44	88.384
228.54	88.792
228.64	

		89.189
228.74		89.577
228.84		89.955
228.94		90.324
229.		90.543
229.01		90.577
229.02		90.609
229.05		90.685
229.14		90.784
229.24		90.767
229.34		90.646
229.44		90.435
229.54		90.144
229.64		89.782
229.74		89.353
229.84		88.864
229.94		88.317
230.		87.969
230.01		87.913
230.02		87.859
230.05		87.709
230.14		87.343
230.24		87.008
230.34		86.725
230.44		86.482
230.54		86.27
230.64		86.083
230.74		85.918
230.84		85.77
230.94		85.638
231.		85.564
231.01		85.554
231.02		85.547
231.05		
231.14		85.687
231.24		85.982
231.34		86.392
231.44		86.9
231.54		87.494
231.64		88.167
231.74		88.91
231.84		89.719
231.94		90.588
232.		91.132
232.01		91.218
232.02		91.299
232.05		91.511
232.14		91.923
232.24		92.175
232.34		92.266
232.44		92.224
232.54		92.069
232.64		91.815
232.74		91.472
232.84		91.05
232.94		90.553
233.		90.23
233.01		90.183
233.02		90.142
233.05		90.068

233.14	22.243	90.172
233.24	22.235	90.593
233.34	22.227	91.256
233.44	22.219	92.121
233.54	22.211	93.159
233.64	22.203	94.35
233.74	22.195	95.679
233.84	22.187	97.134
233.94	22.178	98.704
234.	22.173	99.687
234.01	22.172	99.842
234.02		99.99
234.05	22.169	100.37
234.14	22.162	101.1
234.24	22.153	101.54
234.34	22.145	101.68
234.44	22.136	101.57
234.54	22.127	101.26
234.64	22.119	100.76
234.74	22.11	100.1
234.84	22.101	99.295
234.94	22.093	98.351
235.	22.087	97.738
235.01	22.086	97.641
235.02		97.55
235.05	22.083	97.319
235.14	22.075	96.896
235.24	22.066	96.666
235.34	22.057	96.621
235.44	22.048	96.724
235.54	22.04	96.948
235.64	22.031	97.278
235.74	22.022	97.699
235.84	22.013	98.202
235.94	22.004	98.779
236.	21.998	99.15
236.01	21.997	99.21
236.02		99.269
236.05	21.994	99.434
236.14	21.986	99.861
236.24	21.977	100.28
236.34	21.968	100.66
236.44	21.958	101.01
236.54	21.949	101.34
236.64	21.94	101.65
236.74	21.931	101.94
236.84	21.922	102.22
236.94	21.912	102.5
237.	21.907	102.66
237.01	21.906	102.68
237.02	21.905	102.71
237.05	21.902	102.79
237.14	21.894	103.02
237.24	21.884	103.26
237.34	21.875	103.5
237.44	21.865	103.73
237.54	21.856	103.96
237.64	21.846	104.18
237.74	21.836	104.39
237.84	21.827	104.6

237.94	21.817	104.81
238.	21.811	104.93
238.01	21.81	104.95
238.02	21.809	104.97
238.05	21.806	105.
238.14	21.798	104.97
238.24	21.788	104.83
238.34	21.778	104.59
238.44	21.768	104.27
238.54	21.758	103.88
238.64	21.748	103.43
238.74	21.738	102.91
238.84	21.728	102.35
238.94	21.718	101.73
239.	21.712	101.34
239.01	21.711	101.28
239.02	21.71	101.22
239.05	21.708	101.04
239.14	21.699	100.61
239.24	21.689	100.19
239.34	21.679	99.821
239.44	21.669	99.492
239.54	21.658	99.193
239.64	21.648	98.919
239.74	21.638	98.665
239.84	21.628	98.43
239.94	21.618	98.21
240.	21.612	98.083
240.01	21.611	98.064
240.02	21.61	98.048
240.05	21.607	98.016
240.14	21.598	98.045
240.24	21.588	98.198
240.34	21.578	98.451
240.44	21.568	98.791
240.54	21.558	99.206
240.64	21.548	99.689
240.74	21.537	100.23
240.84	21.527	100.84
240.94	21.517	101.49
241.	21.511	101.91
241.01	21.51	101.97
241.02	21.509	102.04
241.05	21.506	102.22
241.14	21.497	102.7
241.24	21.486	103.16
241.34	21.476	103.57
241.44	21.466	103.94
241.54	21.455	104.29
241.64	21.445	104.61
241.74	21.434	104.91
241.84	21.424	105.19
241.94	21.413	105.46
242.	21.407	105.61
242.01	21.406	105.64
242.02	21.405	105.66
242.05	21.402	105.74
242.14	21.392	105.96
242.24	21.382	106.19
242.34	21.371	106.42
242.44		

	21.36	106.64
242.54	21.35	106.85
242.64	21.339	107.05
242.74	21.328	107.25
242.84	21.318	107.44
242.94	21.307	107.63
243.	21.301	107.74
243.01	21.3	107.76
243.02	21.299	107.78
243.05	21.295	107.83
243.14	21.286	107.99
243.24	21.275	108.16
243.34	21.264	108.33
243.44	21.254	108.5
243.54	21.243	108.66
243.64	21.232	108.81
243.74	21.221	108.97
243.84	21.211	109.12
243.94	21.2	109.27
244.	21.193	109.36
244.01	21.192	109.37
244.02	21.191	109.39
244.05	21.188	109.43
244.14	21.178	109.56
244.24	21.167	109.69
244.34	21.157	109.83
244.44	21.146	109.96
244.54	21.135	110.09
244.64	21.124	110.22
244.74	21.113	110.34
244.84	21.103	110.47
244.94	21.092	110.59
245.	21.085	110.66
245.01	21.084	110.67
245.02	21.083	
245.05	21.08	110.68
245.14	21.07	110.6
245.24	21.059	110.4
245.34	21.049	110.12
245.44	21.038	109.76
245.54	21.027	109.34
245.64	21.016	108.86
245.74	21.005	108.33
245.84	20.994	107.75
245.94	20.983	107.12
246.	20.977	106.73
246.01	20.976	106.66
246.02	20.975	106.6
246.05	20.972	106.42
246.14	20.962	105.97
246.24	20.951	105.53
246.34	20.94	105.14
246.44	20.929	104.78
246.54	20.919	104.46
246.64	20.908	104.15
246.74	20.897	103.87
246.84	20.886	103.6
246.94	20.876	103.35
247.	20.869	103.2
247.01	20.868	103.18

247.02	20.867	103.16
247.05	20.864	103.12
247.14	20.854	103.09
247.24	20.844	103.17
247.34	20.833	103.34
247.44	20.822	103.59
247.54	20.812	103.9
247.64	20.801	104.28
247.74	20.79	104.71
247.84	20.78	105.19
247.94	20.769	105.72
248.	20.762	106.05
248.01	20.761	106.1
248.02	20.76	106.15
248.05	20.757	106.27
248.14	20.748	106.46
248.24	20.737	106.51
248.34	20.726	106.44
248.44	20.715	106.27
248.54	20.705	106.
248.64	20.694	105.66
248.74	20.683	105.26
248.84	20.673	104.79
248.94	20.662	104.26
249.	20.656	103.93
249.01	20.654	103.87
249.02	20.653	103.82
249.05	20.65	103.67
249.14	20.641	103.3
249.24	20.63	102.93
249.34	20.619	102.61
249.44	20.609	102.32
249.54	20.598	102.05
249.64	20.588	101.8
249.74	20.577	101.57
249.84	20.567	101.35
249.94	20.556	101.14
250.	20.55	101.02
250.01	20.549	101.
250.02	20.548	100.98
250.05	20.545	100.92
250.14	20.535	100.74
250.24	20.525	100.56
250.34	20.514	100.38
250.44	20.504	100.21
250.54	20.494	100.04
250.64	20.484	99.874
250.74	20.473	99.715
250.84	20.463	99.559
250.94	20.453	99.407
251.	20.447	99.317
251.01	20.446	99.302
251.02	20.445	99.287
251.05	20.442	99.244
251.14	20.433	99.125
251.24	20.422	99.003
251.34	20.412	98.888
251.44	20.402	98.781
251.54	20.392	98.68
251.64	20.382	98.585
251.74		

	20.372	98.495
251.84	20.363	98.41
251.94	20.353	98.33
252.	20.347	98.284
252.01	20.346	98.276
252.02	20.345	98.268
252.05	20.342	98.244
252.14	20.333	98.17
252.24	20.323	98.086
252.34	20.313	98.001
252.44	20.304	97.917
252.54	20.294	97.832
252.64	20.284	97.747
252.74	20.275	97.663
252.84	20.265	97.58
252.94	20.256	97.497
253.	20.25	97.448
253.01	20.249	97.439
253.02	20.248	97.431
253.05	20.245	97.407
253.14	20.237	97.334
253.24	20.227	97.254
253.34	20.218	97.174
253.44	20.208	97.096
253.54	20.199	97.018
253.64	20.19	96.942
253.74	20.181	96.866
253.84	20.171	96.791
253.94	20.162	96.716
254.	20.157	96.672
254.01	20.156	96.666
254.02	20.155	96.662
254.05	20.152	96.664
254.14	20.144	96.762
254.24	20.135	96.961
254.34	20.126	97.234
254.44	20.117	97.569
254.54	20.108	97.959
254.64	20.099	98.4
254.74	20.09	98.886
254.84	20.082	99.414
254.94	20.073	99.981
255.	20.068	100.34
255.01	20.067	100.39
255.02	20.066	100.44
255.05	20.063	100.58
255.14	20.055	100.82
255.24	20.047	100.95
255.34	20.038	
255.44	20.029	100.87
255.54	20.021	100.7
255.64	20.012	100.45
255.74	20.004	100.15
255.84	19.995	99.787
255.94	19.987	99.37
256.	19.982	99.102
256.01	19.981	99.059
256.02	19.98	99.017
256.05	19.978	98.902
256.14	19.97	98.617

256.24	19.962	98.355
256.34	19.953	98.13
256.44	19.945	97.934
256.54	19.937	97.761
256.64	19.929	97.606
256.74	19.921	97.466
256.84	19.913	97.339
256.94	19.905	97.223
257.	19.9	97.157
257.01	19.899	97.146
257.02	19.898	97.135
257.05	19.896	97.102
257.14	19.889	97.008
257.24	19.881	96.907
257.34	19.873	96.81
257.44	19.866	96.716
257.54	19.858	96.627
257.64	19.85	96.54
257.74	19.843	96.456
257.84	19.835	96.375
257.94	19.828	96.297
258.	19.823	96.251
258.01	19.822	96.245
258.02		96.241
258.05	19.819	
258.14	19.813	96.335
258.24	19.805	96.528
258.34	19.798	96.795
258.44	19.79	97.124
258.54	19.783	97.509
258.64	19.776	97.943
258.74	19.768	98.422
258.84	19.761	98.943
258.94	19.754	99.504
259.	19.75	99.854
259.01	19.749	99.911
259.02	19.748	99.967
259.05	19.746	100.12
259.14	19.74	100.54
259.24	19.733	100.94
259.34	19.725	101.3
259.44	19.718	101.64
259.54	19.711	101.95
259.64	19.704	102.24
259.74	19.697	102.51
259.84	19.69	102.77
259.94	19.683	103.02
260.	19.679	103.16
260.01	19.678	103.19
260.02	19.677	103.21
260.05	19.675	103.28
260.14	19.669	103.48
260.24	19.662	103.7
260.34	19.655	103.91
260.44	19.648	104.11
260.54	19.641	104.31
260.64	19.635	104.5
260.74	19.628	104.68
260.84	19.621	104.86
260.94	19.614	105.04

261.	19.61	105.14
261.01	19.609	105.16
261.02		105.17
261.05	19.607	105.2
261.14	19.6	105.19
261.24	19.594	105.09
261.34	19.587	104.91
261.44	19.58	104.67
261.54	19.574	104.38
261.64	19.567	104.03
261.74	19.56	103.64
261.84	19.554	103.2
261.94	19.547	102.72
262.	19.543	102.42
262.01		102.37
262.02	19.542	102.33
262.05	19.54	102.22
262.14	19.534	102.05
262.24	19.528	102.
262.34	19.522	102.05
262.44	19.515	102.21
262.54	19.509	102.43
262.64	19.502	102.73
262.74	19.496	103.09
262.84	19.49	103.5
262.94	19.484	103.96
263.	19.48	104.26
263.01	19.479	104.3
263.02		104.35
263.05	19.477	104.45
263.14	19.471	104.62
263.24	19.465	104.67
263.34	19.459	104.61
263.44	19.452	104.45
263.54	19.446	104.22
263.64	19.44	103.93
263.74	19.434	103.58
263.84	19.428	103.17
263.94	19.421	102.71
264.	19.418	102.42
264.01	19.417	102.37
264.02		102.33
264.05	19.415	102.2
264.14	19.409	101.89
264.24	19.403	101.61
264.34	19.397	101.36
264.44	19.391	101.16
264.54	19.385	100.97
264.64	19.379	100.81
264.74	19.373	100.67
264.84	19.367	100.55
264.94	19.361	100.44
265.	19.357	100.37
265.01		100.36
265.02	19.356	100.35
265.05	19.355	100.32
265.14	19.349	100.24
265.24	19.343	100.17
265.34	19.337	100.09
265.44	19.332	100.03

265.54	19.326	99.975
265.64	19.32	99.927
265.74	19.314	99.885
265.84	19.308	99.85
265.94	19.303	99.822
266.	19.299	99.806
266.01		99.804
266.02	19.298	99.801
266.05	19.296	99.792
266.14	19.291	99.758
266.24	19.285	99.716
266.34	19.28	99.67
266.44	19.274	99.622
266.54	19.268	99.572
266.64	19.263	99.52
266.74	19.257	99.467
266.84	19.252	99.412
266.94	19.246	99.356
267.	19.243	99.322
267.01	19.242	99.318
267.02		99.316
267.05	19.24	99.324
267.14	19.235	99.445
267.24	19.229	99.672
267.34	19.224	99.974
267.44	19.218	100.34
267.54	19.213	100.77
267.64	19.208	101.24
267.74	19.202	101.76
267.84	19.197	102.32
267.94	19.191	102.92
268.	19.188	103.3
268.01	19.187	103.36
268.02		103.42
268.05	19.185	103.59
268.14	19.18	104.03
268.24	19.175	104.46
268.34	19.17	104.86
268.44	19.164	105.21
268.54	19.159	105.55
268.64	19.153	105.86
268.74	19.148	106.15
268.84	19.143	106.43
268.94	19.137	106.69
269.	19.134	106.85
269.01		106.87
269.02	19.133	106.9
269.05	19.131	106.97
269.14	19.127	107.19
269.24	19.121	107.42
269.34	19.116	107.65
269.44	19.111	107.86
269.54	19.105	108.07
269.64	19.1	108.28
269.74	19.095	108.47
269.84	19.09	108.67
269.94	19.084	108.85
270.	19.081	108.96
270.01		108.98
270.02	19.08	108.99

270.05	19.079	109.03
270.14	19.074	109.02
270.24	19.069	108.92
270.34	19.064	108.74
270.44	19.058	108.49
270.54	19.053	108.19
270.64	19.048	107.83
270.74	19.043	107.42
270.84	19.038	106.97
270.94	19.033	106.48
271.	19.03	106.17
271.01	19.029	106.12
271.02		106.07
271.05	19.027	105.96
271.14	19.023	105.81
271.24	19.018	105.8
271.34	19.013	105.92
271.44	19.008	106.14
271.54	19.003	106.45
271.64	18.998	106.85
271.74	18.993	107.31
271.84	18.988	107.84
271.94	18.983	108.44
272.	18.98	108.81
272.01		108.87
272.02	18.979	108.93
272.05	18.978	109.07
272.14	18.973	109.34
272.24	18.968	109.49
272.34	18.964	109.52
272.44	18.959	109.46
272.54	18.954	109.32
272.64	18.949	109.1
272.74	18.944	108.83
272.84	18.939	108.5
272.94	18.934	108.11
273.	18.931	107.86
273.01		107.82
273.02	18.93	107.79
273.05	18.929	107.7
273.14	18.924	107.59
273.24	18.92	107.6
273.34	18.915	107.71
273.44	18.91	107.9
273.54	18.905	108.17
273.64	18.9	108.49
273.74	18.895	108.88
273.84	18.891	109.31
273.94	18.886	109.79
274.	18.883	110.09
274.01	18.882	110.14
274.02		110.19
274.05	18.88	110.34
274.14	18.876	110.75
274.24	18.871	111.18
274.34	18.866	111.61
274.44	18.861	112.03
274.54	18.857	112.45
274.64	18.852	112.86
274.74	18.847	113.28

274.84	18.842	113.7
274.94	18.837	114.11
275.	18.834	114.36
275.01		114.4
275.02	18.833	114.44
275.05	18.832	114.53
275.14	18.827	114.69
275.24	18.822	114.74
275.34	18.817	114.7
275.44	18.812	114.57
275.54	18.807	114.37
275.64	18.802	114.11
275.74	18.797	113.79
275.84	18.792	113.41
275.94	18.788	112.99
276.	18.785	112.72
276.01	18.784	112.67
276.02		112.63
276.05	18.782	112.52
276.14	18.778	112.28
276.24	18.773	112.09
276.34	18.768	111.96
276.44	18.763	111.88
276.54	18.758	111.84
276.64	18.753	111.83
276.74	18.748	111.85
276.84	18.743	111.89
276.94	18.738	111.96
277.	18.736	112.01
277.01	18.735	112.02
277.02		
277.05	18.733	112.06
277.14	18.729	112.19
277.24	18.724	112.37
277.34	18.719	112.59
277.44	18.714	112.83
277.54	18.709	113.08
277.64	18.704	113.36
277.74	18.7	113.66
277.84	18.695	113.97
277.94	18.69	114.29
278.	18.687	114.49
278.01	18.686	114.52
278.02		114.56
278.05	18.684	114.68
278.14	18.68	115.15
278.24	18.675	115.77
278.34	18.67	116.48
278.44	18.665	117.26
278.54	18.66	118.1
278.64	18.655	119.
278.74	18.65	119.96
278.84	18.645	120.97
278.94	18.64	122.03
279.	18.637	122.68
279.01		122.79
279.02	18.636	122.9
279.05	18.635	123.26
279.14	18.63	124.44
279.24	18.625	125.88

279.34	18.62	127.43
279.44	18.615	129.07
279.54	18.609	130.79
279.64	18.604	132.6
279.74	18.599	134.48
279.84	18.593	136.43
279.94	18.588	138.45
280.	18.584	139.69
280.01		139.89
280.02	18.583	140.09
280.05	18.582	140.69
280.14	18.577	142.4
280.24	18.571	144.25
280.34	18.565	146.05
280.44	18.559	147.83
280.54	18.553	149.59
280.64	18.547	151.34
280.74	18.541	153.08
280.84	18.535	154.81
280.94	18.529	156.54
281.	18.525	157.57
281.01		157.74
281.02	18.524	157.91
281.05	18.522	158.42
281.14	18.516	159.89
281.24	18.51	161.49
281.34	18.504	163.05
281.44	18.497	164.59
281.54	18.49	166.11
281.64	18.483	167.6
281.74	18.477	169.08
281.84	18.47	170.55
281.94	18.463	172.
282.	18.458	172.87
282.01		173.01
282.02	18.457	173.15
282.05	18.455	173.57
282.14	18.448	174.72
282.24	18.441	175.93
282.34	18.434	177.07
282.44	18.426	178.15
282.54	18.419	179.18
282.64	18.411	180.17
282.74	18.403	181.11
282.84	18.395	182.02
282.94	18.387	182.89
283.	18.382	183.41
283.01		183.49
283.02	18.381	183.59
283.05	18.378	183.9
283.14	18.371	185.07
283.24	18.363	186.57
283.34	18.354	188.24
283.44	18.346	190.04
283.54	18.337	191.97
283.64	18.328	194.
283.74	18.319	196.12
283.84	18.31	198.34
283.94	18.301	200.63
284.	18.295	202.03

284.01	18.294	202.26
284.02	18.293	202.49
284.05	18.29	203.14
284.14	18.282	204.91
284.24	18.272	206.73
284.34	18.262	208.42
284.44	18.252	210.01
284.54	18.241	211.52
284.64	18.231	212.97
284.74	18.22	214.36
284.84	18.209	215.69
284.94	18.198	216.98
285.	18.192	217.73
285.01	18.19	217.86
285.02	18.189	217.98
285.05	18.186	218.36
285.14	18.176	219.48
285.24	18.164	220.71
285.34	18.152	221.92
285.44	18.14	223.11
285.54	18.128	224.29
285.64	18.115	225.45
285.74	18.103	226.59
285.84	18.09	227.71
285.94	18.077	228.83
286.	18.069	229.49
286.01	18.068	229.6
286.02	18.066	229.71
286.05	18.062	230.04
286.14	18.05	231.01
286.24	18.037	232.08
286.34	18.023	233.13
286.44	18.009	234.17
286.54	17.995	235.19
286.64	17.98	236.21
286.74	17.965	237.21
286.84	17.951	238.19
286.94	17.935	239.17
287.	17.926	239.75
287.01	17.925	239.85
287.02	17.923	239.95
287.05	17.919	240.26
287.14	17.905	241.3
287.24	17.889	242.54
287.34	17.873	243.85
287.44	17.857	245.22
287.54	17.84	246.64
287.64	17.824	248.1
287.74	17.807	249.6
287.84	17.79	251.14
287.94	17.772	252.71
288.	17.762	253.66
288.01	17.76	253.82
288.02	17.758	253.96
288.05	17.753	254.37
288.14	17.737	255.33
288.24	17.719	256.14
288.34	17.7	256.74
288.44	17.682	257.19
288.54	17.663	257.48
288.64		

	17.644	257.65
288.74	17.625	257.7
288.84	17.605	257.64
288.94	17.585	257.48
289.	17.574	257.36
289.01	17.572	257.34
289.02	17.57	257.33
289.05	17.564	
289.14	17.545	257.53
289.24	17.525	257.96
289.34	17.504	258.53
289.44	17.484	259.22
289.54	17.463	260.01
289.64	17.441	260.89
289.74	17.42	261.83
289.84	17.398	262.84
289.94	17.376	263.9
290.	17.363	264.56
290.01	17.361	264.67
290.02	17.358	264.79
290.05	17.352	265.13
290.14	17.332	266.22
290.24	17.309	267.49
290.34	17.286	268.83
290.44	17.263	270.22
290.54	17.24	271.65
290.64	17.216	273.13
290.74	17.192	274.66
290.84	17.168	276.22
290.94	17.144	277.82
291.	17.129	278.8
291.01	17.127	278.96
291.02	17.125	279.11
291.05	17.117	279.58
291.14	17.095	280.88
291.24	17.07	282.24
291.34	17.045	283.55
291.44	17.019	284.81
291.54	16.993	286.03
291.64	16.968	287.22
291.74	16.941	288.38
291.84	16.915	289.52
291.94	16.888	290.63
292.	16.872	291.3
292.01	16.869	291.41
292.02	16.867	291.52
292.05	16.859	291.85
292.14	16.834	292.83
292.24	16.807	293.91
292.34	16.779	294.98
292.44	16.751	296.04
292.54	16.723	297.1
292.64	16.695	298.14
292.74	16.667	299.18
292.84	16.638	300.2
292.94	16.609	301.22
293.	16.592	301.83
293.01	16.589	301.94
293.02	16.586	302.04
293.05	16.577	302.39

293.14	16.551	303.56
293.24	16.521	305.01
293.34	16.491	306.57
293.44	16.461	308.23
293.54	16.431	309.97
293.64	16.4	311.79
293.74	16.37	313.67
293.84	16.339	315.61
293.94	16.308	317.62
294.	16.289	318.84
294.01	16.286	319.03
294.02	16.283	319.23
294.05	16.273	319.77
294.14	16.245	321.13
294.24	16.213	322.41
294.34	16.181	323.5
294.44	16.149	324.43
294.54	16.116	325.23
294.64	16.084	325.91
294.74	16.051	326.49
294.84	16.018	326.98
294.94	15.984	327.38
295.	15.964	327.59
295.01	15.961	327.63
295.02	15.958	327.68
295.05	15.947	327.87
295.14	15.917	328.77
295.24	15.883	330.05
295.34	15.849	331.57
295.44	15.815	333.27
295.54	15.78	335.14
295.64	15.745	337.14
295.74	15.71	339.27
295.84	15.675	341.52
295.94	15.639	343.86
296.	15.618	345.31
296.01	15.614	345.54
296.02	15.611	345.77
296.05	15.6	346.41
296.14	15.568	348.02
296.24	15.532	349.53
296.34	15.495	350.82
296.44	15.459	351.94
296.54	15.422	352.92
296.64	15.385	353.76
296.74	15.347	354.5
296.84	15.31	355.13
296.94	15.272	355.68
297.	15.249	355.97
297.01	15.246	356.03
297.02	15.242	356.09
297.05	15.23	356.31
297.14	15.196	357.26
297.24	15.158	358.57
297.34	15.119	360.08
297.44	15.08	361.75
297.54	15.041	363.55
297.64	15.002	365.47
297.74	14.962	367.5
297.84	14.923	369.62
297.94		

	14.883	371.83
298.	14.859	373.18
298.01	14.855	373.4
298.02	14.851	373.61
298.05	14.838	374.19
298.14	14.802	375.57
298.24	14.761	376.77
298.34	14.721	377.71
298.44	14.679	378.44
298.54	14.638	378.98
298.64	14.597	379.36
298.74	14.555	379.6
298.84	14.513	379.71
298.94	14.471	379.7
299.	14.445	
299.01	14.441	379.65
299.02	14.437	
299.05	14.424	379.69
299.14	14.386	380.06
299.24	14.343	380.67
299.34	14.3	381.43
299.44	14.257	382.32
299.54	14.213	383.32
299.64	14.17	384.39
299.74	14.126	385.54
299.84	14.082	386.76
299.94	14.037	388.04
300.	14.011	388.82
300.01	14.006	388.95
300.02	14.002	389.08
300.05	13.989	389.46
300.14	13.948	390.55
300.24	13.903	391.73
300.34	13.858	392.88
300.44	13.813	394.02
300.54	13.768	395.15
300.64	13.722	396.27
300.74	13.676	397.38
300.84	13.63	398.49
300.94	13.584	399.59
301.	13.556	400.25
301.01	13.551	400.36
301.02	13.546	400.48
301.05	13.532	400.86
301.14	13.49	402.19
301.24	13.443	403.86
301.34	13.396	405.68
301.44	13.349	407.62
301.54	13.301	409.68
301.64	13.253	411.83
301.74	13.205	414.07
301.84	13.157	416.39
301.94	13.108	418.79
302.	13.079	420.26
302.01	13.074	420.5
302.02	13.069	420.73
302.05	13.054	421.42
302.14	13.01	423.28
302.24	12.961	425.19
302.34	12.912	426.98

302.44	12.862	428.68
302.54	12.812	430.3
302.64	12.762	431.84
302.74	12.711	433.34
302.84	12.661	434.78
302.94	12.61	436.17
303.	12.579	436.99
303.01	12.574	437.13
303.02	12.569	437.25
303.05	12.554	437.61
303.14	12.507	438.47
303.24	12.456	439.2
303.34	12.404	439.77
303.44	12.352	440.18
303.54	12.3	440.46
303.64	12.248	440.63
303.74	12.195	440.68
303.84	12.143	440.63
303.94	12.09	440.49
304.	12.058	440.37
304.01	12.053	440.36
304.02	12.047	440.35
304.05	12.031	440.33
304.14	11.983	440.45
304.24	11.93	440.72
304.34	11.876	441.09
304.44	11.823	441.53
304.54	11.769	442.03
304.64	11.715	442.58
304.74	11.66	443.18
304.84	11.606	443.81
304.94	11.551	444.47
305.	11.518	444.87
305.01	11.513	444.95
305.02	11.507	445.02
305.05	11.491	445.31
305.14	11.442	446.5
305.24	11.386	448.14
305.34	11.331	450.03
305.44	11.276	452.14
305.54	11.22	454.44
305.64	11.164	456.91
305.74	11.108	459.54
305.84	11.052	462.3
305.94	10.995	465.2
306.	10.961	466.98
306.01	10.956	467.27
306.02	10.95	467.55
306.05	10.933	468.3
306.14	10.882	470.1
306.24	10.825	471.65
306.34	10.767	472.86
306.44	10.71	473.8
306.54	10.652	474.5
306.64	10.594	475.
306.74	10.536	475.33
306.84	10.477	475.49
306.94	10.419	475.51
307.	10.383	475.47
307.01	10.378	475.46
307.02		

	10.372	
307.05	10.354	475.42
307.14	10.301	475.2
307.24	10.242	474.84
307.34	10.183	474.37
307.44	10.123	473.8
307.54	10.063	473.13
307.64	10.004	472.38
307.74	9.9437	471.53
307.84	9.8837	470.6
307.94	9.8235	469.6
308.	9.7874	468.97
308.01	9.7814	468.87
308.02	9.7753	468.77
308.05	9.7573	468.53
308.14	9.7029	468.1
308.24	9.6424	467.86
308.34	9.5817	467.82
308.44	9.521	467.94
308.54	9.4602	468.18
308.64	9.3992	468.53
308.74	9.3381	468.98
308.84	9.277	469.51
308.94	9.2157	470.12
309.	9.1789	470.51
309.01	9.1727	470.57
309.02	9.1666	470.63
309.05	9.1482	470.79
309.14	9.0928	471.11
309.24	9.0312	471.35
309.34	8.9694	471.5
309.44	8.9076	471.58
309.54	8.8456	471.59
309.64	8.7835	471.56
309.74	8.7213	471.47
309.84	8.659	471.35
309.94	8.5966	471.19
310.	8.5591	471.09
310.01	8.5529	471.07
310.02	8.5466	471.06
310.05	8.5279	471.05
310.14	8.4715	471.17
310.24	8.4088	471.45
310.34	8.3459	471.84
310.44	8.283	472.32
310.54	8.22	472.88
310.64	8.1569	473.5
310.74	8.0937	474.19
310.84	8.0304	474.93
310.94	7.967	475.72
311.	7.9289	476.21
311.01	7.9226	476.29
311.02	7.9162	476.37
311.05	7.8972	476.56
311.14	7.84	476.94
311.24	7.7764	477.18
311.34	7.7127	477.29
311.44	7.649	477.27
311.54	7.5851	477.17
311.64	7.5213	476.97
311.74		

	7.4573	476.71
311.84	7.3933	476.37
311.94	7.3293	475.97
312.	7.2908	475.71
312.01	7.2844	475.67
312.02	7.278	475.62
312.05	7.2588	475.49
312.14	7.2011	475.08
312.24	7.1369	474.61
312.34	7.0728	474.1
312.44	7.0086	473.57
312.54	6.9443	473.01
312.64	6.8801	472.43
312.74	6.8159	471.82
312.84	6.7517	471.18
312.94	6.6874	470.52
313.	6.6489	470.11
313.01	6.6425	470.05
313.02	6.636	469.99
313.05	6.6168	469.84
313.14	6.559	469.58
313.24	6.4948	469.46
313.34	6.4306	469.49
313.44	6.3664	469.63
313.54	6.3023	469.87
313.64	6.2381	470.2
313.74	6.174	470.6
313.84	6.1099	471.07
313.94	6.0459	471.6
314.	6.0074	471.93
314.01	6.001	471.99
314.02	5.9946	472.03
314.05	5.9754	472.13
314.14	5.9178	472.14
314.24	5.8538	471.89
314.34	5.7898	471.45
314.44	5.7259	470.85
314.54	5.6619	470.11
314.64	5.5981	469.24
314.74	5.5342	468.27
314.84	5.4705	467.2
314.94	5.4067	466.04
315.	5.3685	465.31
315.01	5.3621	465.2
315.02	5.3558	465.08
315.05	5.3367	464.79
315.14	5.2794	464.16
315.24	5.2158	463.69
315.34	5.1523	463.38
315.44	5.0889	463.22
315.54	5.0256	463.18
315.64	4.9623	463.23
315.74	4.8991	463.37
315.84	4.836	463.59
315.94	4.7729	463.88
316.	4.7351	464.08
316.01	4.7288	464.11
316.02	4.7225	464.15
316.05	4.7037	464.26
316.14	4.6471	464.63
316.24		

	4.5843	465.1
316.34	4.5216	465.62
316.44	4.4589	466.19
316.54	4.3964	466.81
316.64	4.3339	467.47
316.74	4.2716	468.17
316.84	4.2093	468.91
316.94	4.147	469.68
317.	4.1097	470.16
317.01	4.1035	470.23
317.02	4.0973	470.3
317.05	4.0787	470.46
317.14	4.0228	470.62
317.24	3.9608	470.52
317.34	3.899	470.19
317.44	3.8372	469.68
317.54	3.7755	469.01
317.64	3.7139	468.2
317.74	3.6524	467.26
317.84	3.591	466.21
317.94	3.5297	465.06
318.	3.493	464.33
318.01	3.4869	464.21
318.02	3.4808	464.09
318.05	3.4624	463.75
318.14	3.4075	462.76
318.24	3.3466	461.7
318.34	3.2859	460.65
318.44	3.2253	459.61
318.54	3.1648	458.57
318.64	3.1045	457.52
318.74	3.0443	456.47
318.84	2.9843	455.4
318.94	2.9245	454.32
319.	2.8886	453.67
319.01	2.8827	453.57
319.02	2.8767	453.48
319.05	2.8588	453.26
319.14	2.8052	453.02
319.24	2.7459	453.14
319.34	2.6867	453.57
319.44	2.6276	454.26
319.54	2.5688	455.18
319.64	2.51	456.3
319.74	2.4514	457.59
319.84	2.393	459.05
319.94	2.3347	460.66
320.	2.2998	461.67
320.01	2.2939	461.83
320.02	2.2881	461.99
320.05	2.2707	462.38
320.14	2.2185	463.12
320.24	2.1606	463.57
320.34	2.1028	463.73
320.44	2.0452	463.65
320.54	1.9876	463.38
320.64	1.9303	462.94
320.74	1.873	462.34
320.84	1.8159	461.62
320.94	1.759	460.78
321		

	1.7248	460.23
321.01	1.7191	460.14
321.02	1.7134	460.05
321.05	1.6964	459.81
321.14	1.6454	459.21
321.24	1.5888	458.62
321.34	1.5325	458.1
321.44	1.4762	457.62
321.54	1.4202	457.17
321.64	1.3643	456.75
321.74	1.3085	456.34
321.84	1.253	455.96
321.94	1.1976	455.58
322.	1.1645	455.36
322.01	1.1589	455.32
322.02	1.1534	455.27
322.05	1.1369	455.13
322.14	1.0873	454.53
322.24	1.0325	453.74
322.34	0.97787	452.83
322.44	0.92342	451.84
322.54	0.86915	450.77
322.64	0.81508	449.63
322.74	0.7612	448.43
322.84	0.70751	447.18
322.94	0.65402	445.87
323.	0.622	445.07
323.01	0.61666	444.95
323.02	0.61133	444.83
323.05	0.59534	444.52
323.14	0.54755	443.93
323.24	0.49464	443.59
323.34	0.44193	443.49
323.44	0.38941	443.6
323.54	0.33709	443.89
323.64	0.28496	444.33
323.74	0.23301	444.9
323.84	0.18126	445.6
323.94	0.12969	446.41
324.	9.8811e-002	446.94
324.01	9.3667e-002	447.02
324.02	8.8525e-002	447.11
324.05	7.3116e-002	447.33
324.14	2.7035e-002	447.85
324.24	-2.3992e-002	448.32
324.34	-7.4845e-002	448.71
324.44	-0.12552	449.04
324.54	-0.17603	449.32
324.64	-0.22637	449.56
324.74	-0.27654	449.77
324.84	-0.32655	449.96
324.94	-0.37639	450.12
325.	-0.40623	450.22
325.01	-0.4112	450.23
325.02	-0.41617	
325.05	-0.43106	450.19
325.14	-0.4756	449.78
325.24	-0.52492	449.01
325.34	-0.57406	448.
325.44	-0.62302	446.78

325.54	-0.6718	445.38
325.64	-0.72037	443.82
325.74	-0.76876	442.12
325.84	-0.81693	440.28
325.94	-0.8649	438.31
326.	-0.89361	437.09
326.01	-0.89839	436.89
326.02	-0.90317	436.7
326.05	-0.91749	436.15
326.14	-0.96029	434.71
326.24	-1.0076	433.31
326.34	-1.0547	432.04
326.44	-1.1016	430.88
326.54	-1.1482	429.81
326.64	-1.1946	428.8
326.74	-1.2408	427.85
326.84	-1.2867	426.95
326.94	-1.3324	426.1
327.	-1.3597	425.6
327.01	-1.3643	425.52
327.02	-1.3688	425.44
327.05	-1.3825	425.2
327.14	-1.4232	424.53
327.24	-1.4682	423.84
327.34	-1.5129	423.19
327.44	-1.5574	422.58
327.54	-1.6017	422.
327.64	-1.6458	421.46
327.74	-1.6896	420.94
327.84	-1.7332	420.45
327.94	-1.7766	419.99
328.	-1.8026	419.72
328.01	-1.8069	419.67
328.02	-1.8112	419.62
328.05	-1.8241	419.47
328.14	-1.8628	418.92
328.24	-1.9055	418.24
328.34	-1.948	417.56
328.44	-1.9903	416.87
328.54	-2.0323	416.13
328.64	-2.0741	415.37
328.74	-2.1157	414.58
328.84	-2.1571	413.77
328.94	-2.1982	412.93
329.	-2.2228	412.43
329.01	-2.2269	412.34
329.02	-2.231	412.26
329.05	-2.2433	412.02
329.14	-2.2799	411.35
329.24	-2.3203	410.64
329.34	-2.3605	409.97
329.44	-2.4004	409.32
329.54	-2.4402	408.69
329.64	-2.4796	408.07
329.74	-2.5188	407.47
329.84	-2.5578	406.87
329.94	-2.5965	406.29
330.	-2.6197	405.94
330.01	-2.6235	405.88
330.02	-2.6274	405.82
330.05		

	-2.6389	405.62
330.14	-2.6733	404.94
330.24	-2.7113	404.1
330.34	-2.749	403.19
330.44	-2.7864	402.23
330.54	-2.8236	401.23
330.64	-2.8605	400.18
330.74	-2.8971	399.1
330.84	-2.9335	397.99
330.94	-2.9697	396.85
331.	-2.9912	396.15
331.01	-2.9948	396.04
331.02	-2.9984	395.93
331.05	-3.0092	395.63
331.14	-3.0412	394.93
331.24	-3.0765	394.33
331.34	-3.1115	393.86
331.44	-3.1463	393.5
331.54	-3.1808	393.22
331.64	-3.215	393.03
331.74	-3.2489	392.9
331.84	-3.2826	392.83
331.94	-3.316	392.82
332.	-3.336	
332.01	-3.3393	392.84
332.02	-3.3426	
332.05	-3.3525	392.82
332.14	-3.3821	392.73
332.24	-3.4147	392.58
332.34	-3.447	392.4
332.44	-3.4791	392.21
332.54	-3.5108	391.99
332.64	-3.5424	391.77
332.74	-3.5736	391.55
332.84	-3.6046	391.32
332.94	-3.6353	391.09
333.	-3.6537	390.95
333.01	-3.6567	390.93
333.02	-3.6598	390.9
333.05	-3.6689	390.83
333.14	-3.6961	390.61
333.24	-3.7261	390.36
333.34	-3.7557	390.1
333.44	-3.7852	389.84
333.54	-3.8143	389.58
333.64	-3.8432	389.32
333.74	-3.8718	389.06
333.84	-3.9002	388.79
333.94	-3.9283	388.53
334.	-3.945	388.37
334.01	-3.9478	388.34
334.02	-3.9506	388.32
334.05	-3.9589	388.23
334.14	-3.9837	387.97
334.24	-4.011	387.65
334.34	-4.038	387.33
334.44	-4.0648	386.99
334.54	-4.0913	386.65
334.64	-4.1175	386.31
334.74	-4.1434	385.96

334.84	-4.1691	385.6
334.94	-4.1945	385.24
335.	-4.2097	385.02
335.01	-4.2122	384.99
335.02	-4.2147	384.95
335.05	-4.2223	384.85
335.14	-4.2447	384.56
335.24	-4.2693	384.24
335.34	-4.2937	383.94
335.44	-4.3178	383.65
335.54	-4.3416	383.37
335.64	-4.3652	383.1
335.74	-4.3885	382.82
335.84	-4.4115	382.56
335.94	-4.4343	382.3
336.	-4.4479	382.15
336.01	-4.4502	382.12
336.02	-4.4524	382.09
336.05	-4.4592	382.02
336.14	-4.4792	381.79
336.24	-4.5012	381.54
336.34	-4.523	381.29
336.44	-4.5445	381.04
336.54	-4.5658	380.8
336.64	-4.5868	380.56
336.74	-4.6076	380.32
336.84	-4.6281	380.08
336.94	-4.6484	379.85
337.	-4.6605	379.71
337.01	-4.6625	379.68
337.02	-4.6645	379.66
337.05	-4.6705	379.56
337.14	-4.6884	379.16
337.24	-4.7079	378.63
337.34	-4.7272	378.01
337.44	-4.7463	377.33
337.54	-4.7651	376.6
337.64	-4.7837	375.82
337.74	-4.8021	375.
337.84	-4.8202	374.14
337.94	-4.8381	373.24
338.	-4.8487	372.69
338.01	-4.8505	372.6
338.02	-4.8522	372.52
338.05	-4.8575	372.29
338.14	-4.8732	371.79
338.24	-4.8903	371.39
338.34	-4.9073	371.12
338.44	-4.9239	370.95
338.54	-4.9404	370.86
338.64	-4.9566	370.85
338.74	-4.9726	370.89
338.84	-4.9883	371.
338.94	-5.0038	371.15
339.	-5.0131	371.26
339.01	-5.0146	371.27
339.02	-5.0161	371.28
339.05	-5.0207	371.29
339.14	-5.0343	371.16
339.24	-5.0491	370.86
339.34		

	-5.0637	370.44
339.44	-5.0781	369.95
339.54	-5.0923	369.38
339.64	-5.1063	368.75
339.74	-5.12	368.06
339.84	-5.1336	367.33
339.94	-5.1469	366.56
340.	-5.1548	366.09
340.01	-5.1561	366.01
340.02	-5.1574	365.93
340.05	-5.1613	365.71
340.14	-5.1729	365.13
340.24	-5.1856	364.55
340.34	-5.1981	364.01
340.44	-5.2103	363.5
340.54	-5.2223	363.02
340.64	-5.2341	362.55
340.74	-5.2457	362.11
340.84	-5.2571	361.68
340.94	-5.2682	361.26
341.	-5.2748	361.01
341.01	-5.2759	360.97
341.02	-5.277	360.93
341.05	-5.2803	360.78
341.14	-5.2899	360.24
341.24	-5.3004	359.55
341.34	-5.3107	358.79
341.44	-5.3208	357.98
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341.64	-5.3402	356.22
341.74	-5.3496	355.28
341.84	-5.3588	354.3
341.94	-5.3678	353.3
342.	-5.3731	352.68
342.01	-5.374	352.59
342.02	-5.3749	352.49
342.05	-5.3775	352.24
342.14	-5.3852	351.67
342.24	-5.3935	351.22
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342.64	-5.4247	350.55
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342.84	-5.439	350.69
342.94	-5.4458	350.85
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343.01	-5.4505	350.98
343.02	-5.4512	350.99
343.05	-5.4531	351.03
343.14	-5.4589	351.07
343.24	-5.4652	351.05
343.34	-5.4712	351.
343.44	-5.477	350.92
343.54	-5.4826	350.82
343.64	-5.4881	350.7
343.74	-5.4933	350.58
343.84	-5.4984	350.45
343.94	-5.5032	350.31
344.	-5.5061	350.22
344.01		

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344.02	-5.507	350.19
344.05	-5.5084	350.12
344.14	-5.5124	349.81
344.24	-5.5167	349.36
344.34	-5.5208	348.83
344.44	-5.5247	348.24
344.54	-5.5284	347.6
344.64	-5.532	346.91
344.74	-5.5353	346.17
344.84	-5.5384	345.39
344.94	-5.5413	344.58
345.	-5.543	344.08
345.01	-5.5433	344.
345.02	-5.5436	343.92
345.05	-5.5444	343.72
345.14	-5.5466	343.29
345.24	-5.549	342.98
345.34	-5.5511	342.79
345.44	-5.553	342.7
345.54	-5.5548	342.69
345.64	-5.5563	342.75
345.74	-5.5576	342.88
345.84	-5.5588	343.06
345.94	-5.5597	343.29
346.	-5.5602	343.44
346.01	-5.5603	343.46
346.02	-5.5604	343.48
346.05	-5.5606	343.51
346.14	-5.5611	343.42
346.24	-5.5615	343.16
346.34	-5.5616	342.79
346.44		342.31
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346.64	-5.5611	341.14
346.74	-5.5605	340.47
346.84	-5.5598	339.74
346.94	-5.5589	338.97
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347.01	-5.5582	338.41
347.02	-5.5581	338.33
347.05	-5.5577	338.11
347.14	-5.5566	337.54
347.24	-5.5551	336.98
347.34	-5.5535	336.47
347.44	-5.5517	335.99
347.54	-5.5497	335.54
347.64	-5.5475	335.12
347.74	-5.5451	334.72
347.84	-5.5425	334.33
347.94	-5.5398	333.96
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348.02	-5.5375	333.67
348.05	-5.5366	333.58
348.14	-5.5338	333.42
348.24	-5.5305	333.32
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348.44	-5.5235	333.32
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348.74	-5.5115	333.69
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348.94	-5.5027	334.14
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349.05	-5.4977	334.37
349.14	-5.4933	334.32
349.24	-5.4884	334.11
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349.54	-5.4725	332.9
349.64	-5.467	332.36
349.74	-5.4612	331.76
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349.94	-5.4492	330.43
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350.01	-5.4449	329.93
350.02	-5.4443	329.86
350.05	-5.4424	329.67
350.14	-5.4367	329.15
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350.44	-5.4166	327.71
350.54	-5.4096	327.28
350.64	-5.4024	326.87
350.74	-5.3951	326.48
350.84	-5.3876	326.1
350.94	-5.38	325.73
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351.05	-5.3714	
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351.94	-5.2948	325.58
352.	-5.2892	
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352.02	-5.2873	
352.05	-5.2845	325.57
352.14	-5.276	325.53
352.24	-5.2663	325.47
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352.64	-5.2261	325.11
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352.84	-5.2051	324.87
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353.	-5.1879	324.66
353.01	-5.1868	324.65
353.02	-5.1858	324.64
353.05	-5.1825	324.62

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353.24	-5.1614	324.57
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353.64	-5.1152	324.68
353.74	-5.1033	324.75
353.84	-5.0913	324.82
353.94	-5.0791	324.9
354.	-5.0717	324.96
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354.02	-5.0692	324.97
354.05	-5.0655	324.99
354.14	-5.0543	325.04
354.24	-5.0416	325.08
354.34	-5.0288	325.12
354.44	-5.0159	325.15
354.54	-5.0029	325.18
354.64	-4.9897	325.21
354.74	-4.9764	325.23
354.84	-4.9629	325.25
354.94	-4.9493	325.27
355.	-4.9411	325.28
355.01	-4.9398	
355.02	-4.9384	
355.05	-4.9343	
355.14	-4.9218	325.25
355.24	-4.9078	325.2
355.34	-4.8937	325.13
355.44	-4.8795	325.06
355.54	-4.8651	324.97
355.64	-4.8506	324.87
355.74	-4.8359	324.76
355.84	-4.8211	324.65
355.94	-4.8062	324.52
356.	-4.7972	324.44
356.01	-4.7957	324.43
356.02	-4.7942	324.42
356.05	-4.7896	324.4
356.14	-4.776	324.37
356.24	-4.7606	324.35
356.34	-4.7451	324.36
356.44	-4.7295	324.38
356.54	-4.7137	324.42
356.64	-4.6978	324.47
356.74	-4.6817	324.53
356.84	-4.6655	324.6
356.94	-4.6492	324.69
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357.01	-4.6377	324.75
357.02	-4.6361	324.76
357.05	-4.6311	324.78
357.14	-4.6162	324.87
357.24	-4.5995	324.98
357.34	-4.5826	325.1
357.44	-4.5656	325.22
357.54	-4.5485	325.35
357.64	-4.5313	325.49
357.74	-4.514	325.63
357.84	-4.4965	325.78

357.94	-4.4789	325.94
358.	-4.4684	326.03
358.01	-4.4666	326.04
358.02	-4.4648	326.05
358.05	-4.4595	326.08
358.14	-4.4435	326.09
358.24	-4.4256	326.07
358.34	-4.4076	326.01
358.44	-4.3895	325.92
358.54	-4.3712	325.8
358.64	-4.3529	325.67
358.74	-4.3344	325.51
358.84	-4.3158	325.33
358.94	-4.2971	325.14
359.	-4.2859	325.02
359.01	-4.284	325.
359.02	-4.2821	324.99
359.05	-4.2765	324.96
359.14	-4.2594	324.93
359.24	-4.2404	324.95
359.34	-4.2212	325.
359.44	-4.2019	325.09
359.54	-4.1825	325.21
359.64	-4.163	325.34
359.74	-4.1434	325.5
359.84	-4.1236	325.68
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360.24	-4.0436	326.21
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360.44	-4.0029	326.24
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361.02	-3.8828	326.
361.05	-3.8765	325.99
361.14	-3.8576	325.96
361.24	-3.8364	325.93
361.34	-3.8152	325.91
361.44	-3.7939	325.89
361.54	-3.7725	325.88
361.64	-3.751	325.87
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361.84	-3.7078	325.84
361.94	-3.686	
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362.01	-3.6707	
362.02	-3.6685	
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362.24	-3.6202	
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363.	-3.4499	
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363.02	-3.4453	
363.05	-3.4385	
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363.24	-3.3951	
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363.54	-3.326	
363.64	-3.3028	
363.74	-3.2795	
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363.94	-3.2328	
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364.24	-3.1621	325.84
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364.64	-3.0669	
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364.84	-3.0188	325.88
364.94	-2.9947	325.89
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366.	-2.7351	325.94
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366.02	-2.7302	
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366.14	-2.7003	326.09
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366.64	-2.5751	327.28
366.74	-2.5499	327.6
366.84	-2.5247	327.93
366.94	-2.4994	328.29
367.	-2.4842	328.51
367.01	-2.4817	328.54

367.02	-2.4792	328.57
367.05	-2.4716	328.63
367.14	-2.4488	328.75
367.24	-2.4234	328.81
367.34	-2.398	
367.44	-2.3725	328.77
367.54	-2.347	328.69
367.64	-2.3215	328.58
367.74	-2.296	328.44
367.84	-2.2704	328.27
367.94	-2.2448	328.07
368.	-2.2294	327.94
368.01	-2.2268	327.92
368.02	-2.2243	327.91
368.05	-2.2166	327.87
368.14	-2.1935	327.81
368.24	-2.1677	327.78
368.34	-2.142	
368.44	-2.1162	327.8
368.54	-2.0903	327.83
368.64	-2.0644	327.89
368.74	-2.0385	327.95
368.84	-2.0125	328.03
368.94	-1.9864	328.13
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369.02	-1.9656	328.2
369.05	-1.9577	328.21
369.14	-1.9342	328.24
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369.44	-1.8555	328.2
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369.64	-1.8029	328.13
369.74	-1.7765	328.08
369.84	-1.7501	328.02
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370.02	-1.7025	327.89
370.05	-1.6946	327.88
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370.24	-1.6442	327.82
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370.74	-1.5111	327.74
370.84	-1.4844	327.73
370.94	-1.4577	327.72
371.	-1.4417	
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371.02	-1.4363	
371.05	-1.4283	327.71
371.14	-1.4042	327.66
371.24	-1.3774	327.6
371.34	-1.3506	327.53
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371.54	-1.2968	327.35
371.64	-1.2699	327.26

371.74	-1.243	327.15
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371.94	-1.189	326.94
372.	-1.1728	326.88
372.01	-1.1701	326.87
372.02	-1.1674	326.86
372.05	-1.1593	326.84
372.14	-1.135	326.82
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372.34	-1.0808	326.93
372.44	-1.0537	327.02
372.54	-1.0265	327.14
372.64	-0.99931	327.28
372.74	-0.9721	327.43
372.84	-0.94487	327.6
372.94	-0.91762	327.79
373.	-0.90126	327.91
373.01	-0.89853	327.92
373.02	-0.89581	327.94
373.05	-0.88762	327.97
373.14	-0.86305	328.01
373.24	-0.83574	328.02
373.34	-0.80841	328.
373.44	-0.78106	327.96
373.54	-0.75369	327.89
373.64	-0.72631	327.81
373.74	-0.69891	327.71
373.84	-0.67149	327.6
373.94	-0.64404	327.47
374.	-0.62757	327.39
374.01	-0.62482	327.38
374.02	-0.62208	327.37
374.05	-0.61384	327.35
374.14	-0.58911	327.32
374.24	-0.5616	327.31
374.34	-0.53407	327.32
374.44	-0.50651	327.34
374.54	-0.47893	327.38
374.64	-0.45131	327.43
374.74	-0.42367	327.49
374.84	-0.39599	327.56
374.94	-0.36828	327.63
375.	-0.35165	327.69
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375.02	-0.3461	327.7
375.05	-0.33778	327.72
375.14	-0.31279	327.77
375.24	-0.28499	327.82
375.34	-0.25717	327.87
375.44	-0.22932	327.92
375.54	-0.20144	327.96
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375.74	-0.14561	328.04
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377.14	0.2476	328.06
377.24	0.27586	328.03
377.34	0.30414	328.
377.44	0.33244	327.97
377.54	0.36077	327.94
377.64	0.38912	327.91
377.74	0.4175	327.87
377.84	0.44591	327.84
377.94	0.47434	327.8
378.	0.49141	327.78
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378.02	0.49709	
378.05	0.50563	
378.14	0.53126	327.84
378.24	0.55976	327.93
378.34	0.58828	328.04
378.44	0.61682	328.18
378.54	0.64538	328.33
378.64	0.67396	328.5
378.74	0.70255	328.69
378.84	0.73115	328.89
378.94	0.75976	329.11
379.	0.77693	329.24
379.01	0.77979	329.26
379.02	0.78265	329.28
379.05	0.79124	329.32
379.14	0.81701	329.42
379.24	0.84564	329.49
379.34	0.87427	329.54
379.44	0.90291	329.58
379.54	0.93154	329.59
379.64	0.96018	
379.74	0.98882	329.58
379.84	1.0175	329.55
379.94	1.0461	329.51
380.	1.0633	329.49
380.01	1.0661	329.48
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380.05	1.0776	329.47
380.14	1.1034	329.45
380.24	1.132	329.43
380.34	1.1606	329.41
380.44	1.1893	329.39
380.54	1.2179	329.37
380.64	1.2466	329.36
380.74	1.2753	329.34
380.84	1.3039	329.32
380.94	1.3326	329.3

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381.01	1.3527	329.28
381.02	1.3556	
381.05	1.3642	
381.14	1.39	
381.24	1.4187	329.27
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381.64	1.5337	329.3
381.74	1.5624	329.31
381.84	1.5912	329.32
381.94	1.62	329.33
382.	1.6372	329.34
382.01	1.6401	329.35
382.02	1.643	
382.05	1.6516	329.36
382.14	1.6775	329.41
382.24	1.7063	329.49
382.34	1.7351	329.57
382.44	1.7638	329.67
382.54	1.7926	329.77
382.64	1.8213	329.88
382.74	1.8501	330.01
382.84	1.8788	330.13
382.94	1.9076	330.27
383.	1.9248	330.35
383.01	1.9277	330.36
383.02	1.9305	330.38
383.05	1.9392	330.41
383.14	1.965	330.5
383.24	1.9937	330.6
383.34	2.0224	330.68
383.44	2.051	330.77
383.54	2.0797	330.84
383.64	2.1083	330.92
383.74	2.1369	330.99
383.84	2.1655	331.06
383.94	2.1941	331.12
384.	2.2112	331.16
384.01	2.2141	331.17
384.02	2.2169	
384.05	2.2255	331.19
384.14	2.2512	331.2
384.24	2.2797	331.21
384.34	2.3082	331.2
384.44	2.3367	331.18
384.54	2.3651	331.16
384.64	2.3936	331.12
384.74	2.422	331.08
384.84	2.4505	331.02
384.94	2.4789	330.97
385.	2.4959	330.93
385.01	2.4988	
385.02	2.5016	330.92
385.05	2.5101	330.94
385.14	2.5357	331.03
385.24	2.564	331.18
385.34	2.5924	331.37
385.44	2.6207	331.6

385.54	2.6491	331.86
385.64	2.6774	332.14
385.74	2.7056	332.45
385.84	2.7339	332.78
385.94	2.7621	333.13
386.	2.7791	333.35
386.01	2.7819	333.38
386.02	2.7847	333.41
386.05	2.7932	333.49
386.14	2.8185	333.64
386.24	2.8467	333.76
386.34	2.8748	333.84
386.44	2.9028	333.89
386.54	2.9309	333.91
386.64	2.9589	333.9
386.74	2.9868	333.87
386.84	3.0147	333.82
386.94	3.0426	333.75
387.	3.0593	333.7
387.01	3.0621	333.69
387.02	3.0649	
387.05	3.0732	333.67
387.14	3.0982	333.62
387.24	3.126	333.56
387.34	3.1537	333.5
387.44	3.1814	333.44
387.54	3.2091	333.37
387.64	3.2367	333.3
387.74	3.2643	333.23
387.84	3.2919	333.16
387.94	3.3195	333.08
388.	3.336	333.03
388.01	3.3388	333.02
388.02	3.3415	
388.05	3.3498	333.
388.14	3.3746	332.96
388.24	3.4021	332.92
388.34	3.4296	332.9
388.44	3.4571	332.87
388.54	3.4846	332.85
388.64	3.512	332.84
388.74	3.5395	332.83
388.84	3.5669	332.82
388.94	3.5943	
389.	3.6107	
389.01	3.6135	
389.02	3.6162	
389.05	3.6244	332.83
389.14	3.649	332.91
389.24	3.6763	333.03
389.34	3.7036	333.18
389.44	3.7309	333.34
389.54	3.7581	333.52
389.64	3.7853	333.72
389.74	3.8125	333.94
389.84	3.8396	334.17
389.94	3.8666	334.42
390.	3.8829	334.57
390.01	3.8856	334.59
390.02	3.8883	334.61

390.05	3.8964	334.66
390.14	3.9207	334.74
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390.34	3.9745	334.81
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390.54	4.0281	334.76
390.64	4.0549	334.7
390.74	4.0816	334.62
390.84	4.1083	334.52
390.94	4.1349	334.41
391.	4.1509	334.33
391.01	4.1535	334.32
391.02	4.1562	334.31
391.05	4.1642	334.29
391.14	4.1881	334.23
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391.64	4.3204	334.05
391.74	4.3468	334.03
391.84	4.3731	334.01
391.94	4.3995	334.
392.	4.4153	333.99
392.01	4.4179	
392.02	4.4206	
392.05	4.4285	333.98
392.14	4.4521	333.97
392.24	4.4785	333.96
392.34	4.5047	
392.44	4.531	333.95
392.54	4.5573	
392.64	4.5835	333.94
392.74	4.6098	
392.84	4.636	333.93
392.94	4.6622	
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393.14	4.7145	
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393.74	4.8712	
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395.	5.1984	
395.01	5.201	
395.02	5.2036	333.89
395.05	5.2114	
395.14	5.2347	
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395.64	5.3641	
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395.84	5.4158	333.91
395.94	5.4417	
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396.01	5.4598	
396.02	5.4624	333.92
396.05	5.4701	
396.14	5.4934	
396.24	5.5192	333.93
396.34	5.5451	333.94
396.44	5.5709	333.95
396.54	5.5968	333.96
396.64	5.6226	333.97
396.74	5.6485	
396.84	5.6744	333.98
396.94	5.7002	333.99
397.	5.7157	
397.01	5.7183	334.
397.02	5.7209	
397.05	5.7287	
397.14	5.7519	334.01
397.24	5.7778	
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397.64	5.8813	
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398.	5.9746	
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399.14	6.2704	
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400.01	6.4971	
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400.05	6.5075	
400.14	6.531	333.99
400.24	6.5571	333.94
400.34	6.5832	333.88
400.44	6.6094	333.82
400.54	6.6355	333.74
400.64	6.6617	333.66
400.74	6.6879	333.58
400.84	6.7141	333.51
400.94	6.7403	333.45
401.	6.756	333.42
401.01	6.7586	333.41
401.02	6.7613	
401.05	6.7691	333.39
401.14	6.7927	333.35
401.24	6.819	333.32
401.34	6.8453	333.3
401.44	6.8716	333.34
401.54	6.8979	333.41
401.64	6.9242	333.48
401.74	6.9506	333.57
401.84	6.9769	333.67
401.94	7.0033	333.78
402.	7.0191	333.85
402.01	7.0218	333.86
402.02	7.0244	333.87
402.05	7.0323	333.89
402.14	7.0561	333.93
402.24	7.0825	333.95
402.34	7.1089	333.96
402.44	7.1353	
402.54	7.1618	333.95
402.64	7.1882	333.93
402.74	7.2146	333.9
402.84	7.2411	333.86
402.94	7.2676	333.82
403.	7.2834	333.79
403.01	7.2861	333.78
403.02	7.2887	
403.05	7.2967	333.77
403.14	7.3205	333.75
403.24	7.347	333.73
403.34	7.3735	333.72
403.44	7.4	333.71
403.54	7.4265	333.7
403.64	7.4531	333.69
403.74	7.4796	
403.84	7.5062	333.68
403.94	7.5328	
404.	7.5487	

404.01	7.5514	
404.02	7.554	
404.05	7.562	
404.14	7.5859	333.67
404.24	7.6126	
404.34	7.6392	333.66
404.44	7.6658	
404.54	7.6925	333.65
404.64	7.7192	333.64
404.74	7.7459	
404.84	7.7726	333.63
404.94	7.7993	
405.	7.8153	
405.01	7.818	333.62
405.02	7.8207	
405.05	7.8287	
405.14	7.8528	333.61
405.24	7.8795	333.6
405.34	7.9063	333.58
405.44	7.9331	333.57
405.54	7.9599	333.56
405.64	7.9867	333.54
405.74	8.0135	333.53
405.84	8.0403	333.51
405.94	8.0672	333.5
406.	8.0833	
406.01	8.086	333.49
406.02	8.0886	
406.05	8.0967	333.48
406.14	8.1209	333.47
406.24	8.1478	333.45
406.34	8.1747	333.43
406.44	8.2016	333.41
406.54	8.2285	333.39
406.64	8.2554	333.36
406.74	8.2823	333.34
406.84	8.3093	333.32
406.94	8.3362	333.3
407.	8.3524	
407.01	8.3551	333.28
407.02	8.3578	
407.05	8.3659	333.27
407.14	8.3902	333.26
407.24	8.4172	333.24
407.34	8.4442	333.22
407.44	8.4712	333.21
407.54	8.4982	333.19
407.64	8.5253	333.18
407.74	8.5523	333.16
407.84	8.5794	333.15
407.94	8.6064	333.13
408.	8.6227	
408.01	8.6254	333.12
408.02	8.6281	
408.05	8.6362	
408.14	8.6606	333.11
408.24	8.6877	333.1
408.34	8.7148	333.09
408.44	8.742	333.08
408.54	8.7691	333.07

408.64	8.7963	333.06
408.74	8.8234	
408.84	8.8506	333.05
408.94	8.8778	
409.	8.8941	
409.01	8.8968	
409.02	8.8995	
409.05	8.9077	
409.14	8.9321	333.04
409.24	8.9593	
409.34	8.9866	
409.44	9.0138	333.03
409.54	9.041	
409.64	9.0683	
409.74	9.0955	333.02
409.84	9.1228	
409.94	9.15	
410.	9.1664	
410.01	9.1691	
410.02	9.1718	
410.05	9.18	
410.14	9.2046	333.01
410.24	9.2319	333.
410.34	9.2592	
410.44	9.2865	332.99
410.54	9.3138	332.98
410.64	9.3411	332.97
410.74	9.3684	332.96
410.84	9.3958	332.95
410.94	9.4231	332.94
411.	9.4395	
411.01	9.4423	
411.02	9.445	
411.05	9.4532	
411.14	9.4778	332.95
411.24	9.5052	332.98
411.34	9.5326	333.01
411.44	9.5599	333.05
411.54	9.5873	333.09
411.64	9.6147	333.14
411.74	9.6421	333.19
411.84	9.6695	333.25
411.94	9.6969	333.31
412.	9.7134	333.35
412.01	9.7161	333.36
412.02	9.7188	
412.05	9.7271	333.37
412.14	9.7517	333.38
412.24	9.7792	
412.34	9.8066	333.37
412.44	9.834	333.34
412.54	9.8614	333.31
412.64	9.8888	333.28
412.74	9.9163	333.23
412.84	9.9437	333.18
412.94	9.9711	333.12
413.	9.9876	333.09
413.01	9.9903	333.08
413.02	9.9931	
413.05	10.001	333.06

413.14	10.026	333.
413.24	10.053	332.95
413.34	10.081	332.91
413.44	10.108	332.86
413.54	10.136	332.82
413.64	10.163	332.78
413.74	10.191	332.74
413.84	10.218	332.71
413.94	10.246	332.67
414.	10.262	332.66
414.01	10.265	332.65
414.02	10.268	
414.05	10.276	332.64
414.14	10.301	332.62
414.24	10.328	332.59
414.34	10.356	332.56
414.44	10.383	332.54
414.54	10.411	332.51
414.64	10.438	332.49
414.74	10.466	332.46
414.84	10.494	332.43
414.94	10.521	332.4
415.	10.538	332.38
415.01	10.541	
415.02	10.543	
415.05	10.552	332.37
415.14	10.576	332.34
415.24	10.604	332.31
415.34	10.632	332.29
415.44	10.659	332.26
415.54	10.687	332.23
415.64	10.715	332.2
415.74	10.742	332.17
415.84	10.77	332.14
415.94	10.798	332.1
416.	10.814	332.09
416.01	10.817	332.08
416.02	10.82	
416.05	10.828	332.07
416.14	10.853	332.04
416.24	10.881	332.02
416.34	10.909	331.99
416.44	10.936	331.96
416.54	10.964	331.93
416.64	10.992	331.91
416.74	11.019	331.89
416.84	11.047	331.91
416.94	11.075	331.97
417.	11.092	332.03
417.01	11.094	332.04
417.02	11.097	332.05
417.05	11.105	332.07
417.14	11.13	332.12
417.24	11.158	332.17
417.34	11.186	332.21
417.44	11.213	332.25
417.54	11.241	332.28
417.64	11.269	332.3
417.74	11.297	332.33
417.84	11.324	332.35

417.94	11.352	332.36
418.	11.369	332.37
418.01	11.371	
418.02	11.374	
418.05	11.383	
418.14	11.407	332.34
418.24	11.435	332.28
418.34	11.463	332.21
418.44	11.491	332.14
418.54	11.518	332.07
418.64	11.546	332.02
418.74	11.574	331.97
418.84	11.601	331.92
418.94	11.629	331.88
419.	11.646	331.86
419.01	11.649	331.85
419.02	11.651	
419.05	11.66	331.84
419.14	11.685	331.81
419.24	11.712	331.78
419.34	11.74	331.76
419.44	11.768	331.74
419.54	11.796	331.71
419.64	11.824	331.69
419.74	11.851	331.66
419.84	11.879	331.64
419.94	11.907	331.62
420.	11.924	331.61
420.01	11.927	331.6
420.02	11.929	
420.05	11.938	
420.14	11.963	331.58
420.24	11.991	331.56
420.34	12.019	331.54
420.44	12.047	331.52
420.54	12.074	331.5
420.64	12.102	331.48
420.74	12.13	331.47
420.84	12.158	331.45
420.94	12.186	331.43
421.	12.203	331.41
421.01	12.206	
421.02	12.208	
421.05	12.217	331.4
421.14	12.242	331.38
421.24	12.27	331.36
421.34	12.298	331.34
421.44	12.326	331.32
421.54	12.354	331.29
421.64	12.382	331.27
421.74	12.409	331.25
421.84	12.437	331.23
421.94	12.465	331.21
422.	12.482	331.2
422.01	12.485	331.19
422.02	12.488	
422.05	12.496	
422.14	12.521	331.17
422.24	12.549	331.15
422.34	12.577	331.14

422.44	12.605	331.12
422.54	12.633	331.1
422.64	12.661	331.08
422.74	12.689	331.07
422.84	12.717	331.05
422.94	12.745	331.03
423.	12.762	331.01
423.01	12.764	
423.02	12.767	
423.05	12.775	331.
423.14	12.801	330.98
423.24	12.829	330.96
423.34	12.857	330.94
423.44	12.884	330.91
423.54	12.912	330.89
423.64	12.94	330.87
423.74	12.968	330.86
423.84	12.996	330.85
423.94	13.024	330.88
424.	13.041	330.92
424.01	13.044	330.93
424.02	13.047	
424.05	13.055	330.95
424.14	13.08	330.97
424.24	13.108	330.98
424.34	13.136	
424.44	13.164	330.96
424.54	13.192	330.94
424.64	13.22	330.91
424.74	13.248	330.88
424.84	13.276	330.86
424.94	13.304	330.84
425.	13.32	330.82
425.01	13.323	
425.02	13.326	
425.05	13.334	330.81
425.14	13.359	330.79
425.24	13.387	330.77
425.34	13.415	330.75
425.44	13.443	330.73
425.54	13.471	330.72
425.64	13.499	330.7
425.74	13.527	330.68
425.84	13.555	330.66
425.94	13.583	330.64
426.	13.599	330.63
426.01	13.602	
426.02	13.605	
426.05	13.613	330.62
426.14	13.639	330.6
426.24	13.666	330.58
426.34	13.694	330.55
426.44	13.722	330.53
426.54	13.75	330.5
426.64	13.778	330.48
426.74	13.806	330.45
426.84	13.834	330.43
426.94	13.862	330.41
427.	13.879	330.39
427.01	13.881	

427.02	13.884	
427.05	13.893	330.38
427.14	13.918	330.36
427.24	13.946	330.34
427.34	13.974	330.32
427.44	14.002	330.3
427.54	14.03	330.27
427.64	14.057	330.25
427.74	14.085	330.23
427.84	14.113	330.2
427.94	14.141	330.18
428.	14.158	330.16
428.01	14.161	
428.02	14.164	
428.05	14.172	330.15
428.14	14.197	330.12
428.24	14.225	330.09
428.34	14.253	330.07
428.44	14.281	330.04
428.54	14.309	330.01
428.64	14.337	329.98
428.74	14.364	329.95
428.84	14.392	329.93
428.94	14.42	329.9
429.	14.437	329.89
429.01	14.44	
429.02	14.443	329.88
429.05	14.451	
429.14	14.476	329.86
429.24	14.504	329.83
429.34	14.532	329.81
429.44	14.56	329.79
429.54	14.588	329.77
429.64	14.615	329.75
429.74	14.643	329.73
429.84	14.671	329.71
429.94	14.699	329.68
430.	14.716	329.67
430.01	14.718	
430.02	14.721	329.66
430.05	14.73	
430.14	14.755	329.63
430.24	14.782	329.61
430.34	14.81	329.58
430.44	14.838	329.55
430.54	14.866	329.53
430.64	14.894	329.5
430.74	14.922	329.47
430.84	14.95	329.44
430.94	14.977	329.42
431.	14.994	329.4
431.01	14.997	
431.02	15.	
431.05	15.008	329.39
431.14	15.033	329.37
431.24	15.061	329.35
431.34	15.089	329.32
431.44	15.117	329.3
431.54	15.144	329.28
431.64	15.172	329.26

431.74	15.2	329.24
431.84	15.228	329.21
431.94	15.256	329.19
432.	15.272	329.18
432.01	15.275	
432.02	15.278	
432.05	15.286	329.17
432.14	15.311	329.15
432.24	15.339	329.13
432.34	15.367	329.11
432.44	15.395	329.09
432.54	15.423	329.07
432.64	15.45	329.05
432.74	15.478	329.03
432.84	15.506	329.01
432.94	15.534	328.99
433.	15.55	328.97
433.01	15.553	
433.02	15.556	
433.05	15.564	328.96
433.14	15.589	328.94
433.24	15.617	328.92
433.34	15.645	328.9
433.44	15.673	328.88
433.54	15.7	328.86
433.64	15.728	328.84
433.74	15.756	328.82
433.84	15.784	328.8
433.94	15.811	328.78
434.	15.828	328.76
434.01	15.831	
434.02	15.834	
434.05	15.842	328.75
434.14	15.867	328.73
434.24	15.895	328.71
434.34	15.922	328.69
434.44	15.95	328.67
434.54	15.978	328.65
434.64	16.006	328.62
434.74	16.033	328.6
434.84	16.061	328.57
434.94	16.089	328.55
435.	16.105	328.53
435.01	16.108	
435.02	16.111	328.52
435.05	16.119	328.51
435.14	16.144	328.49
435.24	16.172	328.46
435.34	16.2	328.43
435.44	16.227	328.4
435.54	16.255	328.36
435.64	16.283	328.33
435.74	16.311	328.3
435.84	16.338	328.26
435.94	16.366	328.23
436.	16.383	328.21
436.01	16.385	
436.02	16.388	328.2
436.05	16.396	328.19
436.14	16.421	328.16

436.24	16.449	328.13
436.34	16.477	328.09
436.44	16.505	328.06
436.54	16.532	328.02
436.64	16.56	327.99
436.74	16.588	327.96
436.84	16.615	327.92
436.94	16.643	327.89
437.	16.66	327.87
437.01	16.662	
437.02	16.665	
437.05	16.673	327.86
437.14	16.698	327.83
437.24	16.726	327.8
437.34	16.754	327.77
437.44	16.781	327.74
437.54	16.809	327.71
437.64	16.837	327.68
437.74	16.864	327.65
437.84	16.892	327.62
437.94	16.92	327.59
438.	16.936	327.57
438.01	16.939	
438.02	16.942	
438.05	16.95	327.56
438.14	16.975	327.53
438.24	17.003	327.49
438.34	17.03	327.46
438.44	17.058	327.42
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438.64	17.113	327.35
438.74	17.141	327.32
438.84	17.169	327.28
438.94	17.196	327.25
439.	17.213	327.22
439.01	17.216	
439.02	17.218	
439.05	17.227	327.21
439.14	17.251	327.17
439.24	17.279	327.14
439.34	17.307	327.1
439.44	17.334	327.07
439.54	17.362	327.03
439.64	17.39	326.99
439.74	17.417	326.96
439.84	17.445	326.92
439.94	17.473	326.88
440.	17.489	326.86
440.01	17.492	
440.02	17.495	326.85
440.05	17.503	326.84
440.14	17.528	326.81
440.24	17.556	326.77
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440.54	17.639	326.66
440.64	17.666	326.62
440.74	17.694	326.58
440.84	17.722	326.54
440.94	17.749	326.5

441.	17.766	326.48
441.01	17.769	
441.02	17.771	326.47
441.05	17.78	326.46
441.14	17.805	326.43
441.24	17.832	326.39
441.34	17.86	326.35
441.44	17.887	326.31
441.54	17.915	326.27
441.64	17.943	326.23
441.74	17.97	326.19
441.84	17.998	326.15
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442.	18.042	326.09
442.01	18.045	
442.02	18.048	326.08
442.05	18.056	326.07
442.14	18.081	326.04
442.24	18.109	326.
442.34	18.137	325.96
442.44	18.164	325.92
442.54	18.192	325.88
442.64	18.22	325.84
442.74	18.247	325.8
442.84	18.275	325.76
442.94	18.303	325.72
443.	18.319	325.7
443.01	18.322	
443.02	18.325	325.69
443.05	18.333	325.68
443.14	18.358	325.65
443.24	18.386	325.61
443.34	18.413	325.57
443.44	18.441	325.53
443.54	18.469	325.49
443.64	18.496	325.45
443.74	18.524	325.42
443.84	18.552	325.38
443.94	18.579	325.34
444.	18.596	325.32
444.01	18.599	325.31
444.02	18.602	
444.05	18.61	325.3
444.14	18.635	325.26
444.24	18.663	325.23
444.34	18.69	325.19
444.44	18.718	325.15
444.54	18.746	325.11
444.64	18.773	325.07
444.74	18.801	325.04
444.84	18.829	325.
444.94	18.857	324.96
445.	18.873	324.94
445.01	18.876	324.93
445.02	18.879	
445.05	18.887	324.92
445.14	18.912	324.89
445.24	18.94	324.85
445.34	18.967	324.81
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445.64	19.038	324.7
445.74	19.033	324.66
445.84	19.029	324.63
445.94	19.024	324.59
446.	19.022	324.57
446.01	19.021	
446.02		
446.05	19.02	324.56
446.14	19.016	324.53
446.24	19.011	324.49
446.34	19.007	324.46
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446.64	18.993	324.37
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446.84	18.985	324.31
446.94	18.98	324.28
447.	18.978	324.26
447.01	18.977	
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447.44	18.958	324.14
447.54	18.954	324.11
447.64	18.949	324.08
447.74	18.945	324.05
447.84	18.941	324.02
447.94	18.936	323.99
448.	18.934	323.97
448.01	18.933	
448.02		
448.05	18.932	323.96
448.14	18.928	323.93
448.24	18.923	323.9
448.34	18.919	323.88
448.44	18.915	323.85
448.54	18.91	323.82
448.64	18.906	323.78
448.74	18.901	323.75
448.84	18.897	323.72
448.94	18.893	323.69
449.	18.89	323.67
449.01		
449.02	18.889	323.66
449.05	18.888	323.65
449.14	18.884	323.62
449.24	18.88	323.59
449.34	18.875	323.56
449.44	18.871	323.52
449.54	18.867	323.49
449.64	18.863	323.45
449.74	18.858	323.41
449.84	18.854	323.38
449.94	18.85	323.34
450.	18.847	323.32
450.01		323.31
450.02	18.846	

450.05	18.845	323.3
450.14	18.841	323.27
450.24	18.837	323.23
450.34	18.833	323.19
450.44	18.828	323.16
450.54	18.824	323.12
450.64	18.82	323.08
450.74	18.816	323.04
450.84	18.811	323.01
450.94	18.807	322.97
451.	18.805	322.95
451.01	18.804	322.94
451.02		
451.05	18.802	322.93
451.14	18.799	322.89
451.24	18.794	322.86
451.34	18.79	322.82
451.44	18.786	322.78
451.54	18.782	322.74
451.64	18.778	322.71
451.74	18.773	322.67
451.84	18.769	322.63
451.94	18.765	322.6
452.	18.763	322.57
452.01	18.762	
452.02		
452.05	18.76	322.55
452.14	18.757	322.52
452.24	18.753	322.48
452.34	18.748	322.44
452.44	18.744	322.41
452.54	18.74	322.37
452.64	18.736	322.33
452.74	18.732	322.29
452.84	18.728	322.26
452.94	18.724	322.22
453.	18.721	322.2
453.01		322.19
453.02	18.72	
453.05	18.719	322.18
453.14	18.715	322.14
453.24	18.711	322.11
453.34	18.707	322.07
453.44	18.703	322.03
453.54	18.699	321.99
453.64	18.695	321.96
453.74	18.691	321.92
453.84	18.687	321.88
453.94	18.683	321.84
454.	18.68	321.82
454.01		
454.02	18.679	321.81
454.05	18.678	321.8
454.14	18.674	321.77
454.24	18.67	321.73
454.34	18.666	321.69
454.44	18.662	321.65
454.54	18.658	321.62
454.64	18.654	321.58
454.74	18.65	321.54

454.84	18.646	321.5
454.94	18.642	321.46
455.	18.64	321.44
455.01	18.639	
455.02		321.43
455.05	18.638	321.42
455.14	18.634	321.39
455.24	18.63	321.35
455.34	18.626	321.31
455.44	18.622	321.28
455.54	18.618	321.24
455.64	18.614	321.2
455.74	18.61	321.16
455.84	18.606	321.13
455.94	18.602	321.09
456.	18.6	321.07
456.01	18.599	321.06
456.02		
456.05	18.598	321.05
456.14	18.594	321.01
456.24	18.59	320.98
456.34	18.586	320.94
456.44	18.582	320.9
456.54	18.578	320.86
456.64	18.574	320.83
456.74	18.57	320.79
456.84	18.566	320.75
456.94	18.562	320.72
457.	18.56	320.7
457.01		320.69
457.02	18.559	
457.05	18.558	320.68
457.14	18.554	320.65
457.24	18.551	320.62
457.34	18.547	320.58
457.44	18.543	320.55
457.54	18.539	320.51
457.64	18.535	320.48
457.74	18.531	320.45
457.84	18.527	320.41
457.94	18.523	320.38
458.	18.521	320.36
458.01	18.52	320.35
458.02		
458.05	18.519	320.34
458.14	18.515	320.31
458.24	18.512	320.27
458.34	18.508	320.24
458.44	18.504	320.2
458.54	18.5	320.17
458.64	18.496	320.13
458.74	18.492	320.1
458.84	18.488	320.06
458.94	18.484	320.03
459.	18.482	320.01
459.01		320.
459.02	18.481	
459.05	18.48	319.99
459.14	18.477	319.96
459.24	18.473	319.92

459.34	18.469	319.89
459.44	18.465	319.86
459.54	18.461	319.82
459.64	18.458	319.79
459.74	18.454	319.76
459.84	18.45	319.72
459.94	18.446	319.69
460.	18.444	319.67
460.01		319.66
460.02	18.443	
460.05	18.442	319.65
460.14	18.439	319.62
460.24	18.435	319.58
460.34	18.431	319.55
460.44	18.427	319.51
460.54	18.424	319.48
460.64	18.42	319.44
460.74	18.416	319.41
460.84	18.412	319.37
460.94	18.409	319.34
461.	18.406	319.31
461.01		
461.02		
461.05	18.404	319.3
461.14	18.401	319.27
461.24	18.397	319.23
461.34	18.394	319.2
461.44	18.39	319.17
461.54	18.386	319.13
461.64	18.382	319.1
461.74	18.379	319.06
461.84	18.375	319.03
461.94	18.371	318.99
462.	18.369	318.97
462.01		
462.02	18.368	
462.05	18.367	318.96
462.14	18.364	318.92
462.24	18.36	318.89
462.34	18.357	318.85
462.44	18.353	318.82
462.54	18.349	318.78
462.64	18.346	318.74
462.74	18.342	318.71
462.84	18.338	318.67
462.94	18.335	318.63
463.	18.333	318.61
463.01	18.332	
463.02		318.6
463.05	18.331	318.59
463.14	18.327	318.56
463.24	18.324	318.52
463.34	18.32	318.49
463.44	18.317	318.45
463.54	18.313	318.41
463.64	18.309	318.37
463.74	18.306	318.34
463.84	18.302	318.3
463.94	18.299	318.27
464.		318.25

464.01	18.296	318.24
464.02		
464.05	18.295	318.23
464.14	18.291	318.2
464.24	18.288	318.16
464.34	18.284	318.13
464.44	18.281	318.09
464.54	18.277	318.06
464.64	18.274	318.03
464.74	18.27	317.99
464.84	18.267	317.96
464.94	18.263	317.93
465.	18.261	317.91
465.01		
465.02	18.26	317.9
465.05	18.259	317.89
465.14	18.256	317.86
465.24	18.252	317.83
465.34	18.249	317.8
465.44	18.245	317.77
465.54	18.242	317.73
465.64	18.238	317.7
465.74	18.235	317.67
465.84	18.231	317.63
465.94	18.228	317.6
466.	18.226	317.58
466.01		
466.02	18.225	317.57
466.05	18.224	317.56
466.14	18.221	317.53
466.24	18.218	317.5
466.34	18.214	317.46
466.44	18.211	317.43
466.54	18.207	317.39
466.64	18.204	317.36
466.74	18.2	317.32
466.84	18.197	317.29
466.94	18.194	317.25
467.	18.191	317.23
467.01		317.22
467.02		
467.05	18.19	317.21
467.14	18.187	317.18
467.24	18.183	317.14
467.34	18.18	317.11
467.44	18.176	317.07
467.54	18.173	317.03
467.64	18.17	317.
467.74	18.166	316.96
467.84	18.163	316.93
467.94	18.16	316.89
468.	18.158	316.88
468.01	18.157	316.87
468.02		
468.05	18.156	316.86
468.14	18.153	316.83
468.24	18.15	316.8
468.34	18.146	316.77
468.44	18.143	316.74
468.54	18.14	316.71

468.64	18.136	316.68
468.74	18.133	316.65
468.84	18.13	316.62
468.94	18.126	316.59
469.	18.124	316.57
469.01		
469.02		
469.05	18.123	316.56
469.14	18.12	316.53
469.24	18.116	316.5
469.34	18.113	316.47
469.44	18.11	316.45
469.54	18.106	316.42
469.64	18.103	316.39
469.74	18.1	316.36
469.84	18.097	316.32
469.94	18.093	316.29
470.	18.091	316.28
470.01		316.27
470.02		
470.05	18.09	316.26
470.14	18.087	316.23
470.24	18.084	316.2
470.34	18.08	316.17
470.44	18.077	316.14
470.54	18.074	316.11
470.64	18.071	316.08
470.74	18.068	316.04
470.84	18.064	316.01
470.94	18.061	315.98
471.	18.059	315.96
471.01		
471.02		
471.05	18.058	315.95
471.14	18.055	315.92
471.24	18.052	315.89
471.34	18.048	315.86
471.44	18.045	315.83
471.54	18.042	315.8
471.64	18.039	315.77
471.74	18.036	315.74
471.84	18.033	315.71
471.94	18.029	315.68
472.	18.027	315.66
472.01		
472.02		
472.05	18.026	315.65
472.14	18.023	315.62
472.24	18.02	315.59
472.34	18.017	315.56
472.44	18.014	315.52
472.54	18.011	315.49
472.64	18.008	315.46
472.74	18.004	315.43
472.84	18.001	315.4
472.94	17.998	315.37
473.	17.996	315.35
473.01		315.34
473.02		
473.05	17.995	315.33

473.14	17.992	315.3
473.24	17.989	315.27
473.34	17.986	315.24
473.44	17.983	315.21
473.54	17.98	315.18
473.64	17.977	315.14
473.74	17.974	315.11
473.84	17.971	315.08
473.94	17.968	315.05
474.	17.966	315.03
474.01		
474.02	17.965	315.02
474.05	17.964	315.01
474.14	17.962	314.98
474.24	17.959	314.95
474.34	17.956	314.92
474.44	17.953	314.89
474.54	17.95	314.86
474.64	17.947	314.83
474.74	17.944	314.79
474.84	17.941	314.76
474.94	17.938	314.73
475.	17.936	314.71
475.01		
475.02	17.935	314.7
475.05	17.934	314.69
475.14	17.932	314.67
475.24	17.929	314.63
475.34	17.926	314.6
475.44	17.923	314.57
475.54	17.92	314.54
475.64	17.917	314.5
475.74	17.914	314.47
475.84	17.911	314.44
475.94	17.908	314.41
476.	17.906	314.39
476.01		314.38
476.02		
476.05	17.905	314.37
476.14	17.902	314.34
476.24	17.899	314.31
476.34	17.897	314.28
476.44	17.894	314.25
476.54	17.891	314.21
476.64	17.888	314.18
476.74	17.885	314.15
476.84	17.882	314.12
476.94	17.879	314.08
477.	17.878	314.07
477.01	17.877	314.06
477.02		
477.05	17.876	314.05
477.14	17.874	314.02
477.24	17.871	313.99
477.34	17.868	313.96
477.44	17.865	313.92
477.54	17.862	313.89
477.64	17.859	313.86
477.74	17.857	313.83
477.84	17.854	313.8

477.94	17.851	313.77
478.	17.849	313.75
478.01		
478.02		313.74
478.05	17.848	313.73
478.14	17.845	313.71
478.24	17.843	313.68
478.34	17.84	313.65
478.44	17.837	313.62
478.54	17.834	313.59
478.64	17.831	313.56
478.74	17.829	313.52
478.84	17.826	313.49
478.94	17.823	313.46
479.	17.821	313.45
479.01		313.44
479.02		
479.05	17.82	313.43
479.14	17.818	313.4
479.24	17.815	313.37
479.34	17.812	313.34
479.44	17.809	313.31
479.54	17.807	313.28
479.64	17.804	313.25
479.74	17.801	313.22
479.84	17.798	313.18
479.94	17.796	313.15
480.	17.794	313.13
480.01		
480.02		
480.05	17.793	313.12
480.14	17.79	313.09
480.24	17.788	313.06
480.34	17.785	313.03
480.44	17.782	313.
480.54	17.78	312.97
480.64	17.777	312.94
480.74	17.774	312.91
480.84	17.772	312.88
480.94	17.769	312.85
481.	17.767	312.83
481.01		
481.02		
481.05	17.766	312.82
481.14	17.764	312.79
481.24	17.761	312.76
481.34	17.758	312.73
481.44	17.756	312.7
481.54	17.753	312.67
481.64	17.75	312.64
481.74	17.748	312.61
481.84	17.745	312.58
481.94	17.743	312.55
482.	17.741	312.53
482.01		
482.02	17.74	
482.05		312.52
482.14	17.737	312.49
482.24	17.735	312.46
482.34	17.732	312.43

482.44	17.73	312.4
482.54	17.727	312.37
482.64	17.724	312.33
482.74	17.722	312.3
482.84	17.719	312.27
482.94	17.717	312.24
483.	17.715	312.22
483.01		
483.02		
483.05	17.714	312.21
483.14	17.712	312.18
483.24	17.709	312.15
483.34	17.707	312.12
483.44	17.704	312.09
483.54	17.701	312.06
483.64	17.699	312.03
483.74	17.696	312.
483.84	17.694	311.97
483.94	17.691	311.93
484.	17.69	311.92
484.01		311.91
484.02	17.689	
484.05		311.9
484.14	17.686	311.87
484.24	17.684	311.84
484.34	17.681	311.81
484.44	17.679	311.78
484.54	17.677	311.75
484.64	17.674	311.72
484.74	17.672	311.68
484.84	17.669	311.65
484.94	17.667	311.62
485.	17.665	311.6
485.01		
485.02		311.59
485.05	17.664	
485.14	17.662	311.56
485.24	17.659	311.52
485.34	17.657	311.49
485.44	17.655	311.46
485.54	17.652	311.43
485.64	17.65	311.4
485.74	17.647	311.37
485.84	17.645	311.33
485.94	17.643	311.3
486.	17.641	311.28
486.01		
486.02		
486.05	17.64	311.27
486.14	17.638	311.24
486.24	17.635	311.21
486.34	17.633	311.18
486.44	17.631	311.15
486.54	17.628	311.11
486.64	17.626	311.08
486.74	17.624	311.05
486.84	17.621	311.02
486.94	17.619	310.99
487.	17.617	310.97
487.01		310.96

487.02		
487.05	17.616	310.95
487.14	17.614	310.92
487.24	17.612	310.89
487.34	17.61	310.86
487.44	17.607	310.83
487.54	17.605	310.8
487.64	17.603	310.76
487.74	17.6	310.73
487.84	17.598	310.7
487.94	17.596	310.67
488.	17.594	310.65
488.01		
488.02		310.64
488.05	17.593	310.63
488.14	17.591	310.6
488.24	17.589	310.57
488.34	17.587	310.54
488.44	17.584	310.51
488.54	17.582	310.47
488.64	17.58	310.44
488.74	17.578	310.41
488.84	17.575	310.38
488.94	17.573	310.34
489.	17.572	310.32
489.01		
489.02	17.571	
489.05		310.31
489.14	17.569	310.28
489.24	17.566	310.25
489.34	17.564	310.22
489.44	17.562	310.18
489.54	17.56	310.15
489.64	17.558	310.12
489.74	17.555	310.09
489.84	17.553	310.06
489.94	17.551	310.02
490.	17.55	310.
490.01	17.549	
490.02		
490.05		309.99
490.14	17.547	309.96
490.24	17.544	309.93
490.34	17.542	309.9
490.44	17.54	309.86
490.54	17.538	309.83
490.64	17.536	309.8
490.74	17.534	309.77
490.84	17.532	309.74
490.94	17.529	309.71
491.	17.528	309.69
491.01		309.68
491.02		
491.05	17.527	309.67
491.14	17.525	309.64
491.24	17.523	309.61
491.34	17.521	309.58
491.44	17.519	309.55
491.54	17.517	309.52
491.64	17.515	309.49

491.74	17.512	309.45
491.84	17.51	309.42
491.94	17.508	309.39
492.	17.507	309.37
492.01		
492.02		
492.05	17.506	309.36
492.14	17.504	309.33
492.24	17.502	309.3
492.34	17.5	309.27
492.44	17.498	309.24
492.54	17.496	309.21
492.64	17.494	309.17
492.74	17.492	309.14
492.84	17.49	309.11
492.94	17.487	309.08
493.	17.486	309.07
493.01		309.06
493.02		
493.05	17.485	309.05
493.14	17.483	309.03
493.24	17.481	309.
493.34	17.479	308.97
493.44	17.477	308.94
493.54	17.475	308.91
493.64	17.473	308.88
493.74	17.471	308.85
493.84	17.469	308.82
493.94	17.467	308.79
494.	17.466	308.77
494.01		
494.02		
494.05	17.465	308.76
494.14	17.463	308.73
494.24	17.461	308.7
494.34	17.459	308.67
494.44	17.457	308.64
494.54	17.455	308.61
494.64	17.453	308.58
494.74	17.451	308.55
494.84	17.449	308.52
494.94	17.447	308.49
495.	17.446	308.47
495.01		
495.02		308.46
495.05	17.445	308.45
495.14	17.443	308.43
495.24	17.442	308.39
495.34	17.44	308.36
495.44	17.438	308.33
495.54	17.436	308.3
495.64	17.434	308.27
495.74	17.432	308.24
495.84	17.43	308.21
495.94	17.428	308.18
496.	17.427	308.16
496.01		
496.02		308.15
496.05	17.426	308.14
496.14	17.424	308.11

496.24	17.422	308.08
496.34	17.42	308.05
496.44	17.419	308.02
496.54	17.417	307.99
496.64	17.415	307.96
496.74	17.413	307.93
496.84	17.411	307.9
496.94	17.409	307.86
497.	17.408	307.85
497.01		307.84
497.02		
497.05	17.407	307.83
497.14	17.406	307.8
497.24	17.404	307.77
497.34	17.402	307.74
497.44	17.4	307.7
497.54	17.398	307.67
497.64	17.396	307.64
497.74	17.395	307.61
497.84	17.393	307.58
497.94	17.391	307.54
498.	17.39	307.53
498.01		307.52
498.02	17.389	
498.05		307.51
498.14	17.387	307.48
498.24	17.385	307.45
498.34	17.384	307.42
498.44	17.382	307.39
498.54	17.38	307.36
498.64	17.378	307.32
498.74	17.377	307.29
498.84	17.375	307.26
498.94	17.373	307.23
499.	17.372	307.21
499.01		
499.02		
499.05	17.371	307.2
499.14	17.369	307.17
499.24	17.368	307.14
499.34	17.366	307.11
499.44	17.364	307.08
499.54	17.363	307.04
499.64	17.361	307.01
499.74	17.359	306.98
499.84	17.357	306.95
499.94	17.356	306.92
500.	17.355	306.9
500.01	17.354	
500.02		
500.05		306.89
500.14	17.352	306.86
500.24	17.35	306.83
500.34	17.349	306.8
500.44	17.347	306.76
500.54	17.345	306.73
500.64	17.344	306.7
500.74	17.342	306.67
500.84	17.34	306.64
500.94	17.339	306.61

501.	17.338	306.59
501.01	17.337	
501.02		306.58
501.05		306.57
501.14	17.335	306.55
501.24	17.334	306.52
501.34	17.332	306.48
501.44	17.33	306.45
501.54	17.329	306.42
501.64	17.327	306.39
501.74	17.325	306.36
501.84	17.324	306.33
501.94	17.322	306.3
502.	17.321	306.28
502.01		
502.02		306.27
502.05	17.32	306.26
502.14	17.319	306.24
502.24	17.317	306.2
502.34	17.316	306.17
502.44	17.314	306.14
502.54	17.312	306.11
502.64	17.311	306.08
502.74	17.309	306.05
502.84	17.308	306.02
502.94	17.306	305.98
503.	17.305	305.97
503.01		305.96
503.02		
503.05	17.304	305.95
503.14	17.303	305.92
503.24	17.301	305.89
503.34	17.3	305.86
503.44	17.298	305.83
503.54	17.297	305.8
503.64	17.295	305.77
503.74	17.294	305.74
503.84	17.292	305.71
503.94	17.29	305.68
504.		305.66
504.01	17.289	305.65
504.02		
504.05		305.64
504.14	17.287	305.61
504.24	17.286	305.58
504.34	17.284	305.55
504.44	17.283	305.52
504.54	17.281	305.49
504.64	17.28	305.46
504.74	17.278	305.43
504.84	17.277	305.4
504.94	17.275	305.37
505.	17.274	305.35
505.01		
505.02		
505.05		305.34
505.14	17.272	305.31
505.24	17.271	305.28
505.34	17.269	305.25
505.44	17.268	305.22

505.54	17.266	305.19
505.64	17.265	305.16
505.74	17.263	305.13
505.84	17.262	305.1
505.94	17.26	305.07
506.		305.05
506.01	17.259	
506.02		305.04
506.05		
506.14	17.258	305.01
506.24	17.256	304.98
506.34	17.255	304.95
506.44	17.253	304.92
506.54	17.252	304.89
506.64	17.25	304.86
506.74	17.249	304.83
506.84	17.248	304.8
506.94	17.246	304.77
507.	17.245	304.75
507.01		304.74
507.02		
507.05		304.73
507.14	17.243	304.7
507.24	17.242	304.67
507.34	17.241	304.64
507.44	17.239	304.61
507.54	17.238	304.58
507.64	17.236	304.55
507.74	17.235	304.52
507.84	17.234	304.49
507.94	17.232	304.46
508.	17.231	304.45
508.01		304.44
508.02		
508.05		304.43
508.14	17.229	304.4
508.24	17.228	304.37
508.34	17.227	304.34
508.44	17.225	304.31
508.54	17.224	304.28
508.64	17.223	304.25
508.74	17.221	304.22
508.84	17.22	304.19
508.94	17.219	304.16
509.	17.218	304.14
509.01		
509.02		
509.05	17.217	304.13
509.14	17.216	304.1
509.24	17.215	304.07
509.34	17.213	304.04
509.44	17.212	304.01
509.54	17.211	303.98
509.64	17.209	303.95
509.74	17.208	303.92
509.84	17.207	303.89
509.94	17.206	303.86
510.	17.205	303.85
510.01		303.84
510.02		

510.05	17.204	303.83
510.14	17.203	303.8
510.24	17.202	303.77
510.34	17.201	303.74
510.44	17.199	303.71
510.54	17.198	303.68
510.64	17.197	303.65
510.74	17.195	303.62
510.84	17.194	303.59
510.94	17.193	303.56
511.	17.192	303.55
511.01		303.54
511.02		
511.05		303.53
511.14	17.19	303.5
511.24	17.189	303.47
511.34	17.188	303.44
511.44	17.187	303.41
511.54	17.186	303.38
511.64	17.184	303.35
511.74	17.183	303.32
511.84	17.182	303.29
511.94	17.181	303.26
512.	17.18	303.25
512.01		303.24
512.02		
512.05	17.179	303.23
512.14	17.178	303.2
512.24	17.177	303.17
512.34	17.176	303.14
512.44	17.175	303.11
512.54	17.174	303.08
512.64	17.172	303.05
512.74	17.171	303.02
512.84	17.17	302.99
512.94	17.169	302.96
513.	17.168	302.94
513.01		
513.02		
513.05		302.93
513.14	17.167	302.9
513.24	17.165	302.87
513.34	17.164	302.84
513.44	17.163	302.81
513.54	17.162	302.78
513.64	17.161	302.75
513.74	17.16	302.72
513.84	17.159	302.69
513.94	17.158	302.66
514.	17.157	302.64
514.01		
514.02		302.63
514.05	17.156	302.62
514.14	17.155	302.6
514.24	17.154	302.57
514.34	17.153	302.54
514.44	17.152	302.5
514.54	17.151	302.47
514.64	17.15	302.44
514.74	17.149	302.41

514.84	17.148	302.38
514.94	17.147	302.35
515.	17.146	302.33
515.01		
515.02		
515.05	17.145	302.32
515.14	17.144	302.29
515.24	17.143	302.26
515.34	17.142	302.23
515.44	17.141	302.2
515.54	17.14	302.17
515.64	17.139	302.14
515.74	17.138	302.11
515.84	17.137	302.08
515.94	17.136	302.05
516.	17.135	302.03
516.01		302.02
516.02		
516.05		302.01
516.14	17.134	301.98
516.24	17.133	301.95
516.34	17.132	301.92
516.44	17.131	301.89
516.54	17.13	301.86
516.64	17.129	301.83
516.74	17.128	301.8
516.84	17.127	301.77
516.94	17.126	301.74
517.	17.125	301.72
517.01		
517.02		
517.05		301.71
517.14	17.124	301.68
517.24	17.123	301.65
517.34	17.122	301.62
517.44	17.121	301.59
517.54	17.12	301.56
517.64	17.119	301.52
517.74	17.118	301.49
517.84	17.117	301.46
517.94	17.116	301.43
518.	17.115	301.41
518.01		
518.02		
518.05		301.4
518.14	17.114	301.37
518.24	17.113	301.34
518.34	17.112	301.31
518.44	17.111	301.28
518.54	17.11	301.25
518.64	17.109	301.22
518.74		301.19
518.84	17.108	301.16
518.94	17.107	301.13
519.	17.106	301.11
519.01		
519.02		301.1
519.05		
519.14	17.105	301.07
519.24	17.104	301.04

519.34	17.103	301.01
519.44	17.102	300.98
519.54	17.101	300.95
519.64	17.1	300.91
519.74	17.099	300.88
519.84		300.85
519.94	17.098	300.82
520.	17.097	300.8
520.01		
520.02		
520.05		300.79
520.14	17.096	300.76
520.24	17.095	300.73
520.34	17.094	300.7
520.44	17.093	300.67
520.54	17.092	300.64
520.64		300.61
520.74	17.091	300.58
520.84	17.09	300.54
520.94	17.089	300.51
521.		300.49
521.01	17.088	
521.02		
521.05		300.48
521.14	17.087	300.45
521.24		300.42
521.34	17.086	300.39
521.44	17.085	300.36
521.54	17.084	300.33
521.64	17.083	300.29
521.74	17.082	300.26
521.84		300.23
521.94	17.081	300.2
522.	17.08	300.18
522.01		
522.02		
522.05		300.17
522.14	17.079	300.14
522.24	17.078	300.11
522.34		300.08
522.44	17.077	300.04
522.54	17.076	300.01
522.64	17.075	299.98
522.74	17.074	299.95
522.84		299.92
522.94	17.073	299.89
523.	17.072	299.87
523.01		299.86
523.02		
523.05		299.85
523.14	17.071	299.82
523.24		299.79
523.34	17.07	299.76
523.44	17.069	299.73
523.54	17.068	299.7
523.64		299.67
523.74	17.067	299.63
523.84	17.066	299.6
523.94		299.57
524.		

524.01	17.065	299.55
524.02		
524.05		299.54
524.14	17.064	299.51
524.24	17.063	299.48
524.34	17.062	299.45
524.44		299.42
524.54	17.061	299.39
524.64	17.06	299.35
524.74		299.32
524.84	17.059	299.29
524.94	17.058	299.26
525.		299.24
525.01		
525.02		
525.05	17.057	299.23
525.14		299.2
525.24	17.056	299.17
525.34	17.055	299.14
525.44		299.11
525.54	17.054	299.08
525.64	17.053	299.05
525.74		299.02
525.84	17.052	298.99
525.94	17.051	298.96
526.		298.94
526.01		
526.02		
526.05		298.93
526.14	17.05	298.9
526.24	17.049	298.87
526.34		298.84
526.44	17.048	298.81
526.54	17.047	298.78
526.64		298.75
526.74	17.046	298.72
526.84	17.045	298.69
526.94		298.66
527.	17.044	298.64
527.01		
527.02		298.63
527.05		298.62
527.14	17.043	298.6
527.24		298.57
527.34	17.042	298.54
527.44		298.5
527.54	17.041	298.47
527.64	17.04	298.44
527.74		298.41
527.84	17.039	298.38
527.94		298.35
528.	17.038	298.33
528.01		
528.02		
528.05		298.32
528.14	17.037	298.29
528.24		298.26
528.34	17.036	298.23
528.44		298.2
528.54	17.035	298.17

528.64	17.034	298.14
528.74		298.11
528.84	17.033	298.08
528.94		298.04
529.	17.032	298.03
529.01		298.02
529.02		
529.05		298.01
529.14		297.98
529.24	17.031	297.95
529.34	17.03	297.92
529.44		297.89
529.54	17.029	297.86
529.64		297.83
529.74	17.028	297.8
529.84		297.77
529.94	17.027	297.74
530.		297.72
530.01		
530.02		297.71
530.05		
530.14	17.026	297.68
530.24		297.65
530.34	17.025	297.62
530.44	17.024	297.59
530.54		297.56
530.64	17.023	297.53
530.74		297.5
530.84	17.022	297.47
530.94		297.44
531.		297.42
531.01		
531.02		297.41
531.05	17.021	297.4
531.14		297.38
531.24	17.02	297.35
531.34		297.32
531.44	17.019	297.28
531.54		297.25
531.64	17.018	297.22
531.74		297.19
531.84		297.16
531.94	17.017	297.13
532.		297.12
532.01		297.11
532.02		
532.05		297.1
532.14	17.016	297.07
532.24		297.04
532.34	17.015	297.01
532.44		296.99
532.54	17.014	296.96
532.64		296.93
532.74	17.013	296.9
532.84		296.87
532.94	17.012	296.84
533.		296.82
533.01		
533.02		296.81
533.05		296.8

533.14		296.78
533.24	17.011	296.75
533.34		296.72
533.44	17.01	296.69
533.54		296.66
533.64	17.009	296.63
533.74		296.6
533.84		296.57
533.94	17.008	296.54
534.		296.52
534.01		
534.02		
534.05		296.51
534.14	17.007	296.48
534.24		296.45
534.34		296.42
534.44	17.006	296.39
534.54		296.36
534.64	17.005	296.33
534.74		296.3
534.84		296.27
534.94	17.004	296.24
535.		296.22
535.01		
535.02		
535.05		296.21
535.14		296.18
535.24	17.003	296.15
535.34		296.12
535.44	17.002	296.09
535.54		296.06
535.64		296.03
535.74	17.001	296.
535.84		295.97
535.94		295.94
536.	17.	295.93
536.01		295.92
536.02		
536.05		295.91
536.14		295.88
536.24		295.85
536.34	16.999	295.82
536.44		295.8
536.54		295.77
536.64	16.998	295.74
536.74		295.71
536.84		295.68
536.94	16.997	295.65
537.		295.63
537.01		
537.02		295.62
537.05		295.61
537.14		295.59
537.24	16.996	295.56
537.34		295.53
537.44		295.5
537.54		295.47
537.64	16.995	295.44
537.74		295.41
537.84		295.38

537.94	16.994	295.35
538.		295.34
538.01		295.33
538.02		
538.05		295.32
538.14		295.3
538.24		295.27
538.34	16.993	295.24
538.44		295.21
538.54		295.18
538.64		295.15
538.74	16.992	295.12
538.84		295.09
538.94		295.06
539.		295.05
539.01		295.04
539.02		
539.05	16.991	295.03
539.14		295.
539.24		294.98
539.34		294.95
539.44		294.92
539.54	16.99	294.89
539.64		294.86
539.74		294.83
539.84		294.8
539.94	16.989	294.77
540.		294.76
540.01		294.75
540.02		
540.05		294.74
540.14		294.72
540.24		294.69
540.34		294.66
540.44	16.988	294.63
540.54		294.6
540.64		294.57
540.74		294.54
540.84		294.51
540.94	16.987	294.48
541.		294.47
541.01		294.46
541.02		
541.05		294.45
541.14		294.42
541.24		294.39
541.34		294.36
541.44	16.986	294.33
541.54		294.3
541.64		294.27
541.74		294.24
541.84		294.21
541.94		294.18
542.		294.17
542.01		294.16
542.02		
542.05	16.985	294.15
542.14		294.12
542.24		294.09
542.34		294.06

542.44		294.03
542.54		294.
542.64		293.97
542.74	16.984	293.94
542.84		293.91
542.94		293.88
543.		293.86
543.01		
543.02		
543.05		293.85
543.14		293.82
543.24		293.79
543.34		293.76
543.44		293.73
543.54		293.7
543.64	16.983	293.67
543.74		293.64
543.84		293.61
543.94		293.58
544.		293.57
544.01		293.56
544.02		
544.05		293.55
544.14		293.52
544.24		293.49
544.34		293.46
544.44		293.43
544.54		293.4
544.64		293.37
544.74		293.34
544.84		293.31
544.94		293.28
545.		293.27
545.01		293.26
545.02		
545.05		293.25
545.14		293.22
545.24		293.19
545.34		293.16
545.44		293.13
545.54		293.1
545.64		293.07
545.74		293.04
545.84		293.01
545.94		292.98
546.		292.97
546.01		292.96
546.02		
546.05		292.95
546.14		292.93
546.24		292.9
546.34		292.87
546.44		292.84
546.54		292.81
546.64		292.78
546.74		292.75
546.84		292.72
546.94		292.69
547.		292.67
547.01		

547.02		
547.05		292.66
547.14		292.63
547.24		292.6
547.34		292.57
547.44		292.54
547.54		292.51
547.64		292.48
547.74		292.45
547.84		292.42
547.94		292.4
548.		292.38
548.01		
548.02		292.37
548.05		292.36
548.14		292.34
548.24		292.31
548.34	16.982	292.28
548.44		292.25
548.54		292.22
548.64		292.19
548.74		292.16
548.84		292.13
548.94		292.1
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549.01		292.08
549.02		
549.05		292.07
549.14		292.05
549.24		292.02
549.34		291.99
549.44		291.96
549.54		291.93
549.64		291.9
549.74		291.87
549.84		291.84
549.94		291.81
550.		291.8
550.01		291.79
550.02		
550.05		291.78
550.14		291.76
550.24	16.983	291.73
550.34		291.7
550.44		291.67
550.54		291.64
550.64		291.61
550.74		291.58
550.84		291.55
550.94		291.53
551.		291.51
551.01		
551.02		291.5
551.05		291.49
551.14		291.47
551.24	16.984	291.44
551.34		291.41
551.44		291.38
551.54		291.35
551.64		291.32

551.74		291.29
551.84		291.27
551.94	16.985	291.24
552.		291.22
552.01		
552.02		291.21
552.05		291.2
552.14		291.18
552.24		291.15
552.34		291.12
552.44		291.09
552.54		291.06
552.64	16.986	291.03
552.74		291.01
552.84		290.98
552.94		290.95
553.		290.93
553.01		
553.02		
553.05		290.92
553.14		290.89
553.24		290.86
553.34	16.987	290.83
553.44		290.8
553.54		290.78
553.64		290.75
553.74		290.72
553.84		290.69
553.94	16.988	290.66
554.		290.64
554.01		
554.02		
554.05		290.63
554.14		290.6
554.24		290.58
554.34		290.55
554.44	16.989	290.52
554.54		290.49
554.64		290.46
554.74		290.43
554.84		290.4
554.94	16.99	290.37
555.		290.36
555.01		290.35
555.02		
555.05		290.34
555.14		290.32
555.24		290.29
555.34		290.26
555.44	16.991	290.23
555.54		290.2
555.64		290.17
555.74		290.15
555.84	16.992	290.12
555.94		290.09
556.		290.07
556.01		
556.02		
556.05		290.06
556.14		290.03

556.24		290.01
556.34	16.993	289.98
556.44		289.95
556.54		289.92
556.64		289.89
556.74	16.994	289.87
556.84		289.84
556.94		289.81
557.		289.8
557.01		289.79
557.02		
557.05		289.78
557.14	16.995	289.76
557.24		289.73
557.34		289.7
557.44		289.68
557.54	16.996	289.65
557.64		289.62
557.74		289.59
557.84	16.997	289.57
557.94		289.54
558.		289.52
558.01		
558.02		
558.05		289.51
558.14		289.48
558.24	16.998	289.46
558.34		289.43
558.44		289.4
558.54	16.999	289.38
558.64		289.35
558.74		289.32
558.84		289.29
558.94	17.	289.27
559.		289.25
559.01		
559.02		
559.05		289.24
559.14		289.21
559.24	17.001	289.19
559.34		289.16
559.44		289.13
559.54	17.002	289.1
559.64		289.08
559.74		289.05
559.84	17.003	289.02
559.94		289.
560.		288.98
560.4	17.005	288.87
560.8	17.006	288.76
562.	17.011	288.44
565.6	17.028	287.47
569.6	17.05	286.41
573.6	17.077	285.36
577.6	17.106	284.31
581.6	17.139	283.27
585.6	17.174	282.24
589.6	17.213	281.22
593.6	17.254	280.2
597.6	17.297	279.19

600.	17.324	278.59
606.	17.395	277.1
612.	17.472	275.64
630.	17.731	271.48
684.	18.401	259.8
738.	19.404	248.96
798.	20.557	237.86
858.	21.48	227.64
918.		219.64
978.		214.72
1038.		209.41
1098.		203.9
1158.		198.33
1200.		194.42
1212.		193.35
1224.		192.28
1260.		188.95
1296.		185.66
1404.		177.62
1512.		170.6
1632.		163.49
1752.	22.25	156.67
1872.		150.06
1992.		143.64
2112.		137.44
2232.		131.46
2352.		125.78
2400.		123.56
2412.		123.
2424.		122.45
2460.		120.81
2568.		116.16
2676.		111.74
2796.		107.09
2916.		102.68
3036.	22.226	98.499
3156.	22.141	94.538
3276.	22.067	90.791
3396.	22.001	87.258
3516.	21.943	83.912
3600.	21.906	81.658
3612.	21.9	81.338
3624.	21.895	81.019
3660.	21.878	80.075
3768.	21.84	77.395
3876.	21.805	74.845
3996.	21.771	72.163
4116.	21.74	69.621
4236.	21.714	67.22
4356.	21.691	64.949
4476.	21.672	62.797
4596.	21.655	60.756
4716.	21.64	58.822
4800.	21.631	57.517
4812.	21.63	57.332
4824.	21.629	57.147
4860.	21.624	56.601
4968.	21.616	55.046
5076.	21.609	53.569
5196.	21.603	52.016

5316.	21.597	50.543
5436.	21.594	49.144
5556.	21.591	47.993
5676.	21.589	47.418
5796.		46.857
5916.		46.307
6000.	21.59	45.928
6012.		45.875
6024.		45.821
6060.	21.589	45.66
6168.	21.592	45.189
6276.	21.594	44.728
6396.	21.597	44.227
6516.	21.596	43.733
6636.	21.595	43.251
6756.	21.596	42.782
6876.	21.598	42.326
6996.	21.601	41.901
7116.	21.605	41.484
7200.	21.608	41.196

FIGURE 14
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature 2

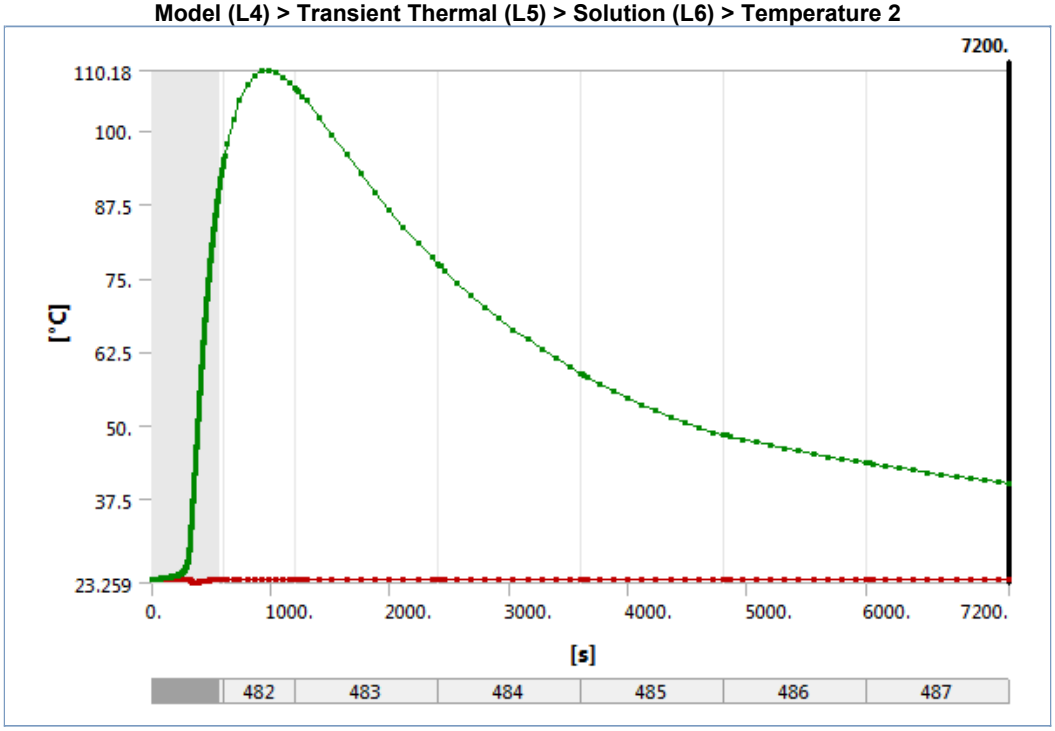

TABLE 25
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature 2

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		

1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		

10.88	
11.08	
11.28	
11.48	
11.68	
11.88	
12.	
12.02	
12.04	
12.1	
12.28	
12.48	
12.68	
12.88	
13.08	
13.28	
13.48	
13.68	
13.88	
14.	
14.02	
14.04	
14.1	
14.22	
14.33	
14.441	
14.641	23.89
14.841	
15.041	
15.241	
15.441	
15.641	
15.841	
16.	
16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	
17.68	
17.88	
18.	
18.02	
18.04	
18.1	
18.28	
18.48	
18.68	

		23.89
18.88		23.891
19.08		
19.28		
19.48		
19.68		
19.87		
20.		
20.02		
20.04		
20.1		
20.28		
20.48		
20.68		
20.88		
21.08		23.892
21.28		
21.48		
21.68		
21.88		
22.		
22.02		
22.04		
22.1		
22.28		
22.48		
22.68		
22.88		23.893
23.08		
23.28		
23.48		
23.68		
23.861		
24.		
24.02		
24.04		
24.1		
24.28		
24.48		23.894
24.68		
24.88		
25.08		
25.28		
25.48		
25.68		
25.88		23.895
26.		
26.02		
26.04		
26.1		
26.224		
26.424		
26.615		
26.805		
27.005		
27.205		23.896
27.405		
27.605		
27.805		
28.		

28.02		
28.04		
28.1		
28.28		
28.48		
28.68		23.897
28.88		
29.08		
29.28		
29.48		
29.68		
29.88		23.898
30.		
30.02		
30.04		
30.1		
30.28		
30.48		
30.68		
30.88		23.899
31.08		
31.28		
31.48		
31.68		
31.88		23.9
32.		
32.02		
32.04		
32.1		
32.28		
32.48	23.889	
32.68		23.901
32.88		
33.08		
33.28		
33.48		23.902
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		23.903
34.48		
34.68		
34.88		23.904
35.08		
35.28		
35.48		
35.68		23.905
35.88		
36.		
36.02		
36.04		
36.1		
36.28		23.906
36.48		
36.68		
36.88		23.907
37.08		

37.28		
37.48		23.908
37.68		
37.88		
38.	23.888	
38.02		
38.04		
38.1		23.909
38.28		
38.48		
38.68		23.91
38.88		
39.08		
39.28		23.911
39.48		
39.68		
39.88		23.912
40.		
40.02		
40.04		
40.1		
40.28		
40.48		23.913
40.68		
40.88		23.914
41.08		
41.28		
41.48		23.915
41.68		
41.88		
42.		
42.02		
42.04		23.916
42.1		
42.28		
42.48		23.917
42.68		
42.88		
43.08		23.918
43.28		
43.48		
43.68		23.919
43.872		
44.		
44.02		
44.04		23.92
44.1		
44.28		
44.48		23.921
44.68		
44.88		23.922
45.08		
45.28		
45.48		23.923
45.68		
45.88		
46.		23.924
46.02		
46.04		
46.1		

46.28		
46.48		23.925
46.68		
46.88		23.926
47.08		
47.28		23.927
47.48		
47.68		
47.88		23.928
48.		
48.02		
48.04		
48.1		
48.28		23.929
48.48		
48.68		23.93
48.88		
49.08		23.931
49.28		
49.48	23.887	
49.68		23.932
49.88		
50.		23.933
50.02		
50.04		
50.1		
50.28		
50.48		23.934
50.68		
50.88		23.935
51.08		
51.28		23.936
51.48		
51.68		23.937
51.88		
52.		
52.02		
52.04		
52.1		23.938
52.28		
52.48		
52.68		23.939
52.88		
53.08		23.94
53.28		
53.48		23.941
53.68		
53.877		23.942
54.		
54.02		
54.04		
54.1		
54.28		23.943
54.48		
54.68		23.944
54.88		
55.08		23.945
55.28		
55.48		23.946
55.68		

55.88		
56.		
56.02		23.947
56.04		
56.1		
56.28		23.948
56.48		
56.68		23.949
56.88		
57.08		23.95
57.28		
57.48		23.951
57.68	23.886	
57.88		
58.		23.952
58.02		
58.04		
58.1		23.953
58.28		
58.48		23.954
58.68		
58.88		23.955
59.08		
59.28		23.956
59.48		
59.68		23.957
59.88		
60.		
60.02		23.958
60.04		
60.1		
60.28		23.959
60.48		
60.68		23.96
60.88		
61.08		23.961
61.28		23.962
61.48		
61.68		23.963
61.88		
62.		
62.02		23.964
62.04	23.885	
62.1		
62.28		23.965
62.48		
62.68		23.966
62.88		
63.08		23.967
63.28		
63.48		23.968
63.68		23.969
63.88		
64.		
64.02		23.97
64.04		
64.1		
64.28		
64.48		23.971
64.68		23.972

64.88		
65.08		23.973
65.28		
65.48		23.974
65.68		23.975
65.88		
66.		23.976
66.02		
66.04		
66.1		
66.28		
66.48		23.977
66.68		23.978
66.88		
67.08		23.979
67.28		
67.48		23.98
67.68		23.981
67.864		
68.		23.982
68.02		
68.04		
68.1		
68.28		23.983
68.48		
68.68		23.984
68.88		
69.08		23.985
69.28		23.986
69.48		
69.68		23.987
69.88		23.988
70.		
70.02		
70.04		
70.1		
70.28		23.989
70.48		
70.68	23.884	23.99
70.88		23.991
71.08		
71.28		23.992
71.48		23.993
71.68		
71.88		23.994
72.		
72.02		
72.04		
72.1		
72.28		23.995
72.48		23.996
72.68		
72.88		23.997
73.08		
73.28		23.998
73.48		23.999
73.68		
73.88		24.
74.		
74.02		

74.04	
74.1	24.001
74.22	
74.42	24.002
74.603	
74.787	24.003
74.987	
75.187	24.004
75.387	
75.587	24.005
75.787	24.006
75.893	
76.	
76.02	
76.04	
76.1	24.007
76.28	
76.48	24.008
76.68	
76.88	24.009
77.08	24.01
77.28	
77.48	24.011
77.68	24.012
77.88	
78.	24.013
78.02	
78.04	
78.1	
78.28	24.014
78.48	
78.68	24.015
78.88	24.016
79.08	
79.28	24.017
79.48	24.018
79.68	
79.88	24.019
80.	
80.02	
80.04	
80.1	24.02
80.28	
80.48	24.021
80.68	24.022
80.88	
81.08	24.023
81.28	24.024
81.48	24.025
81.68	
81.88	24.026
82.	
82.02	
82.04	
82.1	24.027
82.28	
82.48	24.028
82.68	24.029
82.88	
83.08	24.03

83.28		24.031
83.48		24.032
83.68		
83.88		24.033
84.		
84.02		24.034
84.04		
84.1		
84.28		
84.48		24.035
84.68		24.036
84.88		24.037
85.08		
85.28		24.038
85.48		24.039
85.68		
85.88		24.04
86.		24.041
86.02		
86.04		
86.1		
86.28		24.042
86.48		
86.68		24.043
86.88		24.044
87.08		
87.28		24.045
87.48		24.046
87.68		24.047
87.88		
88.	23.883	24.048
88.02		
88.04		
88.1		
88.28		24.049
88.48		
88.68		24.05
88.88		24.051
89.08		
89.28		24.052
89.48		24.053
89.68		24.054
89.88		
90.		24.055
90.02		
90.04		
90.1		
90.28		24.056
90.48		
90.68		24.057
90.88		24.058
91.08		
91.28		24.059
91.48		24.06
91.68		24.061
91.88		
92.		24.062
92.02		
92.04		
92.1		

92.22	
92.42	24.063
92.602	24.064
92.784	
92.984	24.065
93.184	24.066
93.384	
93.584	24.067
93.784	24.068
93.892	
94.	24.069
94.02	
94.04	
94.1	
94.28	24.07
94.48	
94.68	24.071
94.88	24.072
95.08	
95.28	24.073
95.48	24.074
95.68	24.075
95.834	
95.917	
96.	24.076
96.02	
96.04	
96.1	
96.28	24.077
96.48	
96.68	24.078
96.88	24.079
97.08	24.08
97.28	
97.48	24.081
97.68	24.082
97.88	
98.	24.083
98.02	
98.04	
98.1	
98.28	24.084
98.48	24.085
98.68	
98.88	24.086
99.08	24.087
99.28	
99.48	24.088
99.68	24.089
99.88	24.09
100.	
100.02	
100.04	
100.1	
100.28	24.091
100.48	24.092
100.68	
100.88	24.093
101.08	24.094
101.28	24.095

101.48	
101.68	24.096
101.88	24.097
102.	
102.02	
102.04	
102.09	
102.2	24.098
102.4	24.099
102.57	
102.74	24.1
102.94	
103.14	24.101
103.34	24.102
103.54	24.103
103.74	
103.87	24.104
104.	
104.02	
104.04	
104.1	24.105
104.28	
104.48	24.106
104.68	24.107
104.88	
105.08	24.108
105.28	24.109
105.48	24.11
105.68	
105.83	24.111
105.92	
106.	24.112
106.02	
106.04	
106.1	
106.28	24.113
106.48	
106.68	24.114
106.88	24.115
107.08	24.116
107.28	
107.48	24.117
107.68	24.118
107.88	24.119
108.	
108.02	
108.04	
108.1	
108.28	24.12
108.48	24.121
108.68	24.122
108.88	
109.08	24.123
109.28	24.124
109.48	
109.68	24.125
109.88	24.126
110.	
110.02	
110.04	

110.1	24.127
110.28	
110.48	24.128
110.68	24.129
110.88	24.13
111.08	
111.28	24.131
111.48	24.132
111.68	24.133
111.88	
112.	24.134
112.02	
112.04	
112.1	
112.28	24.135
112.48	
112.68	24.136
112.88	24.137
113.08	24.138
113.28	
113.48	24.139
113.68	24.14
113.88	24.141
114.	
114.02	
114.04	
114.08	
114.16	24.142
114.33	
114.47	24.143
114.61	
114.81	24.144
115.01	24.145
115.21	
115.41	24.146
115.61	24.147
115.81	24.148
116.	
116.02	
116.04	
116.1	24.149
116.28	
116.48	24.15
116.68	24.151
116.88	24.152
117.08	
117.28	24.153
117.48	24.154
117.68	24.155
117.83	
117.92	
118.	24.156
118.02	
118.04	
118.1	
118.28	24.157
118.48	24.158
118.68	
118.88	24.159
119.08	24.16

119.28	24.161
119.48	
119.68	24.162
119.88	24.163
120.	
120.02	
120.04	
120.1	24.164
120.28	
120.48	24.165
120.68	24.166
120.88	24.167
121.08	
121.28	24.168
121.48	24.169
121.68	24.17
121.88	
122.	24.171
122.02	
122.04	
122.1	
122.28	24.172

	23.882	
122.48	23.883	24.173
122.68		
122.88		24.174
123.08		24.175
123.28		24.176
123.48		
123.68		24.177
123.88		24.178
124.		
124.02		
124.04		24.179
124.1		
124.28		
124.48		24.18
124.68		24.181
124.88		24.182
125.08		
125.28		24.183
125.48		24.184
125.68		24.185
125.88		
126.		24.186
126.02		
126.04		
126.1		
126.28		24.187
126.48		24.188
126.68		
126.88		24.189
127.08		24.19
127.28		24.191
127.48		
127.68		24.192
127.88		24.193
128.		
128.02		
128.04		
128.1		24.194
128.28		
128.48		24.195
128.68		24.196
128.88		
129.08		24.197
129.28		24.198
129.48		24.199
129.68		
129.88		24.2
130.		24.201
130.02		
130.04		
130.1		
130.28		24.202
130.48		
130.68		24.203
130.88		24.204
131.08		24.205
131.28		
131.48		24.206
131.68		24.207

131.88		
132.		24.208
132.02		
132.04		
132.1		
132.28		24.209
132.48		24.21
132.68		
132.88		24.211
133.08		24.212
133.28		
133.48		24.213
133.68		24.214
133.88		24.215
134.		
134.02		
134.04		
134.1		
134.28		24.216
134.48		24.217
134.68		24.218
134.88		
135.08		24.219
135.28		24.22
135.48		
135.68		24.221
135.88		24.222
136.		
136.02		
136.04		
136.1		24.223
136.28		
136.48		24.224
136.68		24.225
136.88		
137.08		24.226
137.28		24.227
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233.44	24.695
233.54	24.696
233.64	24.697
233.74	24.699
233.84	24.7
233.94	24.701
234.	24.702
234.01	
234.02	
234.05	
234.14	24.704
234.24	24.705
234.34	24.706
234.44	24.707
234.54	24.709
234.64	24.71
234.74	24.711
234.84	24.713
234.94	24.714
235.	24.715
235.01	
235.02	
235.05	
235.14	24.716
235.24	24.718
235.34	24.719
235.44	24.72
235.54	24.722
235.64	24.723
235.74	24.724
235.84	24.726
235.94	24.727
236.	24.728
236.01	
236.02	
236.05	24.729
236.14	24.73
236.24	24.731
236.34	24.733
236.44	24.734
236.54	24.735

	23.889	
236.64		24.737
236.74		24.738
236.84		24.739
236.94		24.741
237.		24.742
237.01		
237.02		
237.05		
237.14		24.744
237.24		24.745
237.34		24.746
237.44		24.748
237.54		24.749
237.64		24.751
237.74		24.752
237.84		24.754
237.94		24.755
238.		24.756
238.01		
238.02		
238.05		24.757
238.14		24.758
238.24		24.759
238.34		24.761
238.44		24.762
238.54		24.764
238.64		24.765
238.74		24.767
238.84		24.768
238.94		24.77
239.		24.771
239.01		
239.02		
239.05		
239.14		24.773
239.24		24.774
239.34		24.776
239.44		24.777
239.54		24.779
239.64		24.78
239.74		24.782
239.84		24.784
239.94		24.785
240.		24.786
240.01		
240.02		
240.05		24.787
240.14		24.788
240.24		24.79
240.34		24.791
240.44		24.793
240.54		24.794
240.64		24.796
240.74		24.797
240.84		24.799
240.94		24.801
241.		
241.01		24.802
241.02		

241.05	
241.14	24.804
241.24	24.805
241.34	24.807
241.44	24.808
241.54	24.81
241.64	24.812
241.74	24.813
241.84	24.815
241.94	24.816
242.	24.817
242.01	
242.02	24.818
242.05	
242.14	24.82
242.24	24.821
242.34	24.823
242.44	24.825
242.54	24.826
242.64	24.828
242.74	24.829
242.84	24.831
242.94	24.833
243.	
243.01	24.834
243.02	
243.05	24.835
243.14	24.836
243.24	24.838
243.34	24.839
243.44	24.841
243.54	24.843
243.64	24.845
243.74	24.846
243.84	24.848
243.94	24.85
244.	
244.01	24.851
244.02	
244.05	24.852
244.14	24.853
244.24	24.855
244.34	24.857
244.44	24.858
244.54	24.86
244.64	24.862
244.74	24.864
244.84	24.865
244.94	24.867
245.	
245.01	24.868
245.02	
245.05	24.869
245.14	24.871
245.24	24.872
245.34	24.874
245.44	24.876
245.54	24.878
245.64	24.88
245.74	24.881

245.84	24.883
245.94	24.885
246.	24.886
246.01	
246.02	
246.05	24.887
246.14	24.889
246.24	24.89
246.34	24.892
246.44	24.894
246.54	24.896
246.64	24.898
246.74	24.9
246.84	24.901
246.94	24.903
247.	24.904
247.01	24.905
247.02	
247.05	

	23.888	
247.14		24.907
247.24		24.909
247.34		24.911
247.44		24.913
247.54		24.914
247.64		24.916
247.74		24.918
247.84		24.92
247.94		24.922
248.		
248.01	23.887	24.923
248.02		
248.05		24.924
248.14		24.926
248.24		24.927
248.34		24.929
248.44		24.931
248.54		24.933
248.64		24.935
248.74		24.937
248.84		24.939
248.94		24.941
249.		
249.01		24.942
249.02		
249.05		24.943
249.14		24.945
249.24		24.946
249.34		24.948
249.44		24.95
249.54		24.952
249.64		24.954
249.74	23.886	24.956
249.84		24.958
249.94		24.96
250.		
250.01		24.961
250.02		
250.05		24.962
250.14		24.964
250.24		24.966
250.34		24.968
250.44		24.97
250.54		24.972
250.64		24.974
250.74		24.975
250.84		24.977
250.94		24.979
251.		
251.01		24.981
251.02		
251.05		24.982
251.14	23.885	24.983
251.24		24.985
251.34		24.987
251.44		24.989
251.54		24.991
251.64		24.993
251.74		24.995

251.84		24.997
251.94		24.999
252.		25.
252.01		
252.02		25.001
252.05		
252.14		25.003
252.24		25.005
252.34		25.007
252.44		25.009
252.54		25.011
252.64		25.013
252.74		25.015
252.84		25.017
252.94		25.019
253.		25.02
253.01		
253.02		
253.05		25.021
253.14		25.023
253.24		25.025
253.34		25.027
253.44	23.884	25.029
253.54		25.031
253.64		25.033
253.74		25.035
253.84		25.037
253.94		25.039
254.		25.04
254.01		
254.02		
254.05		25.041
254.14		25.043
254.24		25.045
254.34		25.047
254.44		25.049
254.54		25.051
254.64		25.053
254.74		25.055
254.84		25.057
254.94		25.059
255.		25.06
255.01		25.061
255.02		
255.05		
255.14		25.063
255.24		25.065
255.34	23.883	25.067
255.44		25.069
255.54		25.071
255.64		25.073
255.74		25.075
255.84		25.078
255.94		25.08
256.		25.081
256.01		
256.02		
256.05		25.082
256.14		25.084
256.24		25.086

256.34		25.088
256.44	23.882	25.09
256.54		25.092
256.64		25.094
256.74		25.096
256.84		25.098
256.94		25.1
257.		25.102
257.01		
257.02		
257.05		25.103
257.14		25.105
257.24		25.107
257.34		25.109
257.44		25.111
257.54		25.113
257.64		25.115
257.74		25.117
257.84		25.119
257.94		25.121
258.		25.123
258.01		
258.02		
258.05		25.124
258.14		25.125
258.24		25.128
258.34		25.13
258.44	23.881	25.132
258.54		25.134
258.64		25.136
258.74		25.138
258.84		25.14
258.94		25.142
259.		25.144
259.01		
259.02		
259.05		25.145
259.14		25.147
259.24		25.149
259.34		25.151
259.44		25.153
259.54		25.155
259.64		25.157
259.74		25.16
259.84		25.162
259.94		25.164
260.		25.165
260.01		
260.02		25.166
260.05		
260.14		25.168
260.24		25.17
260.34		25.173
260.44		25.175
260.54		25.177
260.64		25.179
260.74		25.181
260.84		25.183
260.94		25.186
261.		

261.01		25.187
261.02		
261.05		25.188
261.14		25.19
261.24		25.192
261.34		25.194
261.44		25.197
261.54		25.199
261.64		25.201
261.74		25.203
261.84	23.88	25.206
261.94		25.208
262.		25.209
262.01		
262.02		25.21
262.05		
262.14		25.212
262.24		25.215
262.34		25.217
262.44		25.219
262.54		25.221
262.64		25.224
262.74		25.226
262.84		25.228
262.94		25.23
263.		25.232
263.01		
263.02		
263.05		25.233
263.14		25.235
263.24		25.237
263.34		25.239
263.44		25.242
263.54		25.244
263.64	23.879	25.246
263.74		25.249
263.84		25.251
263.94		25.253
264.		25.255
264.01		
264.02		
264.05		25.256
264.14		25.258
264.24		25.26
264.34		25.262
264.44		25.265
264.54		25.267
264.64		25.269
264.74		25.272
264.84		25.274
264.94		25.276
265.		25.278
265.01		
265.02		
265.05		25.279
265.14		25.281
265.24		25.283
265.34		25.286
265.44		25.288
265.54		25.29

265.64		25.293
265.74		25.295
265.84		25.297
265.94		25.3
266.		25.301
266.01		
266.02		
266.05		25.302
266.14	23.878	25.304
266.24		25.307
266.34		25.309
266.44		25.311
266.54		25.314
266.64		25.316
266.74		25.318
266.84		25.321
266.94		25.323
267.		25.324
267.01		25.325
267.02		
267.05		25.326
267.14		25.328
267.24		25.33
267.34		25.332
267.44		25.335
267.54		25.337
267.64		25.34
267.74		25.342
267.84		25.344
267.94		25.347
268.		25.348
268.01		
268.02	23.877	25.349
268.05		
268.14		25.352
268.24		25.354
268.34		25.356
268.44		25.359
268.54		25.361
268.64		25.363
268.74		25.366
268.84		25.368
268.94		25.371
269.		25.372
269.01		
269.02		25.373
269.05		
269.14		25.376
269.24		25.378
269.34		25.38
269.44		25.383
269.54		25.385
269.64		25.388
269.74		25.39
269.84		25.393
269.94		25.395
270.		25.397
270.01		
270.02		
270.05		25.398

270.14		25.4
270.24		25.403
270.34		25.405
270.44		25.408
270.54		25.41
270.64		25.412
270.74		25.415
270.84		25.417
270.94	23.876	25.42
271.		25.421
271.01		25.422
271.02		
271.05		25.423
271.14		25.425
271.24		25.428
271.34		25.43
271.44		25.433
271.54		25.435
271.64		25.438
271.74		25.44
271.84		25.443
271.94		25.445
272.		25.447
272.01		
272.02		
272.05		25.448
272.14		25.45
272.24		25.453
272.34		25.455
272.44		25.458
272.54		25.46
272.64		25.463
272.74	23.875	25.466
272.84		25.468
272.94		25.471
273.		25.472
273.01		
273.02		25.473
273.05		25.474
273.14		25.476
273.24		25.478
273.34		25.481
273.44		25.484
273.54		25.486
273.64		25.489
273.74		25.491
273.84		25.494
273.94		25.497
274.		25.498
274.01		
274.02		25.499
274.05		
274.14		25.502
274.24		25.504
274.34		25.507
274.44		25.51
274.54		25.512
274.64		25.515
274.74		25.518
274.84		25.52

274.94		25.523
275.		25.524
275.01		25.525
275.02		
275.05		25.526
275.14		25.528
275.24		25.531
275.34		25.533
275.44		25.536
275.54	23.874	25.539
275.64		25.541
275.74		25.544
275.84		25.547
275.94		25.549
276.		25.551
276.01		
276.02		25.552
276.05		
276.14		25.555
276.24		25.558
276.34		25.56
276.44		25.563
276.54		25.566
276.64		25.568
276.74		25.571
276.84		25.574
276.94		25.577
277.		25.578
277.01		25.579
277.02		
277.05		25.58
277.14		25.582
277.24		25.585
277.34	23.873	25.588
277.44		25.59
277.54		25.593
277.64		25.596
277.74		25.599
277.84		25.601
277.94		25.604
278.		25.606
278.01		
278.02		
278.05		25.607
278.14		25.61
278.24		25.612
278.34		25.615
278.44		25.618
278.54		25.621
278.64		25.624
278.74		25.626
278.84		25.629
278.94		25.632
279.		25.634
279.01		
279.02		
279.05		25.635
279.14		25.638
279.24		25.64
279.34		25.643

279.44		25.646
279.54		25.649
279.64		25.652
279.74		25.655
279.84		25.658
279.94		25.661
280.		25.662
280.01	23.872	25.663
280.02		
280.05		25.664
280.14		25.666
280.24		25.669
280.34		25.672
280.44		25.675
280.54		25.678
280.64		25.681
280.74		25.684
280.84		25.687
280.94		25.69
281.		25.692
281.01		
281.02		25.693
281.05		
281.14		25.696
281.24		25.699
281.34	23.871	25.702
281.44		25.705
281.54		25.709
281.64		25.712
281.74		25.715
281.84		25.718
281.94		25.721
282.		25.723
282.01		
282.02		25.724
282.05		25.725
282.14		25.728
282.24		25.731
282.34		25.734
282.44		25.737
282.54		25.741
282.64		25.744
282.74		25.747
282.84		25.751
282.94	23.87	25.754
283.		25.756
283.01		25.757
283.02		
283.05		25.758
283.14		25.761
283.24		25.764
283.34		25.768
283.44		25.771
283.54		25.775
283.64		25.778
283.74		25.782
283.84	23.869	25.785
283.94		25.789
284.		25.791
284.01		25.792

284.02		
284.05		25.793
284.14		25.796
284.24		25.8
284.34		25.804
284.44		25.807
284.54	23.868	25.811
284.64		25.815
284.74		25.819
284.84		25.822
284.94		25.826
285.		25.828
285.01		25.829
285.02		
285.05		25.83
285.14		25.834
285.24		25.838
285.34		25.842
285.44	23.867	25.846
285.54		25.85
285.64		25.854
285.74		25.858
285.84		25.862
285.94		25.866
286.		25.868
286.01		25.869
286.02		
286.05		25.87
286.14		25.874
286.24	23.866	25.878
286.34		25.882
286.44		25.887
286.54		25.891
286.64		25.895
286.74		25.899
286.84		25.904
286.94	23.865	25.908
287.		25.911
287.01		
287.02		25.912
287.05		25.913
287.14		25.917
287.24		25.921
287.34		25.926
287.44		25.93
287.54		25.935
287.64	23.864	25.939
287.74		25.944
287.84		25.949
287.94		25.953
288.		25.956
288.01		
288.02		25.957
288.05		25.958
288.14		25.963
288.24	23.863	25.967
288.34		25.972
288.44		25.977
288.54		25.982
288.64		25.987

288.74	23.862	25.991
288.84		25.996
288.94		26.001
289.		26.004
289.01		26.005
289.02		
289.05		26.007
289.14		26.011
289.24		26.016
289.34	23.861	26.021
289.44		26.026
289.54		26.032
289.64		26.037
289.74		26.042
289.84	23.86	26.047
289.94		26.052
290.		26.055
290.01		26.056
290.02		
290.05		26.058
290.14		26.063
290.24	23.859	26.068
290.34		26.073
290.44		26.079
290.54		26.084
290.64		26.09
290.74	23.858	26.095
290.84		26.101
290.94		26.106
291.		26.109
291.01		26.11
291.02		26.111
291.05		26.112
291.14	23.857	26.117
291.24		26.123
291.34		26.129
291.44		26.134
291.54		26.14
291.64	23.856	26.146
291.74		26.152
291.84		26.157
291.94		26.163
292.	23.855	26.167
292.01		
292.02		26.168
292.05		26.17
292.14		26.175
292.24		26.181
292.34		26.187
292.44	23.854	26.193
292.54		26.199
292.64		26.205
292.74	23.853	26.211
292.84		26.218
292.94		26.224
293.		26.228
293.01		
293.02		26.229
293.05		26.231
293.14		26.236

293.24	23.852	26.243
293.34		26.249
293.44		26.256
293.54	23.851	26.262
293.64		26.269
293.74		26.275
293.84	23.85	26.282
293.94		26.288
294.		26.292
294.01		26.293
294.02		26.294
294.05		26.296
294.14	23.849	26.302
294.24		26.308
294.34		26.315
294.44		26.322
294.54	23.848	26.329
294.64		26.336
294.74		26.343
294.84	23.847	26.35
294.94		26.357
295.		26.361
295.01		26.362
295.02		
295.05		26.364
295.14	23.846	26.371
295.24		26.378
295.34		26.385
295.44	23.845	26.392
295.54		26.4
295.64		26.407
295.74	23.844	26.415
295.84		26.422
295.94	23.843	26.429
296.		26.434
296.01		26.435
296.02		
296.05		26.438
296.14		26.445
296.24	23.842	26.452
296.34		26.46
296.44		26.468
296.54	23.841	26.475
296.64		26.483
296.74		26.491
296.84	23.84	26.499
296.94		26.507
297.		26.512
297.01	23.839	
297.02		26.513
297.05		26.516
297.14		26.523
297.24		26.531
297.34	23.838	26.539
297.44		26.547
297.54	23.837	26.556
297.64		26.564
297.74		26.572
297.84	23.836	26.581
297.94		26.589

298.	23.835	26.594
298.01		26.595
298.02		26.596
298.05		26.599
298.14		26.606
298.24	23.834	26.615
298.34		26.624
298.44		26.633
298.54	23.833	26.641
298.64		26.65
298.74	23.832	26.659
298.84		26.668
298.94	23.831	26.677
299.		26.683
299.01		26.684
299.02		
299.05		26.687
299.14	23.83	26.695
299.24		26.705
299.34	23.829	26.714
299.44		26.723
299.54	23.828	26.733
299.64		26.742
299.74	23.827	26.751
299.84		26.761
299.94	23.826	26.771
300.		26.776
300.01		26.777
300.02		26.778
300.05		26.781
300.14	23.825	26.79
300.24		26.8
300.34	23.824	26.81
300.44		26.819
300.54	23.823	26.829
300.64		26.839
300.74	23.822	26.849
300.84		26.859
300.94	23.821	26.87
301.		26.876
301.01		26.877
301.02		26.878
301.05		26.881
301.14	23.82	26.89
301.24		26.9
301.34	23.819	26.911
301.44		26.921
301.54	23.818	26.932
301.64	23.817	26.942
301.74		26.953
301.84	23.816	26.964
301.94		26.974
302.	23.815	26.981
302.01		26.982
302.02		26.983
302.05		26.986
302.14		26.996
302.24	23.814	27.007
302.34	23.813	27.018
302.44		27.029

302.54	23.812	27.041
302.64		27.052
302.74	23.811	27.063
302.84	23.81	27.075
302.94		27.086
303.	23.809	27.093
303.01		27.094
303.02		27.095
303.05		27.099
303.14		27.109
303.24	23.808	27.121
303.34	23.807	27.133
303.44		27.145
303.54	23.806	27.157
303.64	23.805	27.169
303.74		27.181
303.84	23.804	27.193
303.94	23.803	27.205
304.		27.212
304.01		27.214
304.02		27.215
304.05		27.219
304.14	23.802	27.23
304.24	23.801	27.242
304.34		27.255
304.44	23.8	27.267
304.54	23.799	27.28
304.64		27.293
304.74	23.798	27.305
304.84	23.797	27.318
304.94	23.796	27.331
305.		27.339
305.01		27.34
305.02		27.342
305.05		27.346
305.14	23.795	27.357
305.24	23.794	27.37
305.34		27.384
305.44	23.793	27.397
305.54	23.792	27.41
305.64	23.791	27.424
305.74		27.437
305.84	23.79	27.451
305.94	23.789	27.465
306.		27.473
306.01		27.474
306.02	23.788	27.476
306.05		27.48
306.14		27.492
306.24	23.787	27.506
306.34	23.786	27.52
306.44	23.785	27.534
306.54	23.784	27.548
306.64		27.563
306.74	23.783	27.577
306.84	23.782	27.591
306.94	23.781	27.606
307.		27.615
307.01		27.616
307.02		27.618

307.05	23.78	27.622
307.14		27.635
307.24	23.779	27.65
307.34	23.778	27.665
307.44	23.777	27.68
307.54	23.776	27.695
307.64	23.775	27.71
307.74		27.725
307.84	23.774	27.741
307.94	23.773	27.756
308.	23.772	27.765
308.01		27.767
308.02		27.768
308.05		27.773
308.14	23.771	27.787
308.24	23.77	27.802
308.34	23.769	27.818
308.44	23.768	27.834
308.54		27.85
308.64	23.767	27.866
308.74	23.766	27.882
308.84	23.765	27.898
308.94	23.764	27.914
309.	23.763	27.923
309.01		27.925
309.02		27.927
309.05		27.932
309.14	23.762	27.946
309.24	23.761	27.963
309.34	23.76	27.979
309.44	23.759	27.995
309.54	23.758	28.012
309.64	23.757	28.029
309.74		28.045
309.84	23.756	28.062
309.94	23.755	28.079
310.	23.754	28.089
310.01		28.091
310.02		28.093
310.05		28.098
310.14	23.753	28.113
310.24	23.752	28.13
310.34	23.751	28.147
310.44	23.75	28.165
310.54	23.749	28.182
310.64	23.748	28.199
310.74	23.747	28.217
310.84	23.746	28.234
310.94	23.745	28.252
311.	23.744	28.262
311.01		28.264
311.02		28.266
311.05		28.271
311.14	23.743	28.287
311.24	23.742	28.305
311.34	23.741	28.323
311.44	23.74	28.341
311.54	23.739	28.359
311.64	23.738	28.377
311.74	23.737	28.396

311.84	23.736	28.414
311.94	23.735	28.432
312.	23.734	28.443
312.01		28.445
312.02		28.447
312.05		28.453
312.14	23.733	28.469
312.24	23.732	28.488
312.34	23.731	28.507
312.44	23.73	28.525
312.54	23.729	28.544
312.64	23.727	28.563
312.74	23.726	28.582
312.84	23.725	28.601
312.94	23.724	28.62
313.		28.632
313.01		28.634
313.02	23.723	28.636
313.05		28.642
313.14	23.722	28.659
313.24	23.721	28.678
313.34	23.72	28.698
313.44	23.719	28.717
313.54	23.718	28.737
313.64	23.717	28.756
313.74	23.716	28.776
313.84	23.714	28.796
313.94	23.713	28.816
314.		28.828
314.01		28.83
314.02		28.832
314.05	23.712	28.838
314.14	23.711	28.856
314.24	23.71	28.876
314.34	23.709	28.896
314.44	23.708	28.916
314.54	23.707	28.936
314.64	23.706	28.957
314.74	23.704	28.977
314.84	23.703	28.997
314.94	23.702	29.018
315.		29.03
315.01	23.701	29.032
315.02		29.034
315.05		29.041
315.14	23.7	29.059
315.24	23.699	29.08
315.34	23.698	29.101
315.44	23.697	29.122
315.54	23.695	29.143
315.64	23.694	29.164
315.74	23.693	29.185
315.84	23.692	29.206
315.94	23.691	29.227
316.	23.69	29.24
316.01		29.242
316.02		29.244
316.05	23.689	29.251
316.14	23.688	29.27
316.24	23.687	29.291

316.34	23.686	29.313
316.44	23.685	29.334
316.54	23.684	29.356
316.64	23.683	29.377
316.74	23.681	29.399
316.84	23.68	29.421
316.94	23.679	29.443
317.	23.678	29.456
317.01		29.458
317.02		29.46
317.05		29.467
317.14	23.677	29.487
317.24	23.675	29.509
317.34	23.674	29.531
317.44	23.673	29.553
317.54	23.672	29.576
317.64	23.671	29.598
317.74	23.669	29.62
317.84	23.668	29.643
317.94	23.667	29.666
318.	23.666	29.679
318.01		29.681
318.02		29.684
318.05		29.69
318.14	23.665	29.711
318.24	23.663	29.734
318.34	23.662	29.757
318.44	23.661	29.78
318.54	23.66	29.803
318.64	23.658	29.826
318.74	23.657	29.849
318.84	23.656	29.872
318.94	23.655	29.895
319.	23.654	29.909
319.01		29.911
319.02		29.914
319.05	23.653	29.921
319.14	23.652	29.942
319.24	23.651	29.965
319.34	23.65	29.989
319.44	23.649	30.012
319.54	23.647	30.036
319.64	23.646	30.059
319.74	23.645	30.083
319.84	23.644	30.107
319.94	23.642	30.131
320.		30.145
320.01	23.641	30.147
320.02		30.15
320.05		30.157
320.14	23.64	30.178
320.24	23.639	30.202
320.34	23.637	30.226
320.44	23.636	30.251
320.54	23.635	30.275
320.64	23.634	30.299
320.74	23.632	30.323
320.84	23.631	30.348
320.94	23.63	30.372
321.		30.387

321.01	23.629	30.389
321.02		30.392
321.05	23.628	30.399
321.14	23.627	30.421
321.24	23.626	30.446
321.34	23.625	30.471
321.44	23.623	30.496
321.54	23.622	30.521
321.64	23.621	30.545
321.74	23.62	30.57
321.84	23.618	30.595
321.94	23.617	30.621
322.	23.616	30.636
322.01		30.638
322.02		30.641
322.05		30.648
322.14	23.614	30.671
322.24	23.613	30.696
322.34	23.612	30.722
322.44	23.611	30.747
322.54	23.609	30.773
322.64	23.608	30.798
322.74	23.607	30.824
322.84	23.605	30.849
322.94	23.604	30.875
323.	23.603	30.891
323.01		30.893
323.02		30.896
323.05		30.903
323.14	23.601	30.927
323.24	23.6	30.953
323.34	23.599	30.979
323.44	23.598	31.005
323.54	23.596	31.031
323.64	23.595	31.057
323.74	23.594	31.083
323.84	23.592	31.109
323.94	23.591	31.135
324.	23.59	31.151
324.01		31.154
324.02		31.156
324.05		31.164
324.14	23.588	31.188
324.24	23.587	31.214
324.34	23.586	31.241
324.44	23.585	31.267
324.54	23.583	31.294
324.64	23.582	31.32
324.74	23.581	31.347
324.84	23.579	31.374
324.94	23.578	31.4
325.	23.577	31.417
325.01		31.419
325.02		31.422
325.05		31.43
325.14	23.575	31.454
325.24	23.574	31.481
325.34	23.573	31.508
325.44	23.571	31.535
325.54	23.57	31.563

325.64	23.569	31.59
325.74	23.567	31.617
325.84	23.566	31.644
325.94	23.565	31.672
326.	23.564	31.688
326.01		31.691
326.02		31.694
326.05	23.563	31.702
326.14	23.562	31.727
326.24	23.561	31.754
326.34	23.559	31.782
326.44	23.558	31.809
326.54	23.557	31.837
326.64	23.556	31.865
326.74	23.554	31.893
326.84	23.553	31.92
326.94	23.552	31.948
327.	23.551	31.965
327.01		31.968
327.02		31.971
327.05	23.55	31.979
327.14	23.549	32.004
327.24	23.548	32.032
327.34	23.546	32.06
327.44	23.545	32.088
327.54	23.544	32.116
327.64	23.542	32.144
327.74	23.541	32.173
327.84	23.54	32.201
327.94	23.538	32.229
328.		32.246
328.01		32.249
328.02	23.537	32.252
328.05		32.26
328.14	23.536	32.286
328.24	23.535	32.314
328.34	23.533	32.342
328.44	23.532	32.371
328.54	23.531	32.399
328.64	23.529	32.428
328.74	23.528	32.456
328.84	23.527	32.485
328.94	23.525	32.513
329.		32.53
329.01		32.533
329.02	23.524	32.536
329.05		32.545
329.14	23.523	32.571
329.24	23.522	32.599
329.34	23.52	32.628
329.44	23.519	32.657
329.54	23.518	32.686
329.64	23.516	32.714
329.74	23.515	32.743
329.84	23.514	32.772
329.94	23.513	32.801
330.	23.512	32.818
330.01		32.821
330.02		32.824
330.05	23.511	32.833

330.14	23.51	32.859
330.24	23.509	32.888
330.34	23.507	32.917
330.44	23.506	32.946
330.54	23.505	32.975
330.64	23.504	33.004
330.74	23.502	33.033
330.84	23.501	33.063
330.94	23.5	33.092
331.	23.499	33.109
331.01		33.112
331.02		33.115
331.05	23.498	33.124
331.14	23.497	33.15
331.24	23.496	33.18
331.34	23.495	33.209
331.44	23.494	33.238
331.54	23.492	33.268
331.64	23.491	33.297
331.74	23.49	33.326
331.84	23.489	33.356
331.94	23.487	33.385
332.		33.403
332.01		33.406
332.02	23.486	33.409
332.05		33.418
332.14	23.485	33.444
332.24	23.484	33.474
332.34	23.483	33.503
332.44	23.481	33.533
332.54	23.48	33.562
332.64	23.479	33.592
332.74	23.478	33.621
332.84	23.476	33.651
332.94	23.475	33.681
333.		33.699
333.01	23.474	33.701
333.02		33.704
333.05		33.713
333.14	23.473	33.74
333.24	23.472	33.77
333.34	23.47	33.8
333.44	23.469	33.829
333.54	23.468	33.859
333.64	23.467	33.889
333.74	23.466	33.919
333.84	23.464	33.949
333.94	23.463	33.979
334.		33.997
334.01	23.462	34.
334.02		34.003
334.05		34.012
334.14	23.461	34.039
334.24	23.46	34.069
334.34	23.459	34.099
334.44	23.457	34.129
334.54	23.456	34.159
334.64	23.455	34.189
334.74	23.454	34.219
334.84	23.453	34.249

334.94	23.452	34.279
335.	23.451	34.298
335.01		34.301
335.02		34.304
335.05	23.45	34.313
335.14	23.449	34.34
335.24	23.448	34.37
335.34	23.447	34.4
335.44	23.446	34.431
335.54	23.445	34.461
335.64	23.444	34.491
335.74	23.442	34.522
335.84	23.441	34.552
335.94	23.44	34.583
336.	23.439	34.601
336.01		34.604
336.02		34.607
336.05		34.616
336.14	23.438	34.644
336.24	23.437	34.674
336.34	23.436	34.705
336.44	23.434	34.735
336.54	23.433	34.766
336.64	23.432	34.796
336.74	23.431	34.827
336.84	23.43	34.858
336.94	23.429	34.888
337.	23.428	34.907
337.01		34.91
337.02		34.913
337.05		34.922
337.14	23.427	34.95
337.24	23.426	34.98
337.34	23.424	35.011
337.44	23.423	35.042
337.54	23.422	35.073
337.64	23.421	35.104
337.74	23.42	35.134
337.84	23.419	35.165
337.94	23.418	35.196
338.	23.417	35.215
338.01		35.218
338.02		35.221
338.05		35.23
338.14	23.416	35.258
338.24	23.415	35.289
338.34	23.414	35.32
338.44	23.413	35.351
338.54	23.411	35.382
338.64	23.41	35.413
338.74	23.409	35.444
338.84	23.408	35.475
338.94	23.407	35.506
339.		35.525
339.01	23.406	35.528
339.02		35.531
339.05		35.54
339.14	23.405	35.568
339.24	23.404	35.6
339.34	23.403	35.631

339.44	23.402	35.662
339.54	23.401	35.693
339.64	23.4	35.724
339.74	23.399	35.755
339.84	23.398	35.787
339.94	23.397	35.818
340.	23.396	35.837
340.01		35.84
340.02		35.843
340.05		35.852
340.14	23.395	35.881
340.24	23.394	35.912
340.34	23.393	35.943
340.44	23.392	35.975
340.54	23.391	36.006
340.64	23.39	36.037
340.74	23.389	36.069
340.84	23.388	36.1
340.94	23.387	36.132
341.	23.386	36.15
341.01		36.154
341.02		36.157
341.05		36.166
341.14	23.385	36.194
341.24	23.384	36.226
341.34	23.383	36.257
341.44	23.382	36.289
341.54	23.381	36.32
341.64	23.38	36.352
341.74	23.379	36.383
341.84	23.378	36.415
341.94	23.377	36.446
342.	23.376	36.465
342.01		36.468
342.02		36.472
342.05		36.481
342.14	23.375	36.51
342.24	23.374	36.541
342.34	23.373	36.573
342.44	23.372	36.604
342.54	23.371	36.636
342.64	23.37	36.667
342.74	23.369	36.699
342.84	23.368	36.731
342.94		36.762
343.	23.367	36.781
343.01		36.784
343.02		36.787
343.05		36.797
343.14	23.366	36.825
343.24	23.365	36.857
343.34	23.364	36.889
343.44	23.363	36.92
343.54	23.362	36.952
343.64	23.361	36.984
343.74	23.36	37.015
343.84	23.359	37.047
343.94		37.079
344.	23.358	37.098
344.01		37.101

344.02		37.104
344.05		37.113
344.14	23.357	37.142
344.24	23.356	37.174
344.34	23.355	37.205
344.44	23.354	37.237
344.54	23.353	37.269
344.64	23.352	37.301
344.74		37.333
344.84	23.351	37.364
344.94	23.35	37.396
345.	23.349	37.415
345.01		37.418
345.02		37.422
345.05		37.431
345.14	23.348	37.46
345.24	23.347	37.492
345.34	23.346	37.523
345.44		37.555
345.54	23.345	37.587
345.64	23.344	37.619
345.74	23.343	37.651
345.84	23.342	37.683
345.94		37.714
346.	23.341	37.734
346.01		37.737
346.02		37.74
346.05		37.75
346.14	23.34	37.778
346.24	23.339	37.81
346.34	23.338	37.842
346.44		37.874
346.54	23.337	37.906
346.64	23.336	37.938
346.74	23.335	37.97
346.84	23.334	38.002
346.94		38.034
347.	23.333	38.053
347.01		38.056
347.02		38.059
347.05		38.069
347.14	23.332	38.097
347.24	23.331	38.129
347.34		38.161
347.44	23.33	38.193
347.54	23.329	38.225
347.64	23.328	38.257
347.74		38.289
347.84	23.327	38.321
347.94	23.326	38.353
348.		38.373
348.01		38.376
348.02	23.325	38.379
348.05		38.389
348.14		38.417
348.24	23.324	38.449
348.34	23.323	38.481
348.44	23.322	38.513
348.54		38.545
348.64	23.321	38.577

348.74	23.32	38.609
348.84		38.641
348.94	23.319	38.673
349.	23.318	38.693
349.01		38.696
349.02		38.699
349.05		38.709
349.14	23.317	38.737
349.24		38.77
349.34	23.316	38.802
349.44	23.315	38.834
349.54		38.866
349.64	23.314	38.898
349.74	23.313	38.93
349.84		38.962
349.94	23.312	38.994
350.		39.013
350.01		39.016
350.02		39.02
350.05	23.311	39.029
350.14		39.058
350.24	23.31	39.09
350.34	23.309	39.122
350.44		39.154
350.54	23.308	39.187
350.64		39.219
350.74	23.307	39.251
350.84	23.306	39.283
350.94		39.315
351.	23.305	39.334
351.01		39.338
351.02		39.341
351.05		39.35
351.14	23.304	39.379
351.24		39.411
351.34	23.303	39.444
351.44		39.476
351.54	23.302	39.508
351.64	23.301	39.54
351.74		39.572
351.84	23.3	39.604
351.94		39.636
352.	23.299	39.655
352.01		39.659
352.02		39.662
352.05		39.672
352.14		39.7
352.24	23.298	39.733
352.34	23.297	39.765
352.44		39.797
352.54	23.296	39.829
352.64		39.861
352.74	23.295	39.893
352.84		39.925
352.94	23.294	39.957
353.		39.977
353.01		39.98
353.02		39.983
353.05	23.293	39.993
353.14		40.022

353.24	23.292	40.054
353.34		40.086
353.44	23.291	40.118
353.54		40.15
353.64	23.29	40.182
353.74		40.214
353.84	23.289	40.246
353.94		40.278
354.		40.297
354.01		40.3
354.02	23.288	40.304
354.05		40.313
354.14		40.342
354.24	23.287	40.374
354.34		40.406
354.44	23.286	40.438
354.54		40.47
354.64		40.502
354.74	23.285	40.534
354.84		40.566
354.94	23.284	40.598
355.		40.617
355.01		40.62
355.02		40.624
355.05		40.633
355.14	23.283	40.662
355.24		40.694
355.34	23.282	40.726
355.44		40.758
355.54		40.79
355.64	23.281	40.822
355.74		40.854
355.84	23.28	40.886
355.94		40.918
356.		40.937
356.01		40.94
356.02		40.943
356.05	23.279	40.953
356.14		40.982
356.24		41.014
356.34	23.278	41.045
356.44		41.077
356.54		41.109
356.64	23.277	41.141
356.74		41.173
356.84	23.276	41.205
356.94		41.237
357.		41.256
357.01		41.259
357.02		41.262
357.05		41.272
357.14	23.275	41.3
357.24		41.332
357.34		41.364
357.44	23.274	41.396
357.54		41.428
357.64		41.46
357.74	23.273	41.491
357.84		41.523
357.94		41.555

358.	23.272	41.574
358.01		41.577
358.02		41.58
358.05		41.59
358.14		41.619
358.24		41.65
358.34	23.271	41.682
358.44		41.714
358.54		41.746
358.64	23.27	41.778
358.74		41.809
358.84		41.841
358.94		41.873
359.	23.269	41.892
359.01		41.895
359.02		41.898
359.05		41.908
359.14		41.937
359.24		41.968
359.34	23.268	42.
359.44		42.032
359.54		42.064
359.64		42.095
359.74	23.267	42.127
359.84		42.159
359.94		42.191
360.		42.21
360.01		42.213
360.02		42.216
360.05		42.226
360.14	23.266	42.254
360.24		42.286
360.34		42.318
360.44		42.349
360.54		42.381
360.64	23.265	42.413
360.74		42.445
360.84		42.476
360.94		42.508
361.		42.527
361.01		42.53
361.02		42.533
361.05	23.264	42.543
361.14		42.571
361.24		42.603
361.34		42.635
361.44		42.667
361.54		42.698
361.64	23.263	42.73
361.74		42.762
361.84		42.793
361.94		42.825
362.		42.844
362.01		42.847
362.02		42.85
362.05		42.86
362.14		42.888
362.24	23.262	42.92
362.34		42.952
362.44		42.984

362.54		43.015
362.64		43.047
362.74		43.079
362.84	23.261	43.11
362.94		43.142
363.		43.161
363.01		43.164
363.02		43.167
363.05		43.177
363.14		43.205
363.24		43.237
363.34		43.268
363.44		43.3
363.54		43.332
363.64		43.363
363.74	23.26	43.395
363.84		43.426
363.94		43.458
364.		43.477
364.01		43.48
364.02		43.483
364.05		43.493
364.14		43.521
364.24		43.553
364.34		43.584
364.44		43.616
364.54		43.647
364.64		43.679
364.74		43.711
364.84		43.742
364.94		43.774
365.	23.259	43.793
365.01		43.796
365.02		43.799
365.05		43.808
365.14		43.837
365.24		43.868
365.34		43.9
365.44		43.931
365.54		43.963
365.64		43.994
365.74		44.026
365.84		44.057
365.94		44.089
366.		44.108
366.01		44.111
366.02		44.114
366.05		44.123
366.14		44.152
366.24		44.183
366.34		44.214
366.44		44.246
366.54		44.277
366.64		44.309
366.74		44.34
366.84		44.372
366.94		44.403
367.		44.422
367.01		44.425
367.02		44.428

367.05		44.438
367.14		44.466
367.24		44.497
367.34		44.529
367.44		44.56
367.54		44.592
367.64		44.623
367.74		44.655
367.84		44.686
367.94		44.718
368.		44.737
368.01		44.74
368.02		44.743
368.05		44.752
368.14		44.781
368.24		44.812
368.34		44.844
368.44		44.875
368.54		44.907
368.64	23.26	44.938
368.74		44.97
368.84		45.001
368.94		45.033
369.		45.052
369.01		45.055
369.02		45.058
369.05		45.068
369.14		45.096
369.24		45.127
369.34		45.159
369.44		45.191
369.54		45.222
369.64		45.254
369.74		45.285
369.84		45.317
369.94		45.348
370.	23.261	45.367
370.01		45.37
370.02		45.373
370.05		45.383
370.14		45.411
370.24		45.443
370.34		45.474
370.44		45.506
370.54		45.537
370.64		45.569
370.74		45.6
370.84		45.632
370.94	23.262	45.663
371.		45.682
371.01		45.685
371.02		45.688
371.05		45.698
371.14		45.726
371.24		45.757
371.34		45.789
371.44	23.263	45.82
371.54		45.852
371.64		45.883
371.74		45.915

371.84	23.264	45.946
371.94		45.978
372.		45.996
372.01		46.
372.02		46.003
372.05		46.012
372.14		46.04
372.24		46.072
372.34		46.103
372.44	23.265	46.135
372.54		46.166
372.64		46.197
372.74		46.229
372.84		46.26
372.94	23.266	46.291
373.		46.31
373.01		46.313
373.02		46.316
373.05		46.326
373.14		46.354
373.24		46.385
373.34		46.416
373.44	23.267	46.448
373.54		46.479
373.64		46.51
373.74		46.542
373.84	23.268	46.573
373.94		46.604
374.		46.623
374.01		46.626
374.02		46.629
374.05		46.639
374.14		46.667
374.24	23.269	46.698
374.34		46.729
374.44		46.76
374.54		46.792
374.64	23.27	46.823
374.74		46.854
374.84		46.885
374.94		46.917
375.	23.271	46.935
375.01		46.938
375.02		46.942
375.05		46.951
375.14		46.979
375.24		47.01
375.34	23.272	47.041
375.44		47.072
375.54		47.104
375.64		47.135
375.74	23.273	47.166
375.84		47.197
375.94		47.228
376.	23.274	47.247
376.01		47.25
376.02		47.253
376.05		47.263
376.14		47.291
376.24		47.322

376.34	23.275	47.353
376.44		47.384
376.54		47.415
376.64	23.276	47.446
376.74		47.477
376.84		47.508
376.94	23.277	47.539
377.		47.558
377.01		47.561
377.02		47.564
377.05		47.574
377.14		47.602
377.24	23.278	47.633
377.34		47.664
377.44		47.695
377.54	23.279	47.726
377.64		47.757
377.74		47.788
377.84	23.28	47.819
377.94		47.85
378.		47.869
378.01		47.872
378.02		47.875
378.05		47.884
378.14	23.281	47.912
378.24		47.943
378.34	23.282	47.974
378.44		48.005
378.54		48.036
378.64	23.283	48.067
378.74		48.098
378.84	23.284	48.129
378.94		48.16
379.		48.179
379.01		48.182
379.02		48.185
379.05		48.194
379.14	23.285	48.222
379.24		48.253
379.34	23.286	48.284
379.44		48.315
379.54		48.346
379.64	23.287	48.377
379.74		48.408
379.84	23.288	48.439
379.94		48.47
380.		48.489
380.01		48.492
380.02		48.495
380.05		48.504
380.14	23.289	48.532
380.24		48.563
380.34	23.29	48.594
380.44		48.625
380.54	23.291	48.656
380.64		48.687
380.74		48.718
380.84	23.292	48.749
380.94		48.78
381.		48.799

381.01	23.293	48.802
381.02		48.805
381.05		48.814
381.14		48.842
381.24	23.294	48.873
381.34		48.904
381.44	23.295	48.935
381.54		48.966
381.64	23.296	48.997
381.74		49.028
381.84	23.297	49.059
381.94		49.09
382.		49.108
382.01		49.111
382.02		49.115
382.05	23.298	49.124
382.14		49.152
382.24		49.183
382.34	23.299	49.214
382.44		49.244
382.54	23.3	49.275
382.64		49.306
382.74	23.301	49.337
382.84		49.368
382.94	23.302	49.399
383.		49.418
383.01		49.421
383.02		49.424
383.05		49.433
383.14	23.303	49.461
383.24		49.492
383.34	23.304	49.523
383.44		49.554
383.54	23.305	49.585
383.64	23.306	49.616
383.74		49.646
383.84	23.307	49.677
383.94		49.708
384.		49.727
384.01		49.73
384.02		49.733
384.05	23.308	49.742
384.14		49.77
384.24	23.309	49.801
384.34		49.832
384.44	23.31	49.863
384.54		49.894
384.64	23.311	49.925
384.74		49.956
384.84	23.312	49.987
384.94		50.018
385.	23.313	50.036
385.01		50.039
385.02		50.043
385.05		50.052
385.14	23.314	50.08
385.24		50.111
385.34	23.315	50.142
385.44		50.173
385.54	23.316	50.204

385.64		50.235
385.74	23.317	50.265
385.84		50.296
385.94	23.318	50.327
386.		50.346
386.01		50.349
386.02		50.352
386.05	23.319	50.362
386.14		50.389
386.24	23.32	50.42
386.34		50.451
386.44	23.321	50.482
386.54		50.513
386.64	23.322	50.544
386.74	23.323	50.575
386.84		50.607
386.94	23.324	50.638
387.		50.656
387.01		50.659
387.02		50.662
387.05		50.672
387.14	23.325	50.7
387.24	23.326	50.731
387.34		50.762
387.44	23.327	50.793
387.54		50.824
387.64	23.328	50.855
387.74	23.329	50.887
387.84		50.918
387.94	23.33	50.949
388.		50.968
388.01		50.971
388.02		50.974
388.05		50.983
388.14	23.331	51.011
388.24	23.332	51.042
388.34		51.074
388.44	23.333	51.105
388.54		51.136
388.64	23.334	51.167
388.74	23.335	51.198
388.84		51.229
388.94	23.336	51.26
389.		51.279
389.01		51.282
389.02		51.285
389.05		51.295
389.14	23.337	51.323
389.24	23.338	51.354
389.34		51.385
389.44	23.339	51.416
389.54	23.34	51.447
389.64		51.479
389.74	23.341	51.51
389.84		51.541
389.94	23.342	51.572
390.	23.343	51.591
390.01		51.594
390.02		51.597
390.05		51.606

390.14		51.634
390.24	23.344	51.665
390.34	23.345	51.697
390.44		51.728
390.54	23.346	51.759
390.64	23.347	51.79
390.74		51.821
390.84	23.348	51.852
390.94	23.349	51.884
391.		51.902
391.01		51.906
391.02		51.909
391.05		51.918
391.14	23.35	51.946
391.24	23.351	51.977
391.34		52.008
391.44	23.352	52.04
391.54	23.353	52.071
391.64		52.102
391.74	23.354	52.133
391.84	23.355	52.165
391.94		52.196
392.	23.356	52.215
392.01		52.218
392.02		52.221
392.05		52.23
392.14	23.357	52.258
392.24		52.289
392.34	23.358	52.321
392.44	23.359	52.352
392.54		52.383
392.64	23.36	52.414
392.74	23.361	52.445
392.84	23.362	52.477
392.94		52.508
393.	23.363	52.526
393.01		52.53
393.02		52.533
393.05		52.542
393.14	23.364	52.57
393.24		52.601
393.34	23.365	52.632
393.44	23.366	52.664
393.54	23.367	52.695
393.64		52.726
393.74	23.368	52.757
393.84	23.369	52.788
393.94		52.819
394.	23.37	52.838
394.01		52.841
394.02		52.844
394.05		52.854
394.14	23.371	52.882
394.24	23.372	52.913
394.34		52.944
394.44	23.373	52.975
394.54	23.374	53.006
394.64	23.375	53.037
394.74		53.068
394.84	23.376	53.099

394.94	23.377	53.13
395.		53.149
395.01		53.152
395.02		53.155
395.05	23.378	53.165
395.14		53.193
395.24	23.379	53.224
395.34	23.38	53.255
395.44	23.381	53.286
395.54		53.317
395.64	23.382	53.348
395.74	23.383	53.379
395.84	23.384	53.41
395.94		53.441
396.	23.385	53.46
396.01		53.463
396.02		53.466
396.05		53.475
396.14	23.386	53.503
396.24	23.387	53.534
396.34	23.388	53.565
396.44		53.596
396.54	23.389	53.627
396.64	23.39	53.658
396.74	23.391	53.689
396.84	23.392	53.72
396.94		53.751
397.	23.393	53.769
397.01		53.773
397.02		53.776
397.05		53.785
397.14	23.394	53.813
397.24	23.395	53.844
397.34	23.396	53.875
397.44		53.906
397.54	23.397	53.936
397.64	23.398	53.967
397.74	23.399	53.998
397.84	23.4	54.029
397.94	23.401	54.06
398.		54.079
398.01		54.082
398.02		54.085
398.05		54.094
398.14	23.402	54.122
398.24	23.403	54.153
398.34	23.404	54.184
398.44	23.405	54.215
398.54	23.406	54.245
398.64		54.276
398.74	23.407	54.307
398.84	23.408	54.338
398.94	23.409	54.369
399.		54.387
399.01		54.39
399.02	23.41	54.393
399.05		54.403
399.14	23.411	54.43
399.24		54.461
399.34	23.412	54.492

399.44	23.413	54.523
399.54	23.414	54.554
399.64	23.415	54.584
399.74	23.416	54.615
399.84	23.417	54.646
399.94	23.418	54.677
400.		54.695
400.01		54.698
400.02		54.701
400.05		54.711
400.14	23.419	54.738
400.24	23.42	54.769
400.34	23.421	54.8
400.44	23.422	54.831
400.54	23.423	54.861
400.64	23.424	54.892
400.74	23.425	54.923
400.84	23.426	54.953
400.94		54.984
401.	23.427	55.003
401.01		55.006
401.02		55.009
401.05		55.018
401.14	23.428	55.045
401.24	23.429	55.076
401.34	23.43	55.107
401.44	23.431	55.138
401.54	23.432	55.168
401.64	23.433	55.199
401.74	23.434	55.229
401.84	23.435	55.26
401.94	23.436	55.291
402.		55.309
402.01		55.312
402.02		55.315
402.05	23.437	55.324
402.14		55.352
402.24	23.438	55.382
402.34	23.439	55.413
402.44	23.44	55.444
402.54	23.441	55.474
402.64	23.442	55.505
402.74	23.443	55.535
402.84	23.444	55.566
402.94	23.445	55.596
403.	23.446	55.615
403.01		55.618
403.02		55.621
403.05		55.63
403.14	23.447	55.657
403.24	23.448	55.688
403.34	23.449	55.718
403.44	23.45	55.749
403.54	23.451	55.78
403.64	23.452	55.81
403.74	23.453	55.84
403.84	23.454	55.871
403.94	23.455	55.901
404.		55.92
404.01		55.923

404.02		55.926
404.05	23.456	55.935
404.14	23.457	55.962
404.24	23.458	55.993
404.34	23.459	56.023
404.44	23.46	56.054
404.54	23.461	56.084
404.64	23.462	56.115
404.74		56.145
404.84	23.463	56.175
404.94	23.464	56.206
405.	23.465	56.224
405.01		56.227
405.02		56.23
405.05	23.466	56.239
405.14	23.467	56.267
405.24	23.468	56.297
405.34	23.469	56.327
405.44	23.47	56.358
405.54	23.471	56.388
405.64	23.472	56.418
405.74	23.473	56.449
405.84	23.474	56.479
405.94	23.475	56.509
406.		56.528
406.01		56.531
406.02		56.534
406.05	23.476	56.543
406.14	23.477	56.57
406.24	23.478	56.6
406.34	23.479	56.631
406.44	23.48	56.661
406.54	23.481	56.691
406.64	23.482	56.721
406.74	23.483	56.752
406.84	23.484	56.782
406.94	23.485	56.812
407.	23.486	56.83
407.01		56.833
407.02		56.836
407.05		56.845
407.14	23.487	56.873
407.24	23.488	56.903
407.34	23.489	56.933
407.44	23.49	56.963
407.54	23.491	56.993
407.64	23.492	57.024
407.74	23.493	57.054
407.84	23.495	57.084
407.94	23.496	57.114
408.		57.132
408.01		57.135
408.02		57.138
408.05	23.497	57.147
408.14	23.498	57.174
408.24	23.499	57.204
408.34	23.5	57.235
408.44	23.501	57.265
408.54	23.502	57.295
408.64	23.503	57.325

408.74	23.504	57.355
408.84	23.505	57.385
408.94	23.507	57.415
409.		57.433
409.01		57.436
409.02		57.439
409.05	23.508	57.448
409.14	23.509	57.475
409.24	23.51	57.505
409.34	23.511	57.535
409.44	23.512	57.565
409.54	23.513	57.595
409.64	23.514	57.625
409.74	23.515	57.655
409.84	23.517	57.685
409.94	23.518	57.715
410.		57.733
410.01		57.736
410.02	23.519	57.739
410.05		57.748
410.14	23.52	57.775
410.24	23.521	57.805
410.34	23.522	57.835
410.44	23.523	57.865
410.54	23.524	57.895
410.64	23.526	57.925
410.74	23.527	57.954
410.84	23.528	57.984
410.94	23.529	58.014
411.	23.53	58.032
411.01		58.035
411.02		58.038
411.05		58.047
411.14	23.531	58.074
411.24	23.532	58.104
411.34	23.534	58.134
411.44	23.535	58.163
411.54	23.536	58.193
411.64	23.537	58.223
411.74	23.538	58.253
411.84	23.539	58.283
411.94	23.541	58.312
412.		58.33
412.01		58.333
412.02	23.542	58.336
412.05		58.345
412.14	23.543	58.372
412.24	23.544	58.402
412.34	23.545	58.432
412.44	23.546	58.461
412.54	23.548	58.491
412.64	23.549	58.521
412.74	23.55	58.551
412.84	23.551	58.58
412.94	23.552	58.61
413.	23.553	58.628
413.01		58.631
413.02		58.634
413.05	23.554	58.643
413.14	23.555	58.669

413.24	23.556	58.699
413.34	23.557	58.729
413.44	23.558	58.758
413.54	23.56	58.788
413.64	23.561	58.818
413.74	23.562	58.847
413.84	23.563	58.877
413.94	23.564	58.907
414.	23.565	58.925
414.01		58.928
414.02		58.93
414.05	23.566	58.939
414.14	23.567	58.966
414.24	23.568	58.996
414.34	23.569	59.025
414.44	23.57	59.055
414.54	23.572	59.084
414.64	23.573	59.114
414.74	23.574	59.144
414.84	23.575	59.173
414.94	23.577	59.203
415.		59.22
415.01	23.578	59.223
415.02		59.226
415.05		59.235
415.14	23.579	59.262
415.24	23.58	59.291
415.34	23.582	59.321
415.44	23.583	59.35
415.54	23.584	59.379
415.64	23.585	59.409
415.74	23.587	59.438
415.84	23.588	59.468
415.94	23.589	59.497
416.	23.59	59.515
416.01		59.518
416.02		59.521
416.05	23.591	59.529
416.14	23.592	59.556
416.24	23.593	59.585
416.34	23.594	59.614
416.44	23.596	59.644
416.54	23.597	59.673
416.64	23.598	59.702
416.74	23.599	59.732
416.84	23.601	59.761
416.94	23.602	59.79
417.	23.603	59.808
417.01		59.811
417.02		59.814
417.05		59.822
417.14	23.604	59.849
417.24	23.606	59.878
417.34	23.607	59.907
417.44	23.608	59.936
417.54	23.61	59.965
417.64	23.611	59.995
417.74	23.612	60.024
417.84	23.614	60.053
417.94	23.615	60.082

418.	23.616	60.1
418.01		60.103
418.02		60.105
418.05		60.114
418.14	23.618	60.14
418.24	23.619	60.17
418.34	23.62	60.199
418.44	23.621	60.228
418.54	23.623	60.257
418.64	23.624	60.286
418.74	23.625	60.315
418.84	23.627	60.344
418.94	23.628	60.373
419.	23.629	60.391
419.01		60.394
419.02		60.397
419.05	23.63	60.405
419.14	23.631	60.432
419.24	23.632	60.461
419.34	23.633	60.49
419.44	23.635	60.519
419.54	23.636	60.548
419.64	23.637	60.577
419.74	23.639	60.606
419.84	23.64	60.635
419.94	23.642	60.664
420.		60.681
420.01		60.684
420.02	23.643	60.687
420.05		60.696
420.14	23.644	60.722
420.24	23.646	60.751
420.34	23.647	60.78
420.44	23.648	60.808
420.54	23.65	60.837
420.64	23.651	60.866
420.74	23.652	60.895
420.84	23.654	60.924
420.94	23.655	60.953
421.	23.656	60.97
421.01		60.973
421.02		60.976
421.05	23.657	60.985
421.14	23.658	61.011
421.24	23.659	61.039
421.34	23.661	61.068
421.44	23.662	61.097
421.54	23.663	61.126
421.64		61.155
421.74	23.662	61.183
421.84		61.212
421.94		61.241
422.		61.258
422.01		61.261
422.02		61.264
422.05		61.272
422.14	23.661	61.298
422.24		61.327
422.34		61.356
422.44		61.384

422.54	23.66	61.413
422.64		61.442
422.74		61.47
422.84	23.659	61.499
422.94		61.528
423.		61.545
423.01		61.548
423.02		61.551
423.05		61.559
423.14		61.585
423.24	23.658	61.614
423.34		61.642
423.44		61.671
423.54	23.657	61.699
423.64		61.728
423.74		61.756
423.84		61.785
423.94	23.656	61.813
424.		61.83
424.01		61.833
424.02		61.836
424.05		61.845
424.14		61.87
424.24		61.899
424.34	23.655	61.927
424.44		61.956
424.54		61.984
424.64		62.013
424.74	23.654	62.041
424.84		62.07
424.94		62.098
425.		62.115
425.01		62.118
425.02		62.121
425.05		62.129
425.14	23.653	62.155
425.24		62.183
425.34		62.212
425.44		62.24
425.54	23.652	62.268
425.64		62.297
425.74		62.325
425.84		62.353
425.94	23.651	62.382
426.		62.399
426.01		62.402
426.02		62.404
426.05		62.413
426.14		62.438
426.24		62.467
426.34	23.65	62.495
426.44		62.523
426.54		62.551
426.64		62.58
426.74		62.608
426.84	23.649	62.636
426.94		62.664
427.		62.681
427.01		62.684
427.02		62.687

427.05		62.695
427.14		62.721
427.24	23.648	62.749
427.34		62.777
427.44		62.805
427.54		62.833
427.64	23.647	62.862
427.74		62.89
427.84		62.918
427.94		62.946
428.		62.963
428.01		62.965
428.02		62.968
428.05		62.977
428.14	23.646	63.002
428.24		63.03
428.34		63.058
428.44		63.086
428.54	23.645	63.114
428.64		63.142
428.74		63.17
428.84		63.198
428.94		63.226
429.	23.644	63.243
429.01		63.246
429.02		63.248
429.05		63.257
429.14		63.282
429.24		63.31
429.34		63.338
429.44	23.643	63.366
429.54		63.393
429.64		63.421
429.74		63.449
429.84		63.477
429.94	23.642	63.505
430.		63.522
430.01		63.524
430.02		63.527
430.05		63.536
430.14		63.561
430.24		63.588
430.34		63.616
430.44	23.641	63.644
430.54		63.672
430.64		63.699
430.74		63.727
430.84		63.755
430.94	23.64	63.783
431.		63.799
431.01		63.802
431.02		63.805
431.05		63.813
431.14		63.838
431.24		63.866
431.34		63.893
431.44	23.639	63.921
431.54		63.949
431.64		63.976
431.74		64.004

431.84		64.031
431.94		64.059
432.		64.076
432.01		64.078
432.02		64.081
432.05	23.638	64.089
432.14		64.114
432.24		64.142
432.34		64.169
432.44		64.197
432.54		64.224
432.64		64.252
432.74		64.279
432.84	23.637	64.307
432.94		64.334
433.		64.351
433.01		64.354
433.02		64.356
433.05		64.365
433.14		64.389
433.24	23.636	64.417
433.34		64.444
433.44		64.472
433.54		64.499
433.64		64.526
433.74		64.554
433.84		64.581
433.94		64.608
434.	23.635	64.625
434.01		64.628
434.02		64.63
434.05		64.638
434.14		64.663
434.24		64.69
434.34		64.718
434.44	23.634	64.745
434.54		64.772
434.64		64.8
434.74		64.827
434.84		64.854
434.94		64.881
435.		64.898
435.01		64.9
435.02	23.633	64.903
435.05		64.911
435.14		64.936
435.24		64.963
435.34		64.99
435.44		65.017
435.54		65.045
435.64		65.072
435.74		65.099
435.84	23.632	65.126
435.94		65.153
436.		65.169
436.01		65.172
436.02		65.175
436.05		65.183
436.14		65.207
436.24		65.234

436.34	23.631	65.261
436.44		65.288
436.54		65.315
436.64		65.342
436.74		65.369
436.84	23.63	65.396
436.94		65.423
437.		65.439
437.01		65.442
437.02		65.445
437.05		65.453
437.14		65.477
437.24		65.504
437.34		65.531
437.44		65.558
437.54	23.629	65.585
437.64		65.612
437.74		65.639
437.84		65.665
437.94		65.692
438.		65.708
438.01		65.711
438.02		65.714
438.05		65.722
438.14		65.746
438.24	23.628	65.773
438.34		65.799
438.44		65.826
438.54		65.853
438.64		65.88
438.74		65.906
438.84		65.933
438.94		65.96
439.		65.976
439.01		65.978
439.02		65.981
439.05	23.627	65.989
439.14		66.013
439.24		66.04
439.34		66.066
439.44		66.093
439.54		66.12
439.64		66.146
439.74		66.173
439.84		66.199
439.94	23.626	66.226
440.		66.242
440.01		66.244
440.02		66.247
440.05		66.255
440.14		66.279
440.24		66.305
440.34		66.332
440.44		66.358
440.54		66.385
440.64		66.411
440.74		66.438
440.84		66.464
440.94		66.49
441.		66.506

441.01		66.509
441.02		66.511
441.05		66.519
441.14		66.543
441.24	23.625	66.569
441.34		66.596
441.44		66.622
441.54		66.648
441.64		66.675
441.74		66.701
441.84		66.727
441.94		66.753
442.		66.769
442.01		66.772
442.02		66.774
442.05		66.782
442.14	23.624	66.806
442.24		66.832
442.34		66.858
442.44		66.884
442.54		66.91
442.64		66.937
442.74		66.963
442.84		66.989
442.94		67.015
443.		67.031
443.01		67.033
443.02		67.036
443.05		67.044
443.14		67.067
443.24		67.093
443.34		67.119
443.44	23.623	67.145
443.54		67.171
443.64		67.197
443.74		67.223
443.84		67.249
443.94		67.275
444.		67.29
444.01		67.293
444.02		67.296
444.05		67.303
444.14		67.327
444.24		67.353
444.34		67.379
444.44		67.404
444.54		67.43
444.64		67.456
444.74		67.482
444.84		67.508
444.94	23.622	67.533
445.		67.549
445.01		67.551
445.02		67.554
445.05		67.562
445.14		67.585
445.24		67.611
445.34		67.636
445.44		67.662
445.54		67.688

445.64		67.714
445.74		67.739
445.84		67.765
445.94		67.79
446.		67.806
446.01		67.808
446.02		67.811
446.05		67.819
446.14		67.842
446.24		67.867
446.34		67.893
446.44		67.918
446.54	23.621	67.944
446.64		67.97
446.74		67.995
446.84		68.021
446.94		68.046
447.		68.061
447.01		68.064
447.02		68.066
447.05		68.074
447.14		68.097
447.24		68.123
447.34		68.148
447.44		68.173
447.54		68.199
447.64		68.224
447.74		68.25
447.84		68.275
447.94		68.3
448.		68.316
448.01		68.318
448.02		68.321
448.05		68.328
448.14		68.351
448.24		68.376
448.34		68.402
448.44		68.427
448.54		68.452
448.64		68.478
448.74		68.503
448.84		68.528
448.94		68.553
449.		68.569
449.01		68.571
449.02		68.574
449.05		68.581
449.14		68.604
449.24		68.629
449.34		68.654
449.44		68.679
449.54		68.705
449.64		68.73
449.74		68.755
449.84		68.78
449.94		68.805
450.		68.82
450.01		68.823
450.02		68.825
450.05		68.833

450.14		68.855
450.24		68.88
450.34		68.905
450.44		68.93
450.54		68.955
450.64		68.98
450.74		69.005
450.84		69.03
450.94		69.055
451.		69.07
451.01		69.073
451.02		69.075
451.05		69.083
451.14		69.105
451.24		69.13
451.34		69.155
451.44		69.18
451.54		69.205
451.64		69.23
451.74		69.255
451.84		69.279
451.94		69.304
452.		69.319
452.01		69.322
452.02	23.62	69.324
452.05		69.332
452.14		69.354
452.24		69.379
452.34		69.403
452.44		69.428
452.54		69.453
452.64		69.478
452.74		69.502
452.84		69.527
452.94		69.552
453.		69.566
453.01		69.569
453.02		69.571
453.05		69.579
453.14		69.601
453.24		69.626
453.34		69.65
453.44		69.675
453.54		69.699
453.64		69.724
453.74		69.749
453.84		69.773
453.94		69.798
454.		69.812
454.01		69.815
454.02		69.817
454.05		69.825
454.14		69.847
454.24		69.871
454.34		69.896
454.44		69.92
454.54		69.945
454.64		69.969
454.74		69.993
454.84		70.018

454.94		70.042
455.		70.057
455.01		70.059
455.02		70.062
455.05		70.069
455.14		70.091
455.24		70.115
455.34		70.14
455.44		70.164
455.54	23.621	70.188
455.64		70.213
455.74		70.237
455.84		70.261
455.94		70.285
456.		70.3
456.01		70.302
456.02		70.305
456.05		70.312
456.14		70.334
456.24		70.358
456.34		70.382
456.44		70.406
456.54		70.431
456.64		70.455
456.74		70.479
456.84		70.503
456.94		70.527
457.	23.622	70.542
457.01		70.544
457.02		70.546
457.05		70.554
457.14		70.575
457.24		70.599
457.34		70.623
457.44		70.647
457.54		70.671
457.64		70.696
457.74		70.72
457.84		70.744
457.94		70.767
458.		70.782
458.01		70.784
458.02		70.787
458.05	23.623	70.794
458.14		70.815
458.24		70.839
458.34		70.863
458.44		70.887
458.54		70.911
458.64		70.935
458.74		70.959
458.84		70.983
458.94		71.007
459.		71.021
459.01		71.023
459.02	23.624	71.026
459.05		71.033
459.14		71.054
459.24		71.078
459.34		71.102

459.44		71.126
459.54		71.149
459.64		71.173
459.74		71.197
459.84		71.221
459.94	23.625	71.244
460.		71.258
460.01		71.261
460.02		71.263
460.05		71.27
460.14		71.292
460.24		71.315
460.34		71.339
460.44		71.363
460.54		71.386
460.64		71.41
460.74		71.433
460.84	23.626	71.457
460.94		71.481
461.		71.495
461.01		71.497
461.02		71.5
461.05		71.507
461.14		71.528
461.24		71.551
461.34		71.575
461.44		71.598
461.54		71.622
461.64	23.627	71.645
461.74		71.669
461.84		71.692
461.94		71.716
462.		71.73
462.01		71.732
462.02		71.734
462.05		71.742
462.14		71.763
462.24		71.786
462.34		71.809
462.44	23.628	71.833
462.54		71.856
462.64		71.88
462.74		71.903
462.84		71.926
462.94		71.95
463.		71.964
463.01		71.966
463.02		71.968
463.05		71.975
463.14	23.629	71.996
463.24		72.019
463.34		72.043
463.44		72.066
463.54		72.089
463.64		72.112
463.74		72.136
463.84		72.159
463.94		72.182
464.		72.196
464.01		72.198

464.02	23.63	72.201
464.05		72.207
464.14		72.228
464.24		72.251
464.34		72.275
464.44		72.298
464.54	23.631	72.321
464.64		72.344
464.74		72.367
464.84		72.39
464.94		72.413
465.		72.427
465.01		72.429
465.02		72.432
465.05		72.438
465.14	23.632	72.459
465.24		72.482
465.34		72.505
465.44		72.528
465.54		72.551
465.64		72.574
465.74	23.633	72.597
465.84		72.62
465.94		72.643
466.		72.657
466.01		72.659
466.02		72.661
466.05		72.668
466.14		72.689
466.24	23.634	72.712
466.34		72.735
466.44		72.757
466.54		72.78
466.64		72.803
466.74		72.826
466.84	23.635	72.849
466.94		72.872
467.		72.885
467.01		72.888
467.02		72.89
467.05		72.897
467.14		72.917
467.24		72.94
467.34	23.636	72.963
467.44		72.985
467.54		73.008
467.64		73.031
467.74		73.054
467.84	23.637	73.076
467.94		73.099
468.		73.113
468.01		73.115
468.02		73.117
468.05		73.124
468.14		73.144
468.24		73.167
468.34	23.638	73.189
468.44		73.212
468.54		73.235
468.64		73.257

468.74		73.28
468.84	23.639	73.302
468.94		73.325
469.		73.339
469.01		73.341
469.02		73.343
469.05		73.35
469.14		73.37
469.24		73.393
469.34	23.64	73.415
469.44		73.438
469.54		73.46
469.64		73.483
469.74	23.641	73.505
469.84		73.527
469.94		73.55
470.		73.563
470.01		73.566
470.02		73.568
470.05		73.575
470.14		73.595
470.24	23.642	73.617
470.34		73.639
470.44		73.662
470.54		73.684
470.64	23.643	73.707
470.74		73.729
470.84		73.751
470.94		73.773
471.		73.787
471.01		73.789
471.02		73.791
471.05	23.644	73.798
471.14		73.818
471.24		73.84
471.34		73.863
471.44		73.885
471.54	23.645	73.907
471.64		73.929
471.74		73.951
471.84		73.974
471.94	23.646	73.996
472.		74.009
472.01		74.011
472.02		74.014
472.05		74.02
472.14		74.04
472.24		74.062
472.34	23.647	74.085
472.44		74.107
472.54		74.129
472.64		74.151
472.74	23.648	74.173
472.84		74.195
472.94		74.217
473.		74.23
473.01		74.233
473.02		74.235
473.05		74.241
473.14		74.261

473.24	23.649	74.283
473.34		74.305
473.44		74.327
473.54	23.65	74.349
473.64		74.371
473.74		74.393
473.84	23.651	74.415
473.94		74.437
474.		74.45
474.01		74.452
474.02		74.455
474.05		74.461
474.14		74.481
474.24	23.652	74.503
474.34		74.525
474.44		74.547
474.54		74.568
474.64	23.653	74.59
474.74		74.612
474.84		74.634
474.94	23.654	74.656
475.		74.669
475.01		74.671
475.02		74.673
475.05		74.68
475.14		74.699
475.24		74.721
475.34	23.655	74.743
475.44		74.765
475.54		74.786
475.64	23.656	74.808
475.74		74.83
475.84		74.852
475.94		74.873
476.	23.657	74.886
476.01		74.889
476.02		74.891
476.05		74.897
476.14		74.917
476.24		74.938
476.34	23.658	74.96
476.44		74.982
476.54		75.003
476.64	23.659	75.025
476.74		75.046
476.84		75.068
476.94		75.09
477.	23.66	75.103
477.01		75.105
477.02		75.107
477.05		75.113
477.14		75.133
477.24		75.154
477.34	23.661	75.176
477.44		75.197
477.54		75.219
477.64	23.662	75.24
477.74		75.262
477.84		75.283
477.94		75.305

478.	23.663	75.318
478.01		75.32
478.02		75.322
478.05		75.328
478.14		75.348
478.24	23.664	75.369
478.34		75.39
478.44		75.412
478.54		75.433
478.64	23.665	75.455
478.74		75.476
478.84		75.497
478.94	23.666	75.519
479.		75.531
479.01		75.534
479.02		75.536
479.05		75.542
479.14		75.561
479.24	23.667	75.583
479.34		75.604
479.44		75.625
479.54	23.668	75.646
479.64		75.668
479.74		75.689
479.84	23.669	75.71
479.94		75.731
480.		75.744
480.01		75.746
480.02		75.748
480.05		75.755
480.14	23.67	75.774
480.24		75.795
480.34		75.816
480.44	23.671	75.837
480.54		75.858
480.64	23.672	75.88
480.74		75.901
480.84		75.922
480.94	23.673	75.943
481.		75.956
481.01		75.958
481.02		75.96
481.05		75.966
481.14		75.985
481.24	23.674	76.006
481.34		76.027
481.44		76.048
481.54	23.675	76.069
481.64		76.09
481.74		76.111
481.84	23.676	76.132
481.94		76.153
482.		76.166
482.01		76.168
482.02		76.17
482.05	23.677	76.177
482.14		76.195
482.24		76.216
482.34	23.678	76.237
482.44		76.258

482.54		76.279
482.64	23.679	76.3
482.74		76.321
482.84		76.342
482.94	23.68	76.363
483.		76.375
483.01		76.377
483.02		76.379
483.05		76.386
483.14	23.681	76.405
483.24		76.425
483.34		76.446
483.44	23.682	76.467
483.54		76.488
483.64		76.509
483.74	23.683	76.529
483.84		76.55
483.94	23.684	76.571
484.		76.583
484.01		76.586
484.02		76.588
484.05		76.594
484.14		76.612
484.24	23.685	76.633
484.34		76.654
484.44	23.686	76.675
484.54		76.695
484.64		76.716
484.74	23.687	76.737
484.84		76.757
484.94	23.688	76.778
485.		76.79
485.01		76.793
485.02		76.795
485.05		76.801
485.14		76.819
485.24	23.689	76.84
485.34		76.861
485.44	23.69	76.881
485.54		76.902
485.64		76.922
485.74	23.691	76.943
485.84		76.963
485.94	23.692	76.984
486.		76.996
486.01		76.998
486.02		77.
486.05		77.007
486.14		77.025
486.24	23.693	77.046
486.34		77.066
486.44	23.694	77.087
486.54		77.107
486.64		77.127
486.74	23.695	77.148
486.84		77.168
486.94	23.696	77.189
487.		77.201
487.01		77.203
487.02		77.205

487.05		77.211
487.14	23.697	77.23
487.24		77.25
487.34		77.27
487.44	23.698	77.291
487.54		77.311
487.64	23.699	77.331
487.74		77.352
487.84		77.372
487.94	23.7	77.392
488.		77.405
488.01		77.407
488.02		77.409
488.05		77.415
488.14	23.701	77.433
488.24		77.453
488.34	23.702	77.474
488.44		77.494
488.54	23.703	77.514
488.64		77.534
488.74		77.555
488.84	23.704	77.575
488.94		77.595
489.	23.705	77.607
489.01		77.609
489.02		77.611
489.05		77.617
489.14		77.635
489.24	23.706	77.656
489.34		77.676
489.44		77.696
489.54	23.707	77.716
489.64		77.736
489.74	23.708	77.756
489.84		77.776
489.94	23.709	77.796
490.		77.808
490.01		77.81
490.02		77.812
490.05		77.818
490.14	23.71	77.837
490.24		77.857
490.34	23.711	77.877
490.44		77.897
490.54		77.917
490.64	23.712	77.937
490.74		77.957
490.84	23.713	77.977
490.94		77.997
491.	23.714	78.009
491.01		78.011
491.02		78.013
491.05		78.019
491.14		78.037
491.24	23.715	78.057
491.34		78.077
491.44	23.716	78.096
491.54		78.116
491.64	23.717	78.136
491.74		78.156

491.84		78.176
491.94	23.718	78.196
492.		78.208
492.01		78.21
492.02		78.212
492.05		78.218
492.14	23.719	78.236
492.24		78.255
492.34	23.72	78.275
492.44		78.295
492.54	23.721	78.315
492.64		78.335
492.74	23.722	78.354
492.84		78.374
492.94	23.723	78.394
493.		78.406
493.01		78.408
493.02		78.41
493.05		78.416
493.14	23.724	78.433
493.24		78.453
493.34	23.725	78.473
493.44		78.493
493.54	23.726	78.512
493.64		78.532
493.74	23.727	78.552
493.84		78.571
493.94	23.728	78.591
494.		78.603
494.01		78.605
494.02		78.607
494.05		78.613
494.14	23.729	78.63
494.24		78.65
494.34	23.73	78.67
494.44		78.689
494.54	23.731	78.709
494.64		78.728
494.74	23.732	78.748
494.84		78.768
494.94	23.733	78.787
495.		78.799
495.01		78.801
495.02		78.803
495.05		78.809
495.14	23.734	78.826
495.24		78.846
495.34	23.735	78.865
495.44		78.885
495.54	23.736	78.904
495.64		78.924
495.74	23.737	78.943
495.84		78.963
495.94	23.738	78.982
496.		78.994
496.01		78.996
496.02		78.998
496.05		79.003
496.14	23.739	79.021
496.24		79.04

496.34	23.74	79.06
496.44		79.079
496.54	23.741	79.099
496.64		79.118
496.74	23.742	79.137
496.84		79.157
496.94	23.743	79.176
497.		79.188
497.01		79.189
497.02		79.191
497.05	23.744	79.197
497.14		79.215
497.24	23.745	79.234
497.34		79.253
497.44	23.746	79.273
497.54		79.292
497.64	23.747	79.311
497.74		79.33
497.84	23.748	79.35
497.94		79.369
498.	23.749	79.38
498.01		79.382
498.02		79.384
498.05		79.39
498.14		79.407
498.24	23.75	79.426
498.34		79.446
498.44		79.465
498.54		79.484
498.64		79.503
498.74		79.522
498.84		79.541
498.94		79.561
499.		79.572
499.01		79.574
499.02		79.576
499.05		79.582
499.14		79.599
499.24		79.618
499.34		79.637
499.44		79.656
499.54		79.675
499.64		79.694
499.74		79.713
499.84		79.732
499.94		79.751
500.		79.763
500.01		79.765
500.02		79.767
500.05		79.772
500.14		79.789
500.24		79.808
500.34		79.827
500.44		79.846
500.54		79.865
500.64		79.884
500.74		79.903
500.84		79.922
500.94		79.941
501.		79.952

501.01	79.954
501.02	79.956
501.05	79.962
501.14	79.979
501.24	79.998
501.34	80.017
501.44	80.036
501.54	80.054
501.64	80.073
501.74	80.092
501.84	80.111
501.94	80.13
502.	80.141
502.01	80.143
502.02	80.145
502.05	80.15
502.14	80.167
502.24	80.186
502.34	80.205
502.44	80.224
502.54	80.242
502.64	80.261
502.74	80.28
502.84	80.299
502.94	80.317
503.	80.329
503.01	80.331
503.02	80.332
503.05	80.338
503.14	80.355
503.24	80.374
503.34	80.392
503.44	80.411
503.54	80.43
503.64	80.448
503.74	80.467
503.84	80.485
503.94	80.504
504.	80.515
504.01	80.517
504.02	80.519
504.05	80.525
504.14	80.541
504.24	80.56
504.34	80.578
504.44	80.597
504.54	80.616
504.64	80.634
504.74	80.653
504.84	80.671
504.94	80.69
505.	80.701
505.01	80.703
505.02	80.705
505.05	80.71
505.14	80.727
505.24	80.745
505.34	80.764
505.44	80.782
505.54	80.801
505.64	

	80.819
505.74	80.838
505.84	80.856
505.94	80.874
506.	80.885
506.01	80.887
506.02	80.889
506.05	80.895
506.14	80.911
506.24	80.93
506.34	80.948
506.44	80.966
506.54	80.985
506.64	81.003
506.74	81.021
506.84	81.04
506.94	81.058
507.	81.069
507.01	81.071
507.02	81.073
507.05	81.078
507.14	81.095
507.24	81.113
507.34	81.131
507.44	81.15
507.54	81.168
507.64	81.186
507.74	81.204
507.84	81.223
507.94	81.241
508.	81.252
508.01	81.254
508.02	81.255
508.05	81.261
508.14	81.277
508.24	81.295
508.34	81.314
508.44	81.332
508.54	81.35
508.64	81.368
508.74	81.386
508.84	81.404
508.94	81.423
509.	81.433
509.01	81.435
509.02	81.437
509.05	81.442
509.14	81.459
509.24	81.477
509.34	81.495
509.44	81.513
509.54	81.531
509.64	81.549
509.74	81.567
509.84	81.585
509.94	81.603
510.	81.614
510.01	81.616
510.02	81.618
510.05	81.623
510.14	

		81.639
510.24		81.657
510.34		81.675
510.44		81.693
510.54		81.711
510.64		81.729
510.74		81.747
510.84		81.765
510.94		81.783
511.		81.794
511.01		81.796
511.02		81.797
511.05		81.803
511.14		81.819
511.24		81.837
511.34		81.855
511.44		81.873
511.54		81.891
511.64		81.908
511.74		81.926
511.84		81.944
511.94		81.962
512.		81.973
512.01		81.974
512.02		81.976
512.05		81.982
512.14		81.998
512.24		82.015
512.34		82.033
512.44	23.751	82.051
512.54		82.069
512.64		82.087
512.74		82.104
512.84		82.122
512.94		82.14
513.		82.151
513.01		82.152
513.02		82.154
513.05		82.159
513.14		82.175
513.24		82.193
513.34		82.211
513.44		82.229
513.54		82.246
513.64		82.264
513.74		82.282
513.84		82.299
513.94		82.317
514.		82.328
514.01		82.329
514.02		82.331
514.05		82.336
514.14		82.352
514.24		82.37
514.34		82.387
514.44		82.405
514.54		82.423
514.64		82.44
514.74		82.458
514.84		82.475

514.94		82.493
515.		82.504
515.01		82.505
515.02		82.507
515.05		82.512
515.14		82.528
515.24		82.546
515.34		82.563
515.44		82.581
515.54		82.598
515.64		82.616
515.74		82.633
515.84		82.651
515.94		82.668
516.		82.679
516.01		82.68
516.02		82.682
516.05		82.687
516.14		82.703
516.24		82.72
516.34		82.738
516.44		82.755
516.54		82.773
516.64		82.79
516.74		82.808
516.84		82.825
516.94		82.842
517.		82.853
517.01		82.854
517.02		82.856
517.05	23.752	82.861
517.14		82.877
517.24		82.894
517.34		82.912
517.44		82.929
517.54		82.946
517.64		82.964
517.74		82.981
517.84		82.998
517.94		83.016
518.		83.026
518.01		83.028
518.02		83.029
518.05		83.035
518.14		83.05
518.24		83.067
518.34		83.085
518.44		83.102
518.54		83.119
518.64		83.136
518.74		83.153
518.84		83.171
518.94		83.188
519.		83.198
519.01		83.2
519.02		83.202
519.05		83.207
519.14		83.222
519.24		83.239
519.34		83.257
519.44		

		83.274
519.54		83.291
519.64		83.308
519.74		83.325
519.84		83.342
519.94		83.359
520.		83.37
520.01		83.371
520.02		83.373
520.05		83.378
520.14		83.393
520.24		83.41
520.34		83.428
520.44		83.445
520.54		83.462
520.64		83.479
520.74		83.496
520.84		83.513
520.94		83.53
521.		83.54
521.01		83.542
521.02		83.543
521.05		83.548
521.14		83.564
521.24		83.581
521.34		83.598
521.44		83.615
521.54		83.632
521.64		83.649
521.74		83.665
521.84		83.682
521.94		83.699
522.		83.709
522.01		83.711
522.02		83.713
522.05		83.718
522.14		83.733
522.24		83.75
522.34	23.753	83.767
522.44		83.784
522.54		83.801
522.64		83.817
522.74		83.834
522.84		83.851
522.94		83.868
523.		83.878
523.01		83.88
523.02		83.881
523.05		83.886
523.14		83.902
523.24		83.918
523.34		83.935
523.44		83.952
523.54		83.969
523.64		83.985
523.74		84.002
523.84		84.019
523.94		84.036
524.		84.046
524.01		84.047
524.02		

		84.049
524.05		84.054
524.14		84.069
524.24		84.086
524.34		84.102
524.44		84.119
524.54		84.136
524.64		84.152
524.74		84.169
524.84		84.186
524.94		84.202
525.		84.212
525.01		84.214
525.02		84.216
525.05		84.221
525.14		84.236
525.24		84.252
525.34		84.269
525.44		84.285
525.54		84.302
525.64		84.319
525.74		84.335
525.84		84.352
525.94		84.368
526.		84.378
526.01		84.38
526.02		84.381
526.05		84.386
526.14		84.401
526.24		84.418
526.34		84.434
526.44		84.451
526.54		84.467
526.64		84.484
526.74		84.5
526.84		84.517
526.94		84.533
527.		84.543
527.01		84.545
527.02	23.754	84.546
527.05		84.551
527.14		84.566
527.24		84.583
527.34		84.599
527.44		84.615
527.54		84.632
527.64		84.648
527.74		84.665
527.84		84.681
527.94		84.697
528.		84.707
528.01		84.709
528.02		84.71
528.05		84.715
528.14		84.73
528.24		84.746
528.34		84.763
528.44		84.779
528.54		84.795
528.64		84.812
528.74		

		84.828
528.84		84.844
528.94		84.861
529.		84.87
529.01		84.872
529.02		84.874
529.05		84.879
529.14		84.893
529.24		84.909
529.34		84.926
529.44		84.942
529.54		84.958
529.64		84.974
529.74		84.991
529.84		85.007
529.94		85.023
530.		85.033
530.01		85.034
530.02		85.036
530.05		85.041
530.14		85.055
530.24		85.071
530.34		85.088
530.44		85.104
530.54		85.12
530.64		85.136
530.74		85.152
530.84		85.168
530.94		85.184
531.		85.194
531.01		85.196
531.02		85.197
531.05		85.202
531.14		85.217
531.24	23.755	85.233
531.34		85.249
531.44		85.265
531.54		85.281
531.64		85.297
531.74		85.313
531.84		85.329
531.94		85.345
532.		85.355
532.01		85.356
532.02		85.358
532.05		85.363
532.14		85.377
532.24		85.393
532.34		85.409
532.44		85.425
532.54		85.441
532.64		85.457
532.74		85.473
532.84		85.489
532.94		85.505
533.		85.514
533.01		85.516
533.02		85.518
533.05		85.522
533.14		85.537

533.24		85.553
533.34		85.568
533.44		85.584
533.54		85.6
533.64		85.616
533.74		85.632
533.84		85.648
533.94		85.664
534.		85.673
534.01		85.675
534.02		85.676
534.05		85.681
534.14		85.695
534.24		85.711
534.34		85.727
534.44		85.743
534.54		85.759
534.64		85.774
534.74		85.79
534.84	23.756	85.806
534.94		85.822
535.		85.831
535.01		85.833
535.02		85.834
535.05		85.839
535.14		85.853
535.24		85.869
535.34		85.885
535.44		85.901
535.54		85.916
535.64		85.932
535.74		85.948
535.84		85.963
535.94		85.979
536.		85.988
536.01		85.99
536.02		85.992
536.05		85.996
536.14		86.01
536.24		86.026
536.34		86.042
536.44		86.057
536.54		86.073
536.64		86.089
536.74		86.104
536.84		86.12
536.94		86.135
537.		86.145
537.01		86.146
537.02		86.148
537.05		86.153
537.14		86.167
537.24		86.182
537.34		86.198
537.44		86.213
537.54		86.229
537.64		86.244
537.74		86.26
537.84		86.276
537.94		86.291

538.		86.3
538.01		86.302
538.02		86.304
538.05		86.308
538.14		86.322
538.24		86.338
538.34		86.353
538.44		86.369
538.54		86.384
538.64		86.4
538.74		86.415
538.84		86.43
538.94		86.446
539.		86.455
539.01		86.457
539.02		86.458
539.05		86.463
539.14		86.477
539.24		86.492
539.34		86.508
539.44		86.523
539.54		86.538
539.64		86.554
539.74		86.569
539.84		86.585
539.94		86.6
540.	23.755	86.609
540.01		86.611
540.02		86.612
540.05		86.617
540.14		86.631
540.24		86.646
540.34		86.661
540.44		86.677
540.54		86.692
540.64		86.707
540.74		86.722
540.84		86.738
540.94		86.753
541.		86.762
541.01		86.764
541.02		86.765
541.05		86.77
541.14		86.784
541.24		86.799
541.34		86.814
541.44		86.829
541.54		86.845
541.64		86.86
541.74		86.875
541.84		86.89
541.94		86.905
542.		86.915
542.01		86.916
542.02		86.918
542.05		86.922
542.14		86.936
542.24		86.951
542.34		86.966
542.44		86.981

542.54		86.996
542.64		87.012
542.74		87.027
542.84		87.042
542.94		87.057
543.		87.066
543.01		87.068
543.02		87.069
543.05		87.074
543.14		87.087
543.24		87.102
543.34		87.117
543.44		87.133
543.54		87.148
543.64		87.163
543.74		87.178
543.84		87.193
543.94		87.208
544.		87.217
544.01		87.218
544.02		87.22
544.05		87.224
544.14		87.238
544.24		87.253
544.34		87.268
544.44		87.283
544.54		87.298
544.64		87.313
544.74		87.328
544.84		87.343
544.94	23.754	87.358
545.		87.367
545.01		87.368
545.02		87.37
545.05		87.374
545.14		87.388
545.24		87.403
545.34		87.418
545.44		87.432
545.54		87.447
545.64		87.462
545.74		87.477
545.84		87.492
545.94		87.507
546.		87.516
546.01		87.517
546.02		87.519
546.05		87.523
546.14		87.537
546.24		87.552
546.34		87.566
546.44		87.581
546.54		87.596
546.64		87.611
546.74		87.626
546.84		87.64
546.94		87.655
547.		87.664
547.01		87.666
547.02		87.667
547.05		

	87.672
547.14	87.685
547.24	87.7
547.34	87.714
547.44	87.729
547.54	87.744
547.64	87.759
547.74	87.773
547.84	87.788
547.94	87.803
548.	87.812
548.01	87.813
548.02	87.815
548.05	87.819
548.14	87.832
548.24	87.847
548.34	87.862
548.44	87.876
548.54	87.891
548.64	87.906
548.74	87.92
548.84	87.935
548.94	87.95
549.	87.958
549.01	87.96
549.02	87.961
549.05	87.966
549.14	87.979
549.24	87.994
549.34	88.008
549.44	88.023
549.54	88.037
549.64	88.052
549.74	88.067
549.84	88.081
549.94	88.096
550.	88.104
550.01	88.106
550.02	88.107
550.05	88.112
550.14	88.125
550.24	88.139
550.34	88.154
550.44	88.168
550.54	88.183
550.64	88.197
550.74	88.212
550.84	88.226
550.94	88.241
551.	88.25
551.01	88.251
551.02	88.253
551.05	88.257
551.14	88.27
551.24	88.284
551.34	88.299
551.44	88.313
551.54	88.328
551.64	88.342
551.74	88.357
551.84	

		88.371
551.94		88.386
552.		88.394
552.01		88.396
552.02		88.397
552.05		88.401
552.14		88.414
552.24		88.429
552.34		88.443
552.44		88.457
552.54		88.472
552.64		88.486
552.74		88.501
552.84		88.515
552.94		88.529
553.		88.538
553.01		88.539
553.02		88.541
553.05		88.545
553.14		88.558
553.24		88.572
553.34		88.587
553.44		88.601
553.54		88.615
553.64		88.629
553.74		88.644
553.84		88.658
553.94		88.672
554.		88.681
554.01		88.682
554.02	23.753	88.684
554.05		88.688
554.14		88.701
554.24		88.715
554.34		88.729
554.44		88.744
554.54		88.758
554.64		88.772
554.74		88.786
554.84		88.8
554.94		88.815
555.		88.823
555.01		88.825
555.02		88.826
555.05		88.83
555.14		88.843
555.24		88.857
555.34		88.871
555.44		88.885
555.54		88.9
555.64		88.914
555.74		88.928
555.84		88.942
555.94		88.956
556.		88.965
556.01		88.966
556.02		88.967
556.05		88.972
556.14		88.984
556.24		88.998
556.34		

		89.013
556.44		89.027
556.54		89.041
556.64		89.055
556.74		89.069
556.84		89.083
556.94		89.097
557.		89.105
557.01		89.107
557.02		89.108
557.05		89.112
557.14		89.125
557.24		89.139
557.34		89.153
557.44		89.167
557.54		89.181
557.64		89.195
557.74		89.209
557.84		89.223
557.94		89.237
558.		89.245
558.01		89.247
558.02		89.248
558.05		89.252
558.14		89.265
558.24		89.279
558.34		89.293
558.44		89.307
558.54		89.321
558.64		89.335
558.74		89.349
558.84		89.363
558.94		89.376
559.		89.385
559.01		89.386
559.02		89.388
559.05		89.392
559.14		89.404
559.24		89.418
559.34		89.432
559.44	23.752	89.446
559.54		89.46
559.64		89.474
559.74		89.487
559.84		89.501
559.94		89.515
560.		89.523
560.4		89.579
560.8		89.634
562.		89.798
565.6		90.283
569.6		90.812
573.6		91.332
577.6		91.842
581.6		92.343
585.6		92.834
589.6		93.315
593.6		93.788
597.6	23.753	94.251
600.		94.526

606.	23.754	95.193
612.	23.755	95.843
630.	23.76	97.652
684.	23.784	101.85
738.	23.818	105.06
798.	23.844	107.68
858.	23.853	109.3
918.	23.864	110.05
978.	23.879	110.18
1038.	23.884	109.83
1098.	23.885	109.08
1158.		108.05
1200.	23.886	107.21
1212.		106.97
1224.	23.887	106.73
1260.		105.9
1296.	23.888	105.01
1404.		102.16
1512.	23.889	99.204
1632.		95.908
1752.		92.673
1872.		89.544
1992.		86.547
2112.		83.693
2232.		80.985
2352.		78.425
2400.		77.416
2412.	23.89	77.169
2424.		76.925
2460.		76.229
2568.		74.144
2676.		72.163
2796.		70.089
2916.		68.129
3036.		66.278
3156.		64.528
3276.		62.873
3396.		61.306
3516.	23.891	59.824
3600.		58.823
3612.		58.682
3624.		58.542
3660.		58.139
3768.	23.892	56.945
3876.		55.807
3996.	23.893	54.609
4116.		53.485
4236.	23.894	52.449
4356.	23.895	51.462
4476.		50.521
4596.	23.896	49.623
4716.	23.897	48.766
4800.		48.362
4812.	23.898	48.305
4824.		48.249
4860.		48.081
4968.	23.899	47.592
5076.	23.9	47.113
5196.	23.901	46.594
5316.	23.902	46.089

5436.	23.904	45.597
5556.	23.905	45.118
5676.	23.907	44.679
5796.	23.908	44.271
5916.	23.91	43.872
6000.	23.911	43.596
6012.		43.557
6024.		43.518
6060.	23.912	43.401
6168.	23.913	43.058
6276.	23.915	42.722
6396.	23.917	42.356
6516.	23.919	41.999
6636.	23.921	41.649
6756.	23.924	41.308
6876.	23.926	40.976
6996.	23.928	40.649
7116.	23.931	40.319
7200.	23.933	40.086

FIGURE 15
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature 3

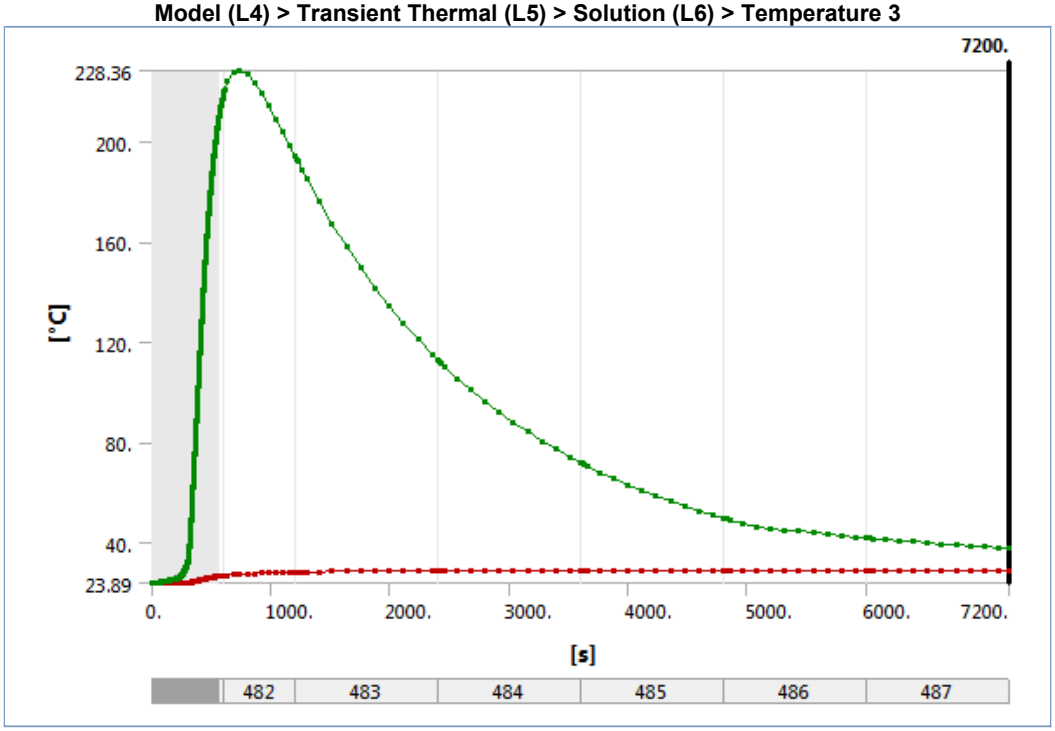

TABLE 26
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature 3

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		

1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		23.89
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		

11.08	
11.28	
11.48	
11.68	
11.88	
12.	
12.02	
12.04	
12.1	
12.28	
12.48	
12.68	
12.88	
13.08	
13.28	
13.48	
13.68	
13.88	
14.	
14.02	
14.04	
14.1	
14.22	
14.33	
14.441	
14.641	
14.841	
15.041	
15.241	
15.441	
15.641	
15.841	
16.	
16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	23.891
17.68	
17.88	
18.	
18.02	
18.04	
18.1	
18.28	
18.48	
18.68	23.892
18.88	
19.08	
19.28	
19.48	23.893
19.68	
19.87	
20.	
20.02	

20.04	
20.1	
20.28	23.894
20.48	
20.68	
20.88	
21.08	23.895
21.28	
21.48	
21.68	
21.88	23.896
22.	
22.02	
22.04	
22.1	
22.28	
22.48	23.897
22.68	
22.88	
23.08	23.898
23.28	
23.48	23.899
23.68	
23.861	
24.	23.9
24.02	
24.04	
24.1	
24.28	
24.48	
24.68	23.901
24.88	
25.08	23.902
25.28	
25.48	
25.68	23.903
25.88	
26.	
26.02	
26.04	
26.1	23.904
26.224	
26.424	
26.615	23.905
26.805	
27.005	
27.205	23.906
27.405	
27.605	23.907
27.805	
28.	
28.02	
28.04	
28.1	23.908
28.28	
28.48	
28.68	23.909
28.88	
29.08	23.91
29.28	

29.48	23.911
29.68	
29.88	23.912
30.	
30.02	
30.04	
30.1	
30.28	23.913
30.48	
30.68	23.914
30.88	
31.08	23.915
31.28	
31.48	23.916
31.68	23.917
31.88	
32.	23.918
32.02	
32.04	
32.1	
32.28	23.919
32.48	
32.68	23.92
32.88	23.921
33.08	
33.28	23.922
33.48	23.923
33.68	23.924
33.88	
34.	23.925
34.02	
34.04	
34.1	
34.28	23.926
34.48	23.927
34.68	23.928
34.88	
35.08	23.929
35.28	23.93
35.48	23.931
35.68	23.932

	23.89	
35.88	23.891	23.933
36.		
36.02		
36.04		
36.1		23.934
36.28		
36.48		23.935
36.68		23.936
36.88		23.937
37.08		23.938
37.28		23.939
37.48		23.94
37.68		
37.88		23.941
38.		23.942
38.02		
38.04		
38.1		
38.28		23.943
38.48		23.944
38.68		23.945
38.88		23.946
39.08		23.947
39.28		23.948
39.48		23.949
39.68		
39.88		23.95
40.		23.951
40.02		
40.04		
40.1		23.952
40.28		
40.48		23.953
40.68		23.954
40.88		23.955
41.08		23.956
41.28		23.957
41.48		23.958
41.68		23.96
41.88		23.961
42.		
42.02		
42.04		23.962
42.1		
42.28		23.963
42.48		23.964
42.68		23.965
42.88		23.966
43.08		23.967
43.28		23.969
43.48		23.97
43.68		23.971
43.872		23.972
44.		23.973
44.02		
44.04		
44.1		23.974
44.28		23.975
44.48		23.976

44.68	23.977
44.88	23.978
45.08	23.98
45.28	23.981
45.48	23.982
45.68	23.983
45.88	23.984
46.	23.985
46.02	
46.04	
46.1	23.986
46.28	23.987
46.48	23.988
46.68	23.989
46.88	23.99
47.08	23.992
47.28	23.993
47.48	23.994
47.68	23.995
47.88	23.997
48.	
48.02	
48.04	23.998
48.1	
48.28	23.999
48.48	24.
48.68	24.002
48.88	24.003
49.08	24.004
49.28	24.005
49.48	24.007
49.68	24.008
49.88	24.009
50.	24.01
50.02	
50.04	
50.1	24.011
50.28	24.012
50.48	24.013
50.68	24.014
50.88	24.016
51.08	24.017
51.28	24.018
51.48	24.02
51.68	24.021
51.88	24.022
52.	24.023
52.02	
52.04	
52.1	24.024
52.28	24.025
52.48	24.026
52.68	24.028
52.88	24.029
53.08	24.03
53.28	24.032
53.48	24.033
53.68	24.035
53.877	24.036
54.	

54.02		24.037
54.04		
54.1		24.038
54.28		24.039
54.48		24.04
54.68		24.042
54.88		24.043
55.08		24.044
55.28		24.046
55.48		24.047
55.68		24.049
55.88		24.05
56.		24.051
56.02		
56.04		
56.1		24.052
56.28		24.053
56.48		24.054
56.68		24.056
56.88		24.057
57.08		24.059
57.28		24.06
57.48		24.062
57.68		24.063
57.88	23.892	24.065
58.		24.066
58.02		
58.04		
58.1		
58.28		24.068
58.48		24.069
58.68		24.071
58.88		24.072
59.08		24.074
59.28		24.076
59.48		24.077
59.68		24.079
59.88		24.08
60.		24.081
60.02		24.082
60.04		
60.1		
60.28		24.084
60.48		24.085
60.68		24.087
60.88		24.089
61.08		24.09
61.28		24.092
61.48		24.094
61.68		24.095
61.88		24.097
62.		24.098
62.02		
62.04		
62.1		24.099
62.28		24.101
62.48		24.102
62.68		24.104
62.88		24.106
63.08		24.107

63.28		24.109
63.48		24.111
63.68		24.112
63.88		24.114
64.		24.115
64.02		
64.04		
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64.28		24.117
64.48		24.119
64.68		24.121
64.88		24.123
65.08		24.124
65.28		24.126
65.48		24.128
65.68		24.129
65.88		24.131
66.		24.132
66.02		
66.04		
66.1		24.133
66.28		24.135
66.48		24.136
66.68		24.138
66.88	23.893	24.14
67.08		24.142
67.28		24.143
67.48		24.145
67.68		24.147
67.864		24.149
68.		24.15
68.02		
68.04		
68.1		24.151
68.28		24.152
68.48		24.154
68.68		24.156
68.88		24.158
69.08		24.159
69.28		24.161
69.48		24.163
69.68		24.165
69.88		24.167
70.		24.168
70.02		
70.04		
70.1		
70.28		24.17
70.48		24.172
70.68		24.174
70.88		24.175
71.08		24.177
71.28		24.179
71.48		24.181
71.68		24.183
71.88		24.184
72.		24.185
72.02		24.186
72.04		
72.1		

72.28		24.188
72.48		24.19
72.68		24.191
72.88		24.193
73.08		24.195
73.28		24.197
73.48		24.199
73.68		24.2
73.88		24.202
74.		24.203
74.02		
74.04		24.204
74.1		
74.22		24.205
74.42		24.207
74.603		24.208
74.787		24.21
74.987		24.212
75.187		24.214
75.387		24.215
75.587		24.217
75.787		24.219
75.893		24.22
76.	23.894	
76.02		24.221
76.04		
76.1		24.222
76.28		24.223
76.48		24.225
76.68		24.227
76.88		24.229
77.08		24.231
77.28		24.233
77.48		24.234
77.68		24.236
77.88		24.238
78.		24.239
78.02		
78.04		24.24
78.1		
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78.48		24.244
78.68		24.246
78.88		24.248
79.08		24.25
79.28		24.252
79.48		24.254
79.68		24.256
79.88		24.258
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80.02		24.259
80.04		
80.1		24.26
80.28		24.262
80.48		24.264
80.68		24.266
80.88		24.268
81.08		24.27
81.28		24.272
81.48		24.274

81.68		24.276
81.88		24.278
82.		24.28
82.02		
82.04		
82.1		24.281
82.28		24.283
82.48		24.285
82.68		24.287
82.88		24.289
83.08		24.291
83.28		24.293
83.48		24.295
83.68		24.297
83.88		24.299
84.		24.301
84.02		
84.04		
84.1	23.895	24.302
84.28		24.304
84.48		24.306
84.68		24.308
84.88		24.31
85.08		24.312
85.28		24.314
85.48		24.316
85.68		24.318
85.88		24.32
86.		24.321
86.02		24.322
86.04		
86.1		24.323
86.28		24.324
86.48		24.326
86.68		24.329
86.88		24.331
87.08		24.333
87.28		24.335
87.48		24.337
87.68		24.339
87.88		24.341
88.		24.342
88.02		
88.04		24.343
88.1		
88.28		24.345
88.48		24.347
88.68		24.349
88.88		24.351
89.08		24.353
89.28		24.356
89.48		24.358
89.68		24.36
89.88		24.362
90.		24.363
90.02		
90.04		
90.1		24.364
90.28		24.366
90.48		24.368

90.68		24.37
90.88		24.372
91.08		24.374
91.28		24.376
91.48		24.378
91.68		24.38
91.88		24.382
92.		24.384
92.02		
92.04		
92.1		24.385
92.22		24.386
92.42		24.388
92.602		24.39
92.784	23.896	24.392
92.984		24.394
93.184		24.396
93.384		24.398
93.584		24.4
93.784		24.402
93.892		24.403
94.		24.404
94.02		
94.04		24.405
94.1		
94.28		24.407
94.48		24.409
94.68		24.411
94.88		24.414
95.08		24.416
95.28		24.418
95.48		24.42
95.68		24.422
95.834		24.424
95.917		24.425
96.		24.426
96.02		
96.04		
96.1		24.427
96.28		24.429
96.48		24.431
96.68		24.433
96.88		24.435
97.08		24.437
97.28		24.439
97.48	23.897	24.442
97.68		24.444
97.88		24.446
98.		24.447
98.02		
98.04		24.448
98.1		
98.28		24.45
98.48		24.452
98.68		24.455
98.88		24.457
99.08		24.459
99.28		24.461
99.48		24.463
99.68		24.465

99.88		24.468
100.		24.469
100.02		
100.04		
100.1		24.47
100.28		24.472
100.48		24.474
100.68		24.476
100.88		24.478
101.08		24.48
101.28		24.483
101.48		24.485
101.68		24.487
101.88		24.489
102.		24.49
102.02		24.491
102.04		
102.09		
102.2		24.492
102.4		24.495
102.57		24.496
102.74		24.498
102.94		24.5
103.14		24.503
103.34		24.505
103.54		24.507
103.74		24.509
103.87		24.51
104.		24.512
104.02		
104.04		
104.1		24.513
104.28		24.515
104.48		24.517
104.68		24.519
104.88		24.522
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105.28		24.526
105.48		24.528
105.68		24.53
105.83		24.532
105.92	23.898	24.533
106.		24.534
106.02		
106.04		24.535
106.1		
106.28		24.537
106.48		24.54
106.68		24.542
106.88		24.544
107.08		24.546
107.28		24.549
107.48		24.551
107.68		24.553
107.88		24.555
108.		24.557
108.02		
108.04		
108.1		24.558
108.28		24.56

108.48		24.562
108.68		24.564
108.88		24.567
109.08		24.569
109.28		24.571
109.48		24.573
109.68		24.576
109.88		24.578
110.		24.579
110.02		
110.04		24.58
110.1		
110.28		24.582
110.48		24.585
110.68		24.587
110.88		24.589
111.08		24.591
111.28		24.594
111.48		24.596
111.68		24.598
111.88		24.6
112.		24.602
112.02		
112.04		
112.1		24.603
112.28		24.605
112.48		24.607
112.68		24.609
112.88		24.612
113.08		24.614
113.28		24.616
113.48		24.618
113.68		24.621
113.88		24.623
114.		24.624
114.02	23.899	
114.04		24.625
114.08		
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114.33		24.628
114.47		24.629
114.61		24.631
114.81		24.633
115.01		24.635
115.21		24.638
115.41		24.64
115.61		24.642
115.81		24.644
116.		24.647
116.02		
116.04		
116.1		24.648
116.28		24.65
116.48		24.652
116.68		24.654
116.88		24.657
117.08		24.659
117.28		24.661
117.48		24.664
117.68		24.666

117.83		24.668
117.92		24.669
118.		24.67
118.02		
118.04		
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118.48		24.675
118.68		24.678
118.88		24.68
119.08		24.682
119.28		24.685
119.48		24.687
119.68		24.689
119.88		24.692
120.		24.693
120.02		
120.04		24.694
120.1		
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120.48		24.699
120.68		24.701
120.88		24.703
121.08	23.9	24.706
121.28		24.708
121.48		24.71
121.68		24.713
121.88		24.715
122.		24.717
122.02		
122.04		
122.1		24.718
122.28		24.72
122.48		24.722
122.68		24.724
122.88		24.727
123.08		24.729
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123.48		24.734
123.68		24.736
123.88		24.738
124.		24.74
124.02		
124.04		
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124.28		24.743
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124.68		24.748
124.88		24.75
125.08		24.752
125.28		24.755
125.48		24.757
125.68		24.759
125.88		24.762
126.		24.763
126.02		
126.04		24.764
126.1		
126.28		24.766
126.48		24.769

126.68		24.771
126.88		24.773
127.08		24.776
127.28		24.778
127.48		24.78
127.68		24.783
127.88		24.785
128.		24.786
128.02		24.787
128.04		
128.1		24.788
128.28		24.79
128.48		24.792
128.68		24.794
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129.08		24.799
129.28		24.801
129.48	23.901	24.803
129.68		24.806
129.88		24.808
130.		24.809
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130.04		
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130.48		24.815
130.68		24.817
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131.08		24.822
131.28		24.824
131.48		24.826
131.68		24.829
131.88		24.831
132.		24.832
132.02		24.833
132.04		
132.1		24.834
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132.48		24.838
132.68		24.84
132.88		24.843
133.08		24.845
133.28		24.847
133.48		24.849
133.68		24.852
133.88		24.854
134.		24.855
134.02		24.856
134.04	23.902	
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134.48		24.861
134.68		24.863
134.88		24.865
135.08		24.868
135.28		24.87
135.48		24.872
135.68		24.875
135.88		24.877
136.		24.878

136.02		
136.04		24.879
136.1		
136.28		24.881
136.48		24.884
136.68		24.886
136.88		24.888
137.08		24.891
137.28		24.893
137.48		24.895
137.68		24.897
137.88		24.9
138.		24.901
138.02		
138.04		
138.1		24.902
138.28		24.904
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138.68		24.909
138.88		24.911
139.08		24.913
139.28		24.916
139.48		24.918
139.68		24.92
139.88		24.922
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140.02		
140.04		
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140.28		24.927
140.48		24.929
140.68		24.931
140.88		24.934
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141.28		24.938
141.48		24.94
141.68		24.943
141.88		24.945
142.		24.946
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142.28		24.949
142.48		24.952
142.68		24.954
142.88		24.956
143.08		24.958
143.28		24.961
143.48		24.963
143.68		24.965
143.88		24.967
144.		24.969
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144.68		24.976
144.88		24.979
145.08		24.981

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145.68		24.988
145.88		24.99
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146.1		
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146.68		24.999
146.88		25.001
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151.48		25.052
151.68		25.054
151.88		25.056
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154.04		
154.1		25.081

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158.68		25.131
158.82		25.133
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160.74		25.155
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160.94		25.157
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161.02		
161.05		
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161.34		25.162
161.44		25.163

161.54	25.164
161.64	25.165
161.74	25.166
161.84	25.167
161.94	25.168
162.	25.169
162.01	
162.02	
162.05	25.17
162.14	25.171
162.24	25.172
162.34	25.173
162.44	25.174
162.54	25.175
162.64	25.176
162.74	25.177
162.84	25.179
162.94	25.18
163.	
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163.02	
163.05	
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163.44	25.185
163.54	25.187
163.64	25.188
163.74	25.189
163.84	25.19
163.94	25.191
164.	25.192
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164.02	
164.05	
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164.44	25.197
164.54	25.198
164.64	25.199
164.74	25.2
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164.94	25.202
165.	25.203
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165.02	
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165.14	25.205
165.24	25.206
165.34	25.207
165.44	25.208
165.54	25.209
165.64	25.21
165.74	25.212
165.84	25.213
165.94	25.214
166.	25.215
166.01	
166.02	

166.05		
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166.44		25.219
166.54		25.221
166.64		25.222
166.74		25.223
166.84		25.224
166.94		25.225
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167.54		25.232
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167.74		25.234
167.84		25.235
167.94		25.236
168.		25.237
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168.02		
168.05		25.238
168.14		25.239
168.24		25.24
168.34	23.906	25.241
168.44		25.242
168.54		25.243
168.64		25.244
168.74		25.245
168.84		25.247
168.94		25.248
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169.03		
169.06		
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169.3		25.252
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169.5		25.254
169.6		25.255
169.7		25.256
169.8		25.257
169.9		25.258
170.		25.26
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170.02		
170.05		
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170.44		25.265
170.54		25.266
170.64		25.267

170.74		25.268
170.84		25.269
170.94		25.27
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171.02		
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171.54		25.278
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172.94		25.294
173.	23.907	25.295
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173.94		25.306
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174.05		
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174.94		25.318
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175.02		25.319
175.03		
175.06		

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175.17	
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175.35	25.323
175.45	25.324
175.55	25.325
175.65	25.326
175.75	25.327
175.85	25.328
175.95	25.33
176.	
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176.02	
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176.24	25.333
176.34	25.334
176.44	25.335
176.54	25.337
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176.74	25.339
176.84	25.34
176.94	25.341
177.	25.342
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177.02	
177.05	25.343
177.14	25.344
177.24	25.345
177.34	25.346
177.44	25.348
177.54	25.349
177.64	25.35
177.74	25.351
177.84	25.353
177.94	25.354
178.	25.355
178.01	
178.02	
178.05	
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178.24	25.358
178.34	25.359
178.44	25.36
178.54	25.361
178.64	25.363
178.74	25.364
178.84	25.365
178.94	25.366
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179.05	25.368
179.14	25.369
179.24	25.37
179.34	25.371
179.44	25.372
179.54	25.374
179.64	25.375
179.74	25.376

179.84		25.377
179.94		25.379
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180.47		25.385
180.57		25.386
180.67		25.388
180.77		25.389
180.87		25.39
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183.54		25.424
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183.74		25.427
183.84		25.428
183.94		25.429
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184.14		25.432
184.24		25.433
184.34		25.435
184.44		25.436
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184.64		25.438
184.74		25.44
184.84		25.441
184.94		25.442
185.		25.443
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185.14		25.445
185.24		25.446
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185.54		25.45
185.64		25.451
185.74		25.453
185.84		25.454
185.94		25.455
186.		25.456
186.01		
186.02		
186.05		25.457
186.14		25.458
186.24		25.459
186.34		25.46
186.44		25.462
186.54		25.463
186.64		25.464
186.74		25.465
186.84		25.467
186.94	23.909	25.468
187.		25.469
187.01		
187.02		
187.05		
187.14		25.471
187.24		25.472
187.34		25.473
187.44		25.474
187.54		25.476
187.64		25.477
187.74		25.478
187.84		25.48
187.94		25.481
188.		25.482
188.01		
188.02		
188.03		
188.06		
188.12		25.483
188.19		25.484
188.27		25.485
188.37		25.486
188.47		25.488
188.57		25.489
188.67		25.49

188.77	25.491
188.87	25.493
188.94	25.494
189.	
189.01	25.495
189.02	
189.05	
189.14	25.496
189.24	25.497
189.34	25.499
189.44	25.5
189.54	25.501
189.64	25.503
189.74	25.504
189.84	25.505
189.94	25.507
190.	25.508
190.01	
190.02	
190.05	
190.14	25.509
190.24	25.511
190.34	25.512
190.44	25.513
190.54	25.515
190.64	25.516
190.74	25.517
190.84	25.519
190.94	25.52
191.	25.521
191.01	
191.02	
191.05	25.522
191.14	25.523
191.24	25.524
191.34	25.525
191.44	25.527
191.54	25.528
191.64	25.529
191.74	25.531
191.84	25.532
191.94	25.533
192.	25.534
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192.05	
192.14	25.536
192.24	25.537
192.34	25.539
192.44	25.54
192.54	25.541
192.64	25.543
192.74	25.544
192.84	25.546
192.94	25.547
193.	25.548
193.01	
193.02	
193.05	
193.14	25.55

193.24		25.551
193.34		25.552
193.44		25.554
193.54		25.555
193.64		25.556
193.74		25.558
193.84		25.559
193.94		25.56
194.		25.561
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194.02		
194.05		25.562
194.14		25.563
194.24		25.564
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194.44		25.567
194.54		25.568
194.64		25.57
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194.94		25.573
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195.05		
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195.24		25.577
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195.44		25.58
195.54		25.581
195.64	23.91	25.583
195.74		25.584
195.84		25.585
195.94		25.587
196.		25.588
196.01		
196.02		
196.05		
196.14		25.589
196.24		25.591
196.34		25.592
196.44		25.593
196.54		25.595
196.64		25.596
196.74		25.597
196.84		25.599
196.94		25.6
197.		25.601
197.01		
197.02		
197.05		
197.14		25.603
197.24		25.604
197.34		25.605
197.44		25.607
197.54		25.608
197.64		25.609
197.74		25.611
197.84		25.612
197.94		25.613

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198.02		
198.03		25.615
198.06		
198.12		25.616
198.18		
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198.36		25.619
198.46		25.62
198.56		25.621
198.66		25.623
198.76		25.624
198.86		25.625
198.96		
199.		25.627
199.01		
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199.05		
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199.24		25.63
199.34		25.632
199.44		25.633
199.54		25.635
199.64		25.636
199.74		25.637
199.84		25.639
199.94		25.64
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200.05		25.642
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200.24		25.644
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201.		
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201.44		25.662
201.54		25.663
201.64		25.665
201.74		25.666
201.84		25.668
201.94		25.669
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202.02		
202.05		25.671
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202.24		25.674

202.34	25.675
202.44	25.677
202.54	25.678
202.64	25.68
202.74	25.682
202.84	25.683
202.94	25.685
203.	25.686
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203.02	
203.05	25.687
203.14	25.688
203.24	25.69
203.34	25.691
203.44	25.693
203.54	25.694
203.64	25.696
203.74	25.698
203.84	25.699
203.94	25.701
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204.05	
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205.	25.718
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205.02	
205.05	
205.14	25.72
205.24	25.721
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205.44	25.725
205.54	25.726
205.64	25.728
205.74	25.729
205.84	25.731
205.94	25.733
206.	25.734
206.01	
206.02	
206.05	
206.14	25.736
206.24	25.737
206.34	25.739
206.44	25.74
206.54	25.742
206.64	25.744
206.74	25.745
206.84	25.747
206.94	25.748
207.	25.749

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207.05		
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207.31		25.754
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207.5		25.757
207.6		25.759
207.7		25.76
207.8		25.762
207.9		25.764
208.		25.765
208.01		
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208.05		
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208.44		25.772
208.54		25.774
208.64		25.776
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209.		25.781
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209.94		25.797
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211.84		25.83
211.94		25.832
212.		25.833
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212.05		
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212.34		25.839
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212.64		25.845
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212.94		25.851
213.		25.852
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213.44		25.86
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213.64		25.864
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214.05		25.872
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214.64		25.883
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214.84		25.887
214.94		25.889
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215.84		25.908
215.94		25.91
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216.01		
216.02		25.912
216.05		

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216.84		25.929
216.94		25.931
217.		25.933
217.01		
217.02		
217.05		25.934
217.14		25.936
217.24		25.938
217.34	23.914	25.94
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217.54		25.944
217.64		25.947
217.74		25.949
217.84		25.951
217.94		25.953
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218.54		25.967
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218.74		25.972
218.84		25.974
218.94		25.976
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219.54		25.99
219.64		25.993
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219.94		26.
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225.34		26.136

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225.94		26.153
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226.64		26.173
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226.84		26.178
226.94		26.181
227.	23.917	26.183
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229.14	23.918	26.248
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231.84		26.339
231.94		26.342
232.		26.344
232.01		26.345
232.02	23.919	
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232.84		26.374
232.94		26.378
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233.34		26.393
233.44		26.396
233.54		26.4
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233.84		26.411
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236.02		
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236.24		26.505
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236.44	23.921	26.514
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236.64		26.522
236.74		26.526
236.84		26.53
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237.		26.537
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237.02		26.538
237.05		26.539
237.14		26.543
237.24		26.547
237.34		26.551
237.44		26.556
237.54		26.56
237.64		26.564
237.74		26.568
237.84		26.573
237.94		26.577
238.		26.58
238.01		
238.02		26.581
238.05		26.582
238.14		26.586
238.24		26.59
238.34	23.922	26.595
238.44		26.599
238.54		26.604
238.64		26.608
238.74		26.612
238.84		26.617
238.94		26.621
239.		26.624
239.01		26.625
239.02		
239.05		26.626
239.14		26.63

239.24		26.635
239.34		26.639
239.44	23.923	26.644
239.54		26.648
239.64		26.653
239.74		26.658
239.84		26.662
239.94		26.667
240.		26.669
240.01		26.67
240.02		
240.05		26.672
240.14		26.676
240.24		26.68
240.34		26.685
240.44		26.69
240.54		26.694
240.64		26.699
240.74		26.704
240.84		26.708
240.94		26.713
241.		26.716
241.01		
241.02		26.717
241.05		26.718
241.14		26.722
241.24	23.924	26.727
241.34		26.732
241.44		26.736
241.54		26.741
241.64		26.746
241.74		26.751
241.84		26.755
241.94		26.76
242.		26.763
242.01		26.764
242.02		
242.05		26.765
242.14		26.77
242.24		26.775
242.34		26.779
242.44		26.784
242.54		26.789
242.64		26.794
242.74		26.799
242.84		26.804
242.94		26.809
243.	23.925	26.812
243.01		
243.02		26.813
243.05		26.814
243.14		26.819
243.24		26.824
243.34		26.829
243.44		26.834
243.54		26.839
243.64		26.844
243.74		26.849
243.84		26.854
243.94		26.859

244.		26.862
244.01		26.863
244.02		
244.05		26.865
244.14		26.869
244.24		26.875
244.34		26.88
244.44		26.885
244.54		26.89
244.64	23.926	26.895
244.74		26.9
244.84		26.906
244.94		26.911
245.		26.914
245.01		26.915
245.02		
245.05		26.917
245.14		26.921
245.24		26.927
245.34		26.932
245.44		26.937
245.54		26.943
245.64		26.948
245.74		26.953
245.84		26.959
245.94		26.964
246.		26.967
246.01		26.968
246.02		
246.05		26.97
246.14		26.975
246.24	23.927	26.98
246.34		26.986
246.44		26.991
246.54		26.997
246.64		27.002
246.74		27.007
246.84		27.013
246.94		27.018
247.		27.022
247.01		
247.02		27.023
247.05		27.024
247.14		27.029
247.24		27.035
247.34		27.04
247.44		27.046
247.54		27.051
247.64		27.057
247.74	23.928	27.062
247.84		27.068
247.94		27.073
248.		27.077
248.01		
248.02		27.078
248.05		27.079
248.14		27.084
248.24		27.09
248.34		27.095
248.44		27.101

248.54		27.107
248.64		27.112
248.74		27.118
248.84		27.124
248.94		27.129
249.		27.133
249.01		
249.02		27.134
249.05		27.135
249.14		27.141
249.24	23.929	27.146
249.34		27.152
249.44		27.158
249.54		27.163
249.64		27.169
249.74		27.175
249.84		27.18
249.94		27.186
250.		27.19
250.01		
250.02		27.191
250.05		27.192
250.14		27.198
250.24		27.203
250.34		27.209
250.44		27.215
250.54		27.221
250.64		27.226
250.74	23.93	27.232
250.84		27.238
250.94		27.244
251.		27.247
251.01		27.248
251.02		
251.05		27.25
251.14		27.255
251.24		27.261
251.34		27.267
251.44		27.273
251.54		27.278
251.64		27.284
251.74		27.29
251.84		27.296
251.94		27.302
252.		27.305
252.01		27.306
252.02		
252.05		27.308
252.14	23.931	27.313
252.24		27.319
252.34		27.325
252.44		27.331
252.54		27.337
252.64		27.343
252.74		27.349
252.84		27.355
252.94		27.36
253.		27.364
253.01		27.365
253.02		

253.05		27.367
253.14		27.372
253.24		27.378
253.34		27.384
253.44		27.39
253.54		27.396
253.64		27.402
253.74		27.408
253.84		27.414
253.94		27.42
254.		27.423
254.01		27.424
254.02		
254.05	23.932	27.426
254.14		27.432
254.24		27.438
254.34		27.444
254.44		27.45
254.54		27.456
254.64		27.462
254.74		27.468
254.84		27.474
254.94		27.48
255.		27.483
255.01		27.484
255.02		
255.05		27.486
255.14		27.492
255.24		27.498
255.34		27.504
255.44		27.51
255.54	23.933	27.516
255.64		27.522
255.74		27.528
255.84		27.534
255.94		27.54
256.		27.544
256.01		27.545
256.02		
256.05		27.547
256.14		27.553
256.24		27.559
256.34		27.565
256.44		27.571
256.54		27.577
256.64		27.584
256.74		27.59
256.84		27.596
256.94		27.602
257.	23.934	27.606
257.01		
257.02		27.607
257.05		27.609
257.14		27.615
257.24		27.621
257.34		27.627
257.44		27.633
257.54		27.639
257.64		27.646
257.74		27.652

257.84	23.935	27.658
257.94		27.664
258.		27.668
258.01		27.669
258.02		
258.05		27.671
258.14		27.677
258.24		27.683
258.34		27.689
258.44		27.696
258.54		27.702
258.64		27.708
258.74		27.715
258.84		27.721
258.94	23.936	27.727
259.		27.731
259.01		27.732
259.02		
259.05		27.734
259.14		27.74
259.24		27.746
259.34		27.753
259.44		27.759
259.54		27.765
259.64		27.772
259.74		27.778
259.84		27.785
259.94		27.791
260.		27.795
260.01		
260.02		27.796
260.05		27.798
260.14		27.804
260.24	23.937	27.81
260.34		27.817
260.44		27.823
260.54		27.83
260.64		27.836
260.74		27.843
260.84		27.849
260.94		27.856
261.		27.86
261.01		27.861
261.02		
261.05		27.863
261.14		27.869
261.24		27.876
261.34		27.882
261.44		27.889
261.54	23.938	27.896
261.64		27.902
261.74		27.909
261.84		27.916
261.94		27.922
262.		27.926
262.01		27.927
262.02		27.928
262.05		27.93
262.14		27.936
262.24		27.942

262.34		27.949
262.44		27.956
262.54		27.962
262.64		27.969
262.74		27.976
262.84		27.983
262.94		27.989
263.		27.993
263.01		27.994
263.02		27.995
263.05		27.997
263.14	23.939	28.003
263.24		28.01
263.34		28.016
263.44		28.023
263.54		28.03
263.64		28.037
263.74		28.044
263.84		28.05
263.94		28.057
264.		28.061
264.01		28.062
264.02		28.063
264.05		28.065
264.14		28.071
264.24		28.078
264.34		28.085
264.44	23.94	28.092
264.54		28.099
264.64		28.106
264.74		28.112
264.84		28.119
264.94		28.126
265.		28.13
265.01		28.131
265.02		28.132
265.05		28.134
265.14		28.14
265.24		28.147
265.34		28.154
265.44		28.161
265.54		28.168
265.64		28.175
265.74		28.182
265.84	23.941	28.189
265.94		28.196
266.		28.2
266.01		28.201
266.02		
266.05		28.203
266.14		28.21
266.24		28.217
266.34		28.224
266.44		28.231
266.54		28.238
266.64		28.245
266.74	23.942	28.252
266.84		28.259
266.94		28.266
267.		28.27

267.01		28.271
267.02		28.272
267.05		28.274
267.14		28.28
267.24		28.287
267.34		28.294
267.44		28.301
267.54	23.943	28.308
267.64		28.315
267.74		28.322
267.84		28.33
267.94		28.337
268.		28.341
268.01		28.342
268.02		
268.05		28.345
268.14		28.351
268.24		28.358
268.34		28.365
268.44		28.372
268.54		28.38
268.64	23.944	28.387
268.74		28.394
268.84		28.401
268.94		28.408
269.		28.413
269.01		28.414
269.02		
269.05		28.416
269.14		28.423
269.24		28.43
269.34		28.438
269.44		28.445
269.54		28.452
269.64		28.46
269.74		28.467
269.84	23.945	28.474
269.94		28.482
270.		28.486
270.01		28.487
270.02		28.488
270.05		28.49
270.14		28.496
270.24		28.504
270.34		28.511
270.44		28.519
270.54		28.526
270.64		28.534
270.74		28.541
270.84		28.549
270.94	23.946	28.556
271.		28.561
271.01		
271.02		28.562
271.05		28.564
271.14		28.571
271.24		28.579
271.34		28.586
271.44		28.594
271.54		28.601

271.64		28.609
271.74		28.616
271.84		28.624
271.94		28.631
272.	23.947	28.636
272.01		28.637
272.02		28.638
272.05		28.64
272.14		28.647
272.24		28.654
272.34		28.662
272.44		28.67
272.54		28.677
272.64		28.685
272.74		28.693
272.84		28.7
272.94		28.708
273.		28.713
273.01		
273.02		28.714
273.05	23.948	28.716
273.14		28.723
273.24		28.731
273.34		28.739
273.44		28.747
273.54		28.754
273.64		28.762
273.74		28.77
273.84		28.778
273.94		28.785
274.		28.79
274.01		28.791
274.02		28.792
274.05		28.794
274.14	23.949	28.801
274.24		28.809
274.34		28.817
274.44		28.825
274.54		28.833
274.64		28.84
274.74		28.848
274.84		28.856
274.94		28.864
275.		28.869
275.01		28.87
275.02		28.871
275.05		28.873
275.14		28.88
275.24	23.95	28.888
275.34		28.896
275.44		28.904
275.54		28.912
275.64		28.92
275.74		28.928
275.84		28.936
275.94		28.944
276.		28.949
276.01		28.95
276.02		28.951
276.05		28.953

276.14		28.961
276.24		28.969
276.34		28.977
276.44		28.985
276.54		28.993
276.64		29.001
276.74		29.009
276.84	23.951	29.018
276.94		29.026
277.		29.031
277.01		
277.02		29.032
277.05		29.035
277.14		29.042
277.24		29.05
277.34		29.059
277.44		29.067
277.54		29.075
277.64		29.083
277.74		29.092
277.84	23.952	29.1
277.94		29.108
278.		29.113
278.01		29.114
278.02		29.115
278.05		29.117
278.14		29.125
278.24		29.133
278.34		29.141
278.44		29.15
278.54		29.158
278.64		29.167
278.74		29.175
278.84	23.953	29.183
278.94		29.192
279.		29.197
279.01		29.198
279.02		29.199
279.05		29.201
279.14		29.209
279.24		29.217
279.34		29.226
279.44		29.234
279.54		29.243
279.64		29.252
279.74		29.26
279.84	23.954	29.269
279.94		29.278
280.		29.283
280.01		29.284
280.02		29.285
280.05		29.287
280.14		29.295
280.24		29.304
280.34		29.313
280.44		29.322
280.54	23.955	29.331
280.64		29.34
280.74		29.349
280.84		29.358

280.94		29.367
281.		29.372
281.01		29.373
281.02		29.374
281.05		29.377
281.14		29.385
281.24		29.395
281.34		29.404
281.44		29.413
281.54	23.956	29.423
281.64		29.432
281.74		29.442
281.84		29.451
281.94		29.461
282.		29.467
282.01		29.468
282.02		29.469
282.05		29.471
282.14		29.48
282.24	23.957	29.49
282.34		29.5
282.44		29.51
282.54		29.52
282.64		29.53
282.74		29.54
282.84		29.55
282.94		29.56
283.		29.566
283.01		29.567
283.02		29.568
283.05	23.958	29.571
283.14		29.581
283.24		29.591
283.34		29.601
283.44		29.612
283.54		29.622
283.64		29.633
283.74		29.644
283.84		29.654
283.94		29.665
284.		29.671
284.01	23.959	29.673
284.02		29.674
284.05		29.677
284.14		29.687
284.24		29.698
284.34		29.709
284.44		29.72
284.54		29.731
284.64		29.742
284.74		29.754
284.84	23.96	29.765
284.94		29.776
285.		29.783
285.01		29.784
285.02		29.786
285.05		29.789
285.14		29.8
285.24		29.811
285.34		29.823

285.44	23.961	29.835
285.54		29.847
285.64		29.859
285.74		29.871
285.84	23.962	29.883
285.94		29.895
286.		29.903
286.01		29.904
286.02		29.905
286.05		29.909
286.14		29.92
286.24		29.932
286.34		29.945
286.44		29.957
286.54	23.963	29.97
286.64		29.983
286.74		29.996
286.84		30.009
286.94		30.022
287.		30.029
287.01		30.031
287.02		30.032
287.05		30.036
287.14	23.964	30.048
287.24		30.061
287.34		30.074
287.44		30.088
287.54		30.101
287.64		30.115
287.74	23.965	30.128
287.84		30.142
287.94		30.156
288.		30.164
288.01		30.166
288.02		30.167
288.05		30.171
288.14		30.184
288.24		30.198
288.34	23.966	30.212
288.44		30.226
288.54		30.24
288.64		30.255
288.74		30.269
288.84		30.284
288.94	23.967	30.299
289.		30.307
289.01		30.309
289.02		30.31
289.05		30.315
289.14		30.328
289.24		30.343
289.34		30.358
289.44		30.373
289.54	23.968	30.388
289.64		30.403
289.74		30.418
289.84		30.434
289.94		30.449
290.		30.459
290.01		30.46

290.02	23.969	30.462
290.05		30.466
290.14		30.48
290.24		30.496
290.34		30.512
290.44		30.528
290.54	23.97	30.544
290.64		30.56
290.74		30.576
290.84		30.592
290.94		30.608
291.		30.618
291.01		30.62
291.02		30.621
291.05	23.971	30.626
291.14		30.641
291.24		30.657
291.34		30.674
291.44		30.691
291.54	23.972	30.708
291.64		30.725
291.74		30.742
291.84		30.759
291.94		30.776
292.		30.787
292.01		30.788
292.02	23.973	30.79
292.05		30.795
292.14		30.811
292.24		30.828
292.34		30.846
292.44		30.864
292.54	23.974	30.882
292.64		30.9
292.74		30.918
292.84		30.936
292.94		30.954
293.	23.975	30.965
293.01		30.967
293.02		30.969
293.05		30.974
293.14		30.991
293.24		31.01
293.34		31.028
293.44	23.976	31.047
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293.64		31.085
293.74		31.104
293.84	23.977	31.123
293.94		31.143
294.		31.155
294.01		31.156
294.02		31.158
294.05		31.164
294.14		31.182
294.24		31.202
294.34	23.978	31.222
294.44		31.241
294.54		31.262
294.64		31.282

294.74	23.979	31.302
294.84		31.323
294.94		31.343
295.		31.356
295.01		31.358
295.02		31.36
295.05		31.366
295.14	23.98	31.385
295.24		31.406
295.34		31.427
295.44		31.448
295.54	23.981	31.469
295.64		31.491
295.74		31.512
295.84		31.534
295.94	23.982	31.556
296.		31.569
296.01		31.571
296.02		31.573
296.05		31.58
296.14		31.6
296.24		31.622
296.34	23.983	31.645
296.44		31.667
296.54		31.69
296.64	23.984	31.713
296.74		31.736
296.84		31.759
296.94		31.782
297.	23.985	31.796
297.01		31.798
297.02		31.801
297.05		31.808
297.14		31.829
297.24		31.852
297.34	23.986	31.876
297.44		31.9
297.54		31.924
297.64		31.949
297.74	23.987	31.973
297.84		31.997
297.94		32.022
298.		32.037
298.01		32.04
298.02		32.042
298.05	23.988	32.05
298.14		32.072
298.24		32.097
298.34		32.123
298.44	23.989	32.148
298.54		32.174
298.64		32.199
298.74	23.99	32.225
298.84		32.251
298.94		32.278
299.	23.991	32.294
299.01		32.296
299.02		32.299
299.05		32.307
299.14		32.331

299.24		32.358
299.34	23.992	32.384
299.44		32.411
299.54		32.439
299.64	23.993	32.466
299.74		32.493
299.84		32.521
299.94	23.994	32.549
300.		32.566
300.01		32.568
300.02		32.571
300.05		32.58
300.14		32.605
300.24	23.995	32.633
300.34		32.662
300.44		32.69
300.54	23.996	32.719
300.64		32.748
300.74		32.777
300.84	23.997	32.806
300.94		32.836
301.		32.853
301.01		32.856
301.02		32.859
301.05		32.868
301.14	23.998	32.895
301.24		32.925
301.34		32.955
301.44	23.999	32.985
301.54		33.016
301.64	24.	33.046
301.74		33.077
301.84		33.108
301.94	24.001	33.139
302.		33.158
302.01		33.161
302.02		33.164
302.05		33.174
302.14		33.202
302.24	24.002	33.234
302.34		33.266
302.44	24.003	33.298
302.54		33.331
302.64		33.363
302.74	24.004	33.396
302.84		33.429
302.94	24.005	33.462
303.		33.482
303.01		33.486
303.02		33.489
303.05		33.499
303.14		33.529
303.24	24.006	33.563
303.34		33.597
303.44	24.007	33.631
303.54		33.666
303.64		33.701
303.74	24.008	33.735
303.84		33.771
303.94		33.806

304.	24.009	33.827
304.01		33.831
304.02		33.834
304.05		33.845
304.14	24.01	33.877
304.24		33.913
304.34		33.949
304.44	24.011	33.985
304.54		34.022
304.64	24.012	34.059
304.74		34.096
304.84	24.013	34.133
304.94		34.17
305.		34.192
305.01		34.196
305.02		34.2
305.05	24.014	34.211
305.14		34.245
305.24		34.283
305.34	24.015	34.321
305.44		34.359
305.54	24.016	34.398
305.64		34.437
305.74	24.017	34.475
305.84		34.515
305.94	24.018	34.554
306.		34.578
306.01		34.582
306.02		34.586
306.05		34.598
306.14	24.019	34.633
306.24		34.674
306.34	24.02	34.714
306.44		34.754
306.54	24.021	34.795
306.64		34.836
306.74	24.022	34.878
306.84		34.919
306.94	24.023	34.961
307.		34.986
307.01		34.99
307.02		34.995
307.05		35.007
307.14	24.024	35.045
307.24		35.088
307.34	24.025	35.131
307.44		35.174
307.54	24.026	35.217
307.64		35.26
307.74	24.027	35.304
307.84		35.348
307.94	24.028	35.392
308.		35.419
308.01		35.423
308.02		35.428
308.05		35.441
308.14	24.029	35.481
308.24		35.526
308.34	24.03	35.571
308.44		35.616

308.54	24.031	35.661
308.64	24.032	35.707
308.74		35.753
308.84	24.033	35.799
308.94		35.845
309.	24.034	35.873
309.01		35.877
309.02		35.882
309.05		35.896
309.14		35.938
309.24	24.035	35.985
309.34		36.032
309.44	24.036	36.079
309.54	24.037	36.126
309.64		36.174
309.74	24.038	36.222
309.84		36.27
309.94	24.039	36.318
310.		36.347
310.01		36.352
310.02		36.357
310.05	24.04	36.371
310.14		36.415
310.24	24.041	36.464
310.34		36.513
310.44	24.042	36.562
310.54		36.612
310.64	24.043	36.662
310.74	24.044	36.712
310.84		36.762
310.94	24.045	36.812
311.		36.842
311.01		36.847
311.02		36.853
311.05	24.046	36.868
311.14		36.913
311.24	24.047	36.964
311.34		37.016
311.44	24.048	37.067
311.54	24.049	37.119
311.64		37.171
311.74	24.05	37.223
311.84	24.051	37.275
311.94		37.328
312.	24.052	37.359
312.01		37.365
312.02		37.37
312.05		37.386
312.14		37.433
312.24	24.053	37.486
312.34	24.054	37.54
312.44		37.593
312.54	24.055	37.647
312.64	24.056	37.701
312.74		37.755
312.84	24.057	37.81
312.94	24.058	37.864
313.		37.897
313.01		37.903
313.02		37.908

313.05		37.925
313.14	24.059	37.974
313.24	24.06	38.029
313.34		38.085
313.44	24.061	38.14
313.54	24.062	38.196
313.64		38.252
313.74	24.063	38.308
313.84	24.064	38.364
313.94		38.421
314.	24.065	38.455
314.01		38.461
314.02		38.466
314.05		38.483
314.14	24.066	38.535
314.24		38.592
314.34	24.067	38.649
314.44	24.068	38.707
314.54	24.069	38.764
314.64		38.822
314.74	24.07	38.88
314.84	24.071	38.939
314.94		38.997
315.	24.072	39.032
315.01		39.038
315.02		39.044
315.05		39.062
315.14	24.073	39.115
315.24	24.074	39.174
315.34		39.233
315.44	24.075	39.293
315.54	24.076	39.352
315.64		39.412
315.74	24.077	39.472
315.84	24.078	39.532
315.94	24.079	39.592
316.		39.629
316.01		39.635
316.02		39.641
316.05		39.659
316.14	24.08	39.714
316.24	24.081	39.774
316.34	24.082	39.836
316.44		39.897
316.54	24.083	39.958
316.64	24.084	40.02
316.74	24.085	40.082
316.84		40.144
316.94	24.086	40.206
317.	24.087	40.243
317.01		40.25
317.02		40.256
317.05		40.275
317.14	24.088	40.331
317.24		40.394
317.34	24.089	40.457
317.44	24.09	40.52
317.54	24.091	40.584
317.64	24.092	40.647
317.74		40.711

317.84	24.093	40.775
317.94	24.094	40.839
318.		40.878
318.01		40.885
318.02	24.095	40.891
318.05		40.91
318.14		40.969
318.24	24.096	41.033
318.34	24.097	41.098
318.44	24.098	41.164
318.54	24.099	41.229
318.64		41.294
318.74	24.1	41.36
318.84	24.101	41.426
318.94	24.102	41.492
319.		41.532
319.01		41.538
319.02	24.103	41.545
319.05		41.565
319.14	24.104	41.625
319.24		41.691
319.34	24.105	41.758
319.44	24.106	41.825
319.54	24.107	41.891
319.64	24.108	41.959
319.74		42.026
319.84	24.109	42.093
319.94	24.11	42.161
320.	24.111	42.202
320.01		42.208
320.02		42.215
320.05		42.236
320.14	24.112	42.297
320.24	24.113	42.365
320.34		42.433
320.44	24.114	42.502
320.54	24.115	42.571
320.64	24.116	42.64
320.74	24.117	42.709
320.84	24.118	42.778
320.94	24.119	42.848
321.		42.89
321.01		42.897
321.02		42.904
321.05		42.925
321.14	24.12	42.988
321.24	24.121	43.058
321.34	24.122	43.128
321.44	24.123	43.198
321.54	24.124	43.269
321.64	24.125	43.34
321.74		43.411
321.84	24.126	43.482
321.94	24.127	43.554
322.	24.128	43.597
322.01		43.604
322.02		43.611
322.05		43.632
322.14	24.129	43.697
322.24	24.13	43.769

322.34	24.131	43.841
322.44	24.132	43.913
322.54	24.133	43.986
322.64		44.058
322.74	24.134	44.131
322.84	24.135	44.204
322.94	24.136	44.277
323.	24.137	44.321
323.01		44.328
323.02		44.335
323.05		44.357
323.14	24.138	44.423
323.24	24.139	44.497
323.34	24.14	44.57
323.44	24.141	44.644
323.54	24.142	44.718
323.64	24.143	44.792
323.74		44.866
323.84	24.144	44.94
323.94	24.145	45.015
324.	24.146	45.06
324.01		45.067
324.02		45.075
324.05		45.097
324.14	24.147	45.164
324.24	24.148	45.239
324.34	24.149	45.314
324.44	24.15	45.39
324.54	24.151	45.465
324.64	24.152	45.541
324.74	24.153	45.616
324.84	24.154	45.692
324.94	24.155	45.768
325.		45.814
325.01		45.822
325.02		45.83
325.05	24.156	45.853
325.14	24.157	45.921
325.24		45.998
325.34	24.158	46.075
325.44	24.159	46.152
325.54	24.16	46.229
325.64	24.161	46.306
325.74	24.162	46.384
325.84	24.163	46.462
325.94	24.164	46.539
326.	24.165	46.586
326.01		46.594
326.02		46.602
326.05		46.625
326.14	24.166	46.695
326.24	24.167	46.774
326.34	24.168	46.852
326.44	24.169	46.931
326.54	24.17	47.009
326.64	24.171	47.088
326.74	24.172	47.167
326.84	24.173	47.246
326.94	24.174	47.325
327.		47.372

327.01	24.175	47.38
327.02		47.388
327.05		47.412
327.14	24.176	47.483
327.24	24.177	47.562
327.34	24.178	47.642
327.44	24.179	47.721
327.54	24.18	47.801
327.64	24.181	47.881
327.74	24.182	47.961
327.84	24.183	48.041
327.94	24.184	48.121
328.		48.169
328.01	24.185	48.177
328.02		48.185
328.05		48.209
328.14	24.186	48.282
328.24	24.187	48.362
328.34	24.188	48.442
328.44	24.189	48.523
328.54	24.19	48.604
328.64	24.191	48.685
328.74	24.192	48.766
328.84	24.193	48.847
328.94	24.194	48.928
329.	24.195	48.977
329.01		48.985
329.02		48.993
329.05		49.017
329.14	24.196	49.09
329.24	24.197	49.172
329.34	24.198	49.253
329.44	24.199	49.335
329.54	24.2	49.417
329.64	24.201	49.499
329.74	24.202	49.58
329.84	24.203	49.662
329.94	24.204	49.745
330.	24.205	49.794
330.01		49.802
330.02		49.81
330.05		49.835
330.14	24.206	49.909
330.24	24.207	49.991
330.34	24.208	50.074
330.44	24.209	50.156
330.54	24.21	50.239
330.64	24.211	50.321
330.74	24.212	50.404
330.84	24.213	50.487
330.94	24.215	50.57
331.		50.62
331.01		50.628
331.02		50.636
331.05	24.216	50.661
331.14	24.217	50.736
331.24	24.218	50.819
331.34	24.219	50.902
331.44	24.22	50.985
331.54	24.221	51.069

331.64	24.222	51.152
331.74	24.223	51.235
331.84	24.224	51.319
331.94	24.225	51.402
332.	24.226	51.453
332.01		51.461
332.02		51.469
332.05		51.495
332.14	24.227	51.57
332.24	24.228	51.654
332.34	24.229	51.737
332.44	24.23	51.821
332.54	24.231	51.905
332.64	24.232	51.989
332.74	24.233	52.073
332.84	24.234	52.158
332.94	24.236	52.242
333.		52.293
333.01		52.301
333.02		52.309
333.05	24.237	52.335
333.14	24.238	52.411
333.24	24.239	52.495
333.34	24.24	52.58
333.44	24.241	52.665
333.54	24.242	52.749
333.64	24.243	52.834
333.74	24.244	52.919
333.84	24.245	53.004
333.94	24.246	53.089
334.	24.247	53.14
334.01		53.149
334.02		53.157
334.05		53.183
334.14	24.248	53.26
334.24	24.249	53.345
334.34	24.251	53.43
334.44	24.252	53.516
334.54	24.253	53.601
334.64	24.254	53.687
334.74	24.255	53.773
334.84	24.256	53.859
334.94	24.257	53.945
335.	24.258	53.996
335.01		54.005
335.02		54.013
335.05		54.039
335.14	24.259	54.117
335.24	24.26	54.203
335.34	24.261	54.289
335.44	24.262	54.375
335.54	24.264	54.461
335.64	24.265	54.548
335.74	24.266	54.634
335.84	24.267	54.721
335.94	24.268	54.808
336.	24.269	54.86
336.01		54.868
336.02		54.877
336.05		54.903

336.14	24.27	54.981
336.24	24.271	55.068
336.34	24.272	55.155
336.44	24.273	55.242
336.54	24.275	55.329
336.64	24.276	55.416
336.74	24.277	55.503
336.84	24.278	55.591
336.94	24.279	55.678
337.	24.28	55.731
337.01		55.739
337.02		55.748
337.05		55.774
337.14	24.281	55.853
337.24	24.282	55.941
337.34	24.283	56.028
337.44	24.285	56.116
337.54	24.286	56.204
337.64	24.287	56.292
337.74	24.288	56.38
337.84	24.289	56.468
337.94	24.29	56.556
338.	24.291	56.609
338.01		56.618
338.02		56.626
338.05		56.653
338.14	24.292	56.732
338.24	24.294	56.821
338.34	24.295	56.909
338.44	24.296	56.997
338.54	24.297	57.086
338.64	24.298	57.174
338.74	24.299	57.263
338.84	24.3	57.351
338.94	24.301	57.44
339.	24.302	57.493
339.01		57.502
339.02		57.511
339.05	24.303	57.537
339.14	24.304	57.617
339.24	24.305	57.706
339.34	24.306	57.795
339.44	24.307	57.884
339.54	24.308	57.973
339.64	24.309	58.062
339.74	24.31	58.151
339.84	24.312	58.24
339.94	24.313	58.33
340.		58.383
340.01	24.314	58.392
340.02		58.401
340.05		58.428
340.14	24.315	58.508
340.24	24.316	58.598
340.34	24.317	58.687
340.44	24.318	58.777
340.54	24.32	58.866
340.64	24.321	58.956
340.74	24.322	59.045
340.84	24.323	59.135

340.94	24.324	59.225
341.	24.325	59.279
341.01		59.288
341.02		59.297
341.05		59.323
341.14	24.326	59.404
341.24	24.328	59.494
341.34	24.329	59.584
341.44	24.33	59.674
341.54	24.331	59.764
341.64	24.332	59.854
341.74	24.333	59.944
341.84	24.335	60.034
341.94	24.336	60.124
342.		60.178
342.01	24.337	60.187
342.02		60.196
342.05		60.223
342.14	24.338	60.304
342.24	24.339	60.395
342.34	24.34	60.485
342.44	24.341	60.575
342.54	24.343	60.665
342.64	24.344	60.755
342.74	24.345	60.846
342.84	24.346	60.936
342.94	24.347	61.026
343.	24.348	61.081
343.01		61.09
343.02		61.099
343.05	24.349	61.126
343.14	24.35	61.207
343.24	24.351	61.298
343.34	24.352	61.388
343.44	24.353	61.478
343.54	24.354	61.569
343.64	24.355	61.66
343.74	24.357	61.75
343.84	24.358	61.841
343.94	24.359	61.931
344.	24.36	61.986
344.01		61.995
344.02		62.004
344.05		62.031
344.14	24.361	62.113
344.24	24.362	62.204
344.34	24.364	62.295
344.44	24.365	62.385
344.54	24.366	62.476
344.64	24.367	62.567
344.74	24.368	62.658
344.84	24.369	62.749
344.94	24.371	62.84
345.		62.895
345.01		62.904
345.02	24.372	62.913
345.05		62.941
345.14	24.373	63.023
345.24	24.374	63.114
345.34	24.375	63.205

345.44	24.376	63.296
345.54	24.378	63.387
345.64	24.379	63.478
345.74	24.38	63.57
345.84	24.381	63.661
345.94	24.382	63.752
346.	24.383	63.807
346.01		63.816
346.02		63.825
346.05	24.384	63.853
346.14	24.385	63.935
346.24	24.386	64.026
346.34	24.387	64.118
346.44	24.388	64.209
346.54	24.389	64.301
346.64	24.391	64.392
346.74	24.392	64.484
346.84	24.393	64.575
346.94	24.394	64.667
347.	24.395	64.722
347.01		64.731
347.02		64.74
347.05		64.768
347.14	24.396	64.85
347.24	24.398	64.942
347.34	24.399	65.034
347.44	24.4	65.126
347.54	24.401	65.217
347.64	24.402	65.309
347.74	24.404	65.401
347.84	24.405	65.493
347.94	24.406	65.585
348.	24.407	65.64
348.01		65.649
348.02		65.658
348.05		65.686
348.14	24.408	65.768
348.24	24.41	65.86
348.34	24.411	65.952
348.44	24.412	66.044
348.54	24.413	66.136
348.64	24.414	66.228
348.74	24.415	66.32
348.84	24.417	66.412
348.94	24.418	66.504
349.	24.419	66.559
349.01		66.568
349.02		66.577
349.05		66.605
349.14	24.42	66.688
349.24	24.421	66.78
349.34	24.423	66.872
349.44	24.424	66.964
349.54	24.425	67.056
349.64	24.426	67.148
349.74	24.427	67.24
349.84	24.429	67.332
349.94	24.43	67.425
350.		67.48
350.01		67.489

350.02	24.431	67.499
350.05		67.526
350.14	24.432	67.609
350.24	24.433	67.702
350.34	24.435	67.794
350.44	24.436	67.886
350.54	24.437	67.979
350.64	24.438	68.071
350.74	24.439	68.163
350.84	24.441	68.256
350.94	24.442	68.348
351.		68.403
351.01	24.443	68.413
351.02		68.422
351.05		68.45
351.14	24.444	68.533
351.24	24.445	68.625
351.34	24.447	68.718
351.44	24.448	68.81
351.54	24.449	68.903
351.64	24.45	68.995
351.74	24.451	69.087
351.84	24.453	69.18
351.94	24.454	69.272
352.		69.328
352.01	24.455	69.337
352.02		69.346
352.05		69.374
352.14	24.456	69.457
352.24	24.457	69.55
352.34	24.459	69.642
352.44	24.46	69.735
352.54	24.461	69.827
352.64	24.462	69.92
352.74	24.463	70.012
352.84	24.465	70.105
352.94	24.466	70.197
353.		70.253
353.01	24.467	70.262
353.02		70.271
353.05		70.299
353.14	24.468	70.382
353.24	24.469	70.474
353.34	24.471	70.567
353.44	24.472	70.659
353.54	24.473	70.752
353.64	24.474	70.844
353.74	24.475	70.936
353.84	24.477	71.029
353.94	24.478	71.121
354.		71.177
354.01	24.479	71.186
354.02		71.195
354.05		71.223
354.14	24.48	71.306
354.24	24.481	71.398
354.34	24.483	71.49
354.44	24.484	71.583
354.54	24.485	71.675
354.64	24.486	71.767

354.74	24.487	71.86
354.84	24.489	71.952
354.94	24.49	72.044
355.	24.491	72.1
355.01		72.109
355.02		72.118
355.05		72.146
355.14	24.492	72.229
355.24	24.493	72.321
355.34	24.495	72.414
355.44	24.496	72.506
355.54	24.497	72.598
355.64	24.498	72.69
355.74	24.499	72.783
355.84	24.501	72.875
355.94	24.502	72.967
356.	24.503	73.023
356.01		73.032
356.02		73.041
356.05		73.069
356.14	24.504	73.152
356.24	24.505	73.244
356.34	24.507	73.336
356.44	24.508	73.428
356.54	24.509	73.521
356.64	24.51	73.613
356.74	24.511	73.705
356.84	24.513	73.797
356.94	24.514	73.889
357.	24.515	73.944
357.01		73.954
357.02		73.963
357.05		73.99
357.14	24.516	74.073
357.24	24.517	74.165
357.34	24.519	74.257
357.44	24.52	74.349
357.54	24.521	74.441
357.64	24.522	74.533
357.74	24.524	74.626
357.84	24.525	74.718
357.94	24.526	74.81
358.	24.527	74.865
358.01		74.874
358.02		74.883
358.05		74.911
358.14	24.528	74.994
358.24	24.529	75.086
358.34	24.531	75.178
358.44	24.532	75.27
358.54	24.533	75.362
358.64	24.534	75.454
358.74	24.535	75.546
358.84	24.537	75.638
358.94	24.538	75.731
359.	24.539	75.786
359.01		75.795
359.02		75.804
359.05		75.832
359.14	24.54	75.915

359.24	24.541	76.007
359.34	24.543	76.099
359.44	24.544	76.191
359.54	24.545	76.283
359.64	24.546	76.375
359.74	24.547	76.467
359.84	24.549	76.559
359.94	24.55	76.651
360.		76.707
360.01	24.551	76.716
360.02		76.725
360.05		76.753
360.14	24.552	76.835
360.24	24.553	76.927
360.34	24.554	77.019
360.44	24.556	77.111
360.54	24.557	77.203
360.64	24.558	77.296
360.74	24.559	77.388
360.84	24.56	77.48
360.94	24.562	77.572
361.		77.627
361.01		77.636
361.02	24.563	77.645
361.05		77.673
361.14	24.564	77.756
361.24	24.565	77.848
361.34	24.566	77.94
361.44	24.568	78.032
361.54	24.569	78.124
361.64	24.57	78.216
361.74	24.571	78.308
361.84	24.572	78.4
361.94	24.574	78.492
362.		78.548
362.01		78.557
362.02		78.566
362.05	24.575	78.594
362.14	24.576	78.676
362.24	24.577	78.769
362.34	24.578	78.861
362.44	24.579	78.953
362.54	24.581	79.045
362.64	24.582	79.137
362.74	24.583	79.229
362.84	24.584	79.321
362.94	24.585	79.413
363.	24.586	79.468
363.01		79.477
363.02		79.486
363.05	24.587	79.514
363.14	24.588	79.596
363.24	24.589	79.688
363.34	24.59	79.78
363.44	24.591	79.872
363.54	24.593	79.964
363.64	24.594	80.056
363.74	24.595	80.148
363.84	24.596	80.24
363.94	24.597	80.332

364.	24.598	80.387
364.01		80.396
364.02		80.405
364.05	24.599	80.433
364.14	24.6	80.516
364.24	24.601	80.607
364.34	24.602	80.699
364.44	24.603	80.791
364.54	24.605	80.883
364.64	24.606	80.975
364.74	24.607	81.067
364.84	24.608	81.158
364.94	24.609	81.25
365.	24.61	81.305
365.01		81.314
365.02		81.324
365.05	24.611	81.351
365.14	24.612	81.434
365.24	24.613	81.526
365.34	24.614	81.617
365.44	24.615	81.709
365.54	24.616	81.801
365.64	24.618	81.892
365.74	24.619	81.984
365.84	24.62	82.076
365.94	24.621	82.168
366.	24.622	82.223
366.01		82.232
366.02		82.241
366.05	24.623	82.268
366.14	24.624	82.351
366.24	24.625	82.443
366.34	24.626	82.534
366.44	24.627	82.626
366.54	24.628	82.718
366.64	24.63	82.809
366.74	24.631	82.901
366.84	24.632	82.993
366.94	24.633	83.084
367.	24.634	83.139
367.01		83.148
367.02		83.158
367.05		83.185
367.14	24.636	83.268
367.24	24.637	83.359
367.34	24.638	83.451
367.44	24.639	83.543
367.54	24.64	83.635
367.64	24.641	83.727
367.74	24.643	83.819
367.84	24.644	83.91
367.94	24.645	84.002
368.	24.646	84.058
368.01		84.067
368.02		84.076
368.05		84.104
368.14	24.647	84.186
368.24	24.649	84.278
368.34	24.65	84.37
368.44	24.651	84.462

368.54	24.652	84.554
368.64	24.653	84.646
368.74	24.655	84.738
368.84	24.656	84.83
368.94	24.657	84.922
369.	24.658	84.978
369.01		84.987
369.02		84.996
369.05		85.024
369.14	24.659	85.107
369.24	24.661	85.199
369.34	24.662	85.291
369.44	24.663	85.383
369.54	24.664	85.475
369.64	24.665	85.567
369.74	24.667	85.659
369.84	24.668	85.751
369.94	24.669	85.843
370.	24.67	85.898
370.01		85.907
370.02		85.916
370.05		85.944
370.14	24.671	86.027
370.24	24.673	86.119
370.34	24.674	86.211
370.44	24.675	86.303
370.54	24.676	86.395
370.64	24.677	86.487
370.74	24.679	86.579
370.84	24.68	86.671
370.94	24.681	86.763
371.	24.682	86.818
371.01		86.827
371.02		86.837
371.05		86.864
371.14	24.683	86.947
371.24	24.685	87.039
371.34	24.686	87.131
371.44	24.687	87.223
371.54	24.688	87.315
371.64	24.69	87.406
371.74	24.691	87.498
371.84	24.692	87.59
371.94	24.693	87.682
372.	24.694	87.737
372.01		87.746
372.02		87.756
372.05		87.783
372.14	24.696	87.866
372.24	24.697	87.957
372.34	24.698	88.049
372.44	24.699	88.141
372.54	24.7	88.233
372.64	24.702	88.324
372.74	24.703	88.416
372.84	24.704	88.508
372.94	24.705	88.599
373.	24.706	88.654
373.01		88.663
373.02		88.672

373.05		88.7
373.14	24.708	88.782
373.24	24.709	88.874
373.34	24.71	88.965
373.44	24.711	89.057
373.54	24.712	89.149
373.64	24.714	89.24
373.74	24.715	89.332
373.84	24.716	89.423
373.94	24.717	89.515
374.	24.718	89.57
374.01		89.579
374.02		89.588
374.05		89.615
374.14	24.719	89.698
374.24	24.721	89.789
374.34	24.722	89.881
374.44	24.723	89.972
374.54	24.724	90.064
374.64	24.725	90.155
374.74	24.727	90.247
374.84	24.728	90.338
374.94	24.729	90.429
375.	24.73	90.484
375.01		90.493
375.02		90.502
375.05		90.53
375.14	24.731	90.612
375.24	24.733	90.703
375.34	24.734	90.795
375.44	24.735	90.886
375.54	24.736	90.977
375.64	24.737	91.068
375.74	24.739	91.16
375.84	24.74	91.251
375.94	24.741	91.342
376.	24.742	91.397
376.01		91.406
376.02		91.415
376.05		91.443
376.14	24.743	91.525
376.24	24.745	91.616
376.34	24.746	91.707
376.44	24.747	91.798
376.54	24.748	91.89
376.64	24.749	91.981
376.74	24.751	92.072
376.84	24.752	92.163
376.94	24.753	92.255
377.	24.754	92.309
377.01		92.318
377.02		92.328
377.05		92.355
377.14	24.755	92.437
377.24	24.757	92.528
377.34	24.758	92.619
377.44	24.759	92.71
377.54	24.76	92.802
377.64	24.761	92.893
377.74	24.763	92.984

377.84	24.764	93.075
377.94	24.765	93.166
378.	24.766	93.221
378.01		93.23
378.02		93.239
378.05		93.266
378.14	24.767	93.348
378.24	24.769	93.439
378.34	24.77	93.53
378.44	24.771	93.621
378.54	24.772	93.712
378.64	24.773	93.803
378.74	24.775	93.894
378.84	24.776	93.985
378.94	24.777	94.076
379.	24.778	94.13
379.01		94.139
379.02		94.149
379.05		94.176
379.14	24.779	94.258
379.24	24.781	94.349
379.34	24.782	94.44
379.44	24.783	94.531
379.54	24.784	94.621
379.64	24.785	94.712
379.74	24.787	94.803
379.84	24.788	94.894
379.94	24.789	94.985
380.	24.79	95.04
380.01		95.049
380.02		95.058
380.05		95.086
380.14	24.791	95.168
380.24	24.793	95.259
380.34	24.794	95.35
380.44	24.795	95.441
380.54	24.796	95.532
380.64	24.797	95.623
380.74	24.799	95.714
380.84	24.8	95.805
380.94	24.801	95.896
381.	24.802	95.95
381.01		95.959
381.02		95.969
381.05		95.996
381.14	24.803	96.078
381.24	24.805	96.169
381.34	24.806	96.26
381.44	24.807	96.351
381.54	24.808	96.442
381.64	24.809	96.533
381.74	24.811	96.624
381.84	24.812	96.715
381.94	24.813	96.806
382.	24.814	96.86
382.01		96.869
382.02		96.878
382.05		96.906
382.14	24.815	96.987
382.24	24.817	97.078

382.34	24.818	97.169
382.44	24.819	97.26
382.54	24.82	97.351
382.64	24.821	97.442
382.74	24.823	97.533
382.84	24.824	97.624
382.94	24.825	97.714
383.	24.826	97.769
383.01		97.778
383.02		97.787
383.05		97.814
383.14	24.827	97.896
383.24	24.829	97.987
383.34	24.83	98.078
383.44	24.831	98.169
383.54	24.832	98.26
383.64	24.834	98.351
383.74	24.835	98.442
383.84	24.836	98.533
383.94	24.837	98.624
384.	24.838	98.678
384.01		98.687
384.02		98.696
384.05		98.724
384.14	24.84	98.805
384.24	24.841	98.896
384.34	24.842	98.987
384.44	24.843	99.078
384.54	24.844	99.169
384.64	24.846	99.26
384.74	24.847	99.351
384.84	24.848	99.442
384.94	24.849	99.533
385.	24.85	99.588
385.01		99.597
385.02		99.606
385.05	24.851	99.634
385.14	24.852	99.716
385.24	24.853	99.807
385.34	24.854	99.898
385.44	24.855	99.989
385.54	24.856	100.08
385.64	24.858	100.17
385.74	24.859	100.26
385.84	24.86	100.35
385.94	24.861	100.44
386.	24.862	100.5
386.01		100.51
386.02		100.52
386.05	24.863	100.54
386.14	24.864	100.63
386.24	24.865	100.72
386.34	24.866	100.81
386.44	24.867	100.9
386.54	24.869	100.99
386.64	24.87	101.08
386.74	24.871	101.17
386.84	24.872	101.26
386.94	24.873	101.36
387.		101.41

387.01	24.874	101.42
387.02		101.43
387.05	24.875	101.46
387.14	24.876	101.54
387.24	24.877	101.63
387.34	24.878	101.72
387.44	24.879	101.81
387.54	24.881	101.91
387.64	24.882	102.
387.74	24.883	102.09
387.84	24.884	102.18
387.94	24.886	102.27
388.		102.33
388.01		102.34
388.02	24.887	
388.05		102.37
388.14	24.888	102.45
388.24	24.889	102.55
388.34	24.89	102.64
388.44	24.892	102.73
388.54	24.893	102.82
388.64	24.894	102.91
388.74	24.895	103.
388.84	24.897	103.1
388.94	24.898	103.19
389.		103.24
389.01	24.899	103.25
389.02		103.26
389.05		103.29
389.14	24.9	103.37
389.24	24.901	103.46
389.34	24.903	103.55
389.44	24.904	103.65
389.54	24.905	103.74
389.64	24.906	103.83
389.74	24.908	103.92
389.84	24.909	104.01
389.94	24.91	104.1
390.	24.911	104.16
390.01		104.17
390.02		104.18
390.05		104.2
390.14	24.912	104.29
390.24	24.914	104.38
390.34	24.915	104.47
390.44	24.916	104.56
390.54	24.917	104.65
390.64	24.919	104.74
390.74	24.92	104.84
390.84	24.921	104.93
390.94	24.922	105.02
391.	24.923	105.07
391.01		105.08
391.02		105.09
391.05	24.924	105.12
391.14	24.925	105.2
391.24	24.926	105.29
391.34	24.927	105.39
391.44	24.928	105.48
391.54	24.93	105.57

391.64	24.931	105.66
391.74	24.932	105.75
391.84	24.933	105.84
391.94	24.934	105.94
392.	24.935	105.99
392.01		106.
392.02		106.01
392.05	24.936	106.04
392.14	24.937	106.12
392.24	24.938	106.21
392.34	24.939	106.3
392.44	24.941	106.39
392.54	24.942	106.49
392.64	24.943	106.58
392.74	24.944	106.67
392.84	24.945	106.76
392.94	24.947	106.85
393.		106.91
393.01	24.948	106.92
393.02		106.93
393.05		106.95
393.14	24.949	107.04
393.24	24.95	107.13
393.34	24.952	107.22
393.44	24.953	107.31
393.54	24.954	107.4
393.64	24.955	107.49
393.74	24.956	107.58
393.84	24.958	107.68
393.94	24.959	107.77
394.	24.96	107.82
394.01		107.83
394.02		107.84
394.05		107.87
394.14	24.961	107.95
394.24	24.963	108.04
394.34	24.964	108.13
394.44	24.965	108.22
394.54	24.966	108.32
394.64	24.968	108.41
394.74	24.969	108.5
394.84	24.97	108.59
394.94	24.971	108.68
395.	24.972	108.74
395.01		
395.02		108.75
395.05	24.973	108.78
395.14	24.974	108.86
395.24	24.975	108.95
395.34	24.976	109.05
395.44	24.977	109.14
395.54	24.979	109.23
395.64	24.98	109.32
395.74	24.981	109.41
395.84	24.982	109.5
395.94	24.983	109.59
396.	24.984	109.65
396.01		109.66
396.02		109.67
396.05	24.985	109.69

396.14	24.986	109.77
396.24	24.987	109.87
396.34	24.988	109.96
396.44	24.99	110.05
396.54	24.991	110.14
396.64	24.992	110.23
396.74	24.993	110.32
396.84	24.994	110.41
396.94	24.996	110.5
397.		110.56
397.01	24.997	110.57
397.02		110.58
397.05		110.6
397.14	24.998	110.68
397.24	24.999	110.78
397.34	25.001	110.87
397.44	25.002	110.96
397.54	25.003	111.05
397.64	25.004	111.14
397.74	25.005	111.23
397.84	25.007	111.32
397.94	25.008	111.41
398.	25.009	111.47
398.01		
398.02		111.48
398.05		111.51
398.14	25.01	111.59
398.24	25.012	111.68
398.34	25.013	111.77
398.44	25.014	111.86
398.54	25.015	111.96
398.64	25.016	112.05
398.74	25.018	112.14
398.84	25.019	112.23
398.94	25.02	112.32
399.	25.021	112.37
399.01		112.38
399.02		112.39
399.05	25.022	112.42
399.14	25.023	112.5
399.24	25.024	112.59
399.34	25.025	112.68
399.44	25.026	112.77
399.54	25.028	112.86
399.64	25.029	112.95
399.74	25.03	113.04
399.84	25.031	113.13
399.94	25.032	113.22
400.	25.033	113.28
400.01		113.29
400.02		
400.05	25.034	113.32
400.14	25.035	113.4
400.24	25.036	113.49
400.34	25.037	113.58
400.44	25.038	113.67
400.54	25.04	113.76
400.64	25.041	113.85
400.74	25.042	113.94
400.84	25.043	114.04

400.94	25.045	114.13
401.		114.18
401.01		114.19
401.02	25.046	114.2
401.05		114.22
401.14	25.047	114.31
401.24	25.048	114.4
401.34	25.049	114.49
401.44	25.051	114.58
401.54	25.052	114.67
401.64	25.053	114.76
401.74	25.054	114.85
401.84	25.056	114.94
401.94	25.057	115.03
402.	25.058	115.08
402.01		115.09
402.02		115.1
402.05		115.12
402.14	25.059	115.2
402.24	25.06	115.29
402.34	25.062	115.38
402.44	25.063	115.47
402.54	25.064	115.56
402.64	25.065	115.65
402.74	25.067	115.74
402.84	25.068	115.83
402.94	25.069	115.92
403.	25.07	115.98
403.01		115.99
403.02		
403.05		116.02
403.14	25.071	116.1
403.24	25.073	116.19
403.34	25.074	116.28
403.44	25.075	116.37
403.54	25.076	116.46
403.64	25.077	116.55
403.74	25.079	116.64
403.84	25.08	116.73
403.94	25.081	116.82
404.	25.082	116.87
404.01		116.88
404.02		116.89
404.05		116.92
404.14	25.084	117.
404.24	25.085	117.09
404.34	25.086	117.17
404.44	25.087	117.26
404.54	25.088	117.35
404.64	25.09	117.44
404.74	25.091	117.53
404.84	25.092	117.62
404.94	25.093	117.71
405.	25.094	117.76
405.01		117.77
405.02		117.78
405.05	25.095	117.81
405.14	25.096	117.89
405.24	25.097	117.98
405.34	25.098	118.07

405.44	25.099	118.16
405.54	25.101	118.24
405.64	25.102	118.33
405.74	25.103	118.42
405.84	25.104	118.51
405.94	25.105	118.6
406.	25.106	118.65
406.01		118.66
406.02		118.67
406.05	25.107	118.7
406.14	25.108	118.78
406.24	25.109	118.87
406.34	25.11	118.96
406.44	25.111	119.04
406.54	25.113	119.13
406.64	25.114	119.22
406.74	25.115	119.31
406.84	25.116	119.4
406.94	25.118	119.49
407.		119.54
407.01		119.55
407.02		119.56
407.05	25.119	119.59
407.14	25.12	119.67
407.24	25.121	119.75
407.34	25.122	119.84
407.44	25.124	119.93
407.54	25.125	120.02
407.64	25.126	120.11
407.74	25.127	120.2
407.84	25.128	120.28
407.94	25.13	120.37
408.		120.43
408.01		
408.02	25.131	120.44
408.05		120.47
408.14	25.132	120.55
408.24	25.133	120.64
408.34	25.134	120.73
408.44	25.136	120.81
408.54	25.137	120.9
408.64	25.138	120.99
408.74	25.139	121.08
408.84	25.14	121.17
408.94	25.142	121.25
409.		121.31
409.01	25.143	121.32
409.02		121.33
409.05		121.35
409.14	25.144	121.43
409.24	25.145	121.52
409.34	25.146	121.61
409.44	25.148	121.69
409.54	25.149	121.78
409.64	25.15	121.87
409.74	25.151	121.96
409.84	25.153	122.05
409.94	25.154	122.13
410.		122.19
410.01		

410.02	25.155	122.2
410.05		122.23
410.14	25.156	122.31
410.24	25.157	122.4
410.34	25.159	122.48
410.44	25.16	122.57
410.54	25.161	122.66
410.64	25.162	122.75
410.74	25.163	122.83
410.84	25.165	122.92
410.94	25.166	123.01
411.		123.06
411.01	25.167	123.07
411.02		123.08
411.05		123.11
411.14	25.168	123.18
411.24	25.169	123.27
411.34	25.171	123.36
411.44	25.172	123.45
411.54	25.173	123.53
411.64	25.174	123.62
411.74	25.175	123.71
411.84	25.177	123.8
411.94	25.178	123.88
412.		123.93
412.01	25.179	123.94
412.02		123.95
412.05		123.98
412.14	25.18	124.06
412.24	25.181	124.14
412.34	25.183	124.23
412.44	25.184	124.32
412.54	25.185	124.4
412.64	25.186	124.49
412.74	25.187	124.58
412.84	25.189	124.67
412.94	25.19	124.75
413.		124.81
413.01	25.191	124.81
413.02		124.82
413.05		124.85
413.14	25.192	124.93
413.24	25.193	125.01
413.34	25.194	125.1
413.44	25.196	125.19
413.54	25.197	125.27
413.64	25.198	125.36
413.74	25.199	125.45
413.84	25.2	125.53
413.94	25.202	125.62
414.		125.67
414.01	25.203	125.68
414.02		125.69
414.05		125.72
414.14	25.204	125.79
414.24	25.205	125.88
414.34	25.206	125.97
414.44	25.208	126.05
414.54	25.209	126.14
414.64	25.21	126.23

414.74	25.211	126.31
414.84	25.212	126.4
414.94	25.214	126.49
415.		126.54
415.01		126.55
415.02	25.215	
415.05		126.58
415.14	25.216	126.66
415.24	25.217	126.74
415.34	25.218	126.83
415.44	25.22	126.92
415.54	25.221	127.
415.64	25.222	127.09
415.74	25.223	127.17
415.84	25.224	127.26
415.94	25.225	127.35
416.	25.226	127.4
416.01		127.41
416.02		
416.05	25.227	127.44
416.14	25.228	127.52
416.24	25.229	127.6
416.34	25.23	127.69
416.44	25.231	127.77
416.54	25.233	127.86
416.64	25.234	127.95
416.74	25.235	128.03
416.84	25.236	128.12
416.94	25.237	128.2
417.	25.238	128.25
417.01		128.26
417.02		128.27
417.05	25.239	128.3
417.14	25.24	128.37
417.24	25.241	128.46
417.34	25.242	128.54
417.44	25.243	128.63
417.54	25.244	128.71
417.64	25.246	128.8
417.74	25.247	128.88
417.84	25.248	128.97
417.94	25.249	129.06
418.	25.25	129.11
418.01		
418.02		129.12
418.05		129.15
418.14	25.252	129.23
418.24	25.253	129.31
418.34	25.254	129.4
418.44	25.255	129.48
418.54	25.256	129.57
418.64	25.257	129.65
418.74	25.259	129.74
418.84	25.26	129.82
418.94	25.261	129.91
419.	25.262	129.96
419.01		129.97
419.02		
419.05		130.
419.14	25.263	130.08

419.24	25.265	130.16
419.34	25.266	130.25
419.44	25.267	130.33
419.54	25.268	130.42
419.64	25.269	130.5
419.74	25.27	130.58
419.84	25.272	130.67
419.94	25.273	130.75
420.		130.8
420.01	25.274	130.81
420.02		130.82
420.05		130.85
420.14	25.275	130.92
420.24	25.276	131.01
420.34	25.277	131.09
420.44	25.279	131.18
420.54	25.28	131.26
420.64	25.281	131.35
420.74	25.282	131.43
420.84	25.283	131.51
420.94	25.285	131.6
421.		131.65
421.01		131.66
421.02		131.67
421.05	25.286	131.69
421.14	25.287	131.77
421.24	25.288	131.85
421.34	25.289	131.94
421.44	25.29	132.02
421.54	25.292	132.1
421.64	25.293	132.19
421.74	25.294	132.27
421.84	25.295	132.36
421.94	25.296	132.44
422.	25.297	132.49
422.01		132.5
422.02		132.51
422.05	25.298	132.53
422.14	25.299	132.61
422.24	25.3	132.69
422.34	25.301	132.77
422.44	25.302	132.86
422.54	25.303	132.94
422.64	25.304	133.03
422.74	25.306	133.11
422.84	25.307	133.19
422.94	25.308	133.28
423.	25.309	133.33
423.01		
423.02		133.34
423.05		133.37
423.14	25.31	133.44
423.24	25.311	133.53
423.34	25.313	133.61
423.44	25.314	133.69
423.54	25.315	133.78
423.64	25.316	133.86
423.74	25.317	133.94
423.84	25.318	134.03
423.94		134.11

424.	25.32	134.16
424.01		134.17
424.02		134.18
424.05	25.321	134.2
424.14	25.322	134.28
424.24	25.323	134.36
424.34	25.324	134.44
424.44	25.325	134.53
424.54	25.327	134.61
424.64	25.328	134.69
424.74	25.329	134.77
424.84	25.33	134.86
424.94	25.331	134.94
425.	25.332	134.99
425.01		135.
425.02		135.01
425.05		135.03
425.14	25.333	135.11
425.24	25.335	135.19
425.34	25.336	135.27
425.44	25.337	135.35
425.54	25.338	135.44
425.64	25.339	135.52
425.74	25.34	135.6
425.84	25.342	135.68
425.94	25.343	135.77
426.		135.82
426.01	25.344	135.83
426.02		
426.05		135.86
426.14	25.345	135.93
426.24	25.346	136.02
426.34	25.347	136.1
426.44	25.349	136.18
426.54	25.35	136.26
426.64	25.351	136.34
426.74	25.352	136.43
426.84	25.353	136.51
426.94	25.354	136.59
427.	25.355	136.64
427.01		136.65
427.02		136.66
427.05	25.356	136.68
427.14	25.357	136.76
427.24	25.358	136.84
427.34	25.359	136.92
427.44	25.36	137.
427.54	25.361	137.08
427.64	25.362	137.17
427.74	25.364	137.25
427.84	25.365	137.33
427.94	25.366	137.41
428.	25.367	137.46
428.01		137.47
428.02		137.48
428.05		137.5
428.14	25.368	137.58
428.24	25.369	137.66
428.34	25.37	137.74
428.44	25.372	137.82

428.54	25.373	137.9
428.64	25.374	137.98
428.74	25.375	138.06
428.84	25.376	138.15
428.94	25.377	138.23
429.	25.378	138.28
429.01		
429.02		138.29
429.05	25.379	138.32
429.14	25.38	138.39
429.24	25.381	138.47
429.34	25.382	138.55
429.44	25.383	138.63
429.54	25.384	138.72
429.64	25.385	138.8
429.74	25.386	138.88
429.84	25.388	138.96
429.94	25.389	139.04
430.		139.09
430.01	25.39	139.1
430.02		
430.05		139.13
430.14	25.391	139.2
430.24	25.392	139.28
430.34	25.393	139.36
430.44	25.394	139.44
430.54	25.396	139.53
430.64	25.397	139.61
430.74	25.398	139.69
430.84	25.399	139.77
430.94	25.4	139.85
431.	25.401	139.9
431.01		
431.02		139.91
431.05		139.94
431.14	25.402	140.01
431.24	25.404	140.09
431.34	25.405	140.17
431.44	25.406	140.25
431.54	25.407	140.33
431.64	25.408	140.41
431.74	25.409	140.49
431.84	25.41	140.57
431.94	25.412	140.65
432.		140.7
432.01		140.71
432.02		140.72
432.05	25.413	140.74
432.14	25.414	140.81
432.24	25.415	140.89
432.34	25.416	140.97
432.44	25.417	141.05
432.54	25.418	141.13
432.64	25.419	141.21
432.74	25.421	141.29
432.84	25.422	141.37
432.94	25.423	141.45
433.	25.424	141.5
433.01		141.51
433.02		141.52

433.05		141.54
433.14	25.425	141.61
433.24	25.426	141.69
433.34	25.427	141.77
433.44	25.428	141.85
433.54	25.43	141.93
433.64	25.431	142.01
433.74	25.432	142.09
433.84	25.433	142.17
433.94	25.434	142.25
434.	25.435	142.3
434.01		142.31
434.02		
434.05		142.34
434.14	25.436	142.41
434.24	25.438	142.49
434.34	25.439	142.57
434.44	25.44	142.65
434.54	25.441	142.73
434.64	25.442	142.81
434.74	25.443	142.88
434.84	25.444	142.96
434.94	25.445	143.04
435.	25.446	143.09
435.01		143.1
435.02		143.11
435.05	25.447	143.13
435.14	25.448	143.2
435.24	25.449	143.28
435.34	25.45	143.36
435.44	25.451	143.44
435.54	25.452	143.52
435.64	25.453	143.6
435.74	25.454	143.67
435.84	25.455	143.75
435.94	25.457	143.83
436.		143.88
436.01		143.89
436.02		
436.05	25.458	143.92
436.14	25.459	143.99
436.24	25.46	144.07
436.34	25.461	144.15
436.44	25.462	144.22
436.54	25.463	144.3
436.64	25.464	144.38
436.74	25.466	144.46
436.84	25.467	144.54
436.94	25.468	144.62
437.		144.66
437.01	25.469	144.67
437.02		144.68
437.05		144.7
437.14	25.47	144.77
437.24	25.471	144.85
437.34	25.472	144.93
437.44	25.473	145.01
437.54	25.474	145.08
437.64	25.476	145.16
437.74	25.477	145.24

437.84	25.478	145.32
437.94	25.479	145.4
438.	25.48	145.44
438.01		145.45
438.02		145.46
438.05		145.48
438.14	25.481	145.55
438.24	25.482	145.63
438.34	25.483	145.71
438.44	25.484	145.78
438.54	25.486	145.86
438.64	25.487	145.94
438.74	25.488	146.02
438.84	25.489	146.09
438.94	25.49	146.17
439.	25.491	146.22
439.01		146.23
439.02		
439.05		146.26
439.14	25.492	146.33
439.24	25.493	146.4
439.34	25.494	146.48
439.44	25.495	146.56
439.54	25.497	146.63
439.64	25.498	146.71
439.74	25.499	146.79
439.84	25.5	146.87
439.94	25.501	146.94
440.	25.502	146.99
440.01		147.
440.02		
440.05		147.03
440.14	25.503	147.1
440.24	25.504	147.17
440.34	25.505	147.25
440.44	25.507	147.33
440.54	25.508	147.4
440.64	25.509	147.48
440.74	25.51	147.56
440.84	25.511	147.63
440.94	25.512	147.71
441.	25.513	147.75
441.01		147.76
441.02		147.77
441.05		147.79
441.14	25.514	147.86
441.24	25.515	147.94
441.34	25.516	148.01
441.44	25.517	148.09
441.54	25.519	148.17
441.64	25.52	148.24
441.74	25.521	148.32
441.84	25.522	148.39
441.94	25.523	148.47
442.	25.524	148.52
442.01		
442.02		148.53
442.05		148.55
442.14	25.525	148.62
442.24	25.526	148.7

442.34	25.527	148.77
442.44	25.528	148.85
442.54	25.529	148.92
442.64	25.531	149.
442.74	25.532	149.08
442.84	25.533	149.15
442.94	25.534	149.23
443.		149.27
443.01	25.535	149.28
443.02		149.29
443.05		149.31
443.14	25.536	149.38
443.24	25.537	149.45
443.34	25.538	149.53
443.44	25.539	149.6
443.54	25.54	149.68
443.64	25.541	149.75
443.74	25.542	149.83
443.84	25.544	149.9
443.94	25.545	149.98
444.		150.02
444.01		150.03
444.02	25.546	150.04
444.05		150.06
444.14	25.547	150.13
444.24	25.548	150.2
444.34	25.549	150.28
444.44	25.55	150.35
444.54	25.551	150.43
444.64	25.552	150.5
444.74	25.553	150.58
444.84	25.554	150.65
444.94	25.555	150.73
445.	25.556	150.77
445.01		150.78
445.02		
445.05	25.557	150.81
445.14	25.558	150.87
445.24	25.559	150.95
445.34	25.56	151.02
445.44	25.561	151.1
445.54	25.562	151.17
445.64	25.563	151.25
445.74	25.564	151.32
445.84	25.565	151.39
445.94	25.566	151.47
446.	25.567	151.51
446.01		151.52
446.02		151.53
446.05		151.55
446.14	25.568	151.62
446.24	25.569	151.69
446.34	25.57	151.76
446.44	25.572	151.84
446.54	25.573	151.91
446.64	25.574	151.98
446.74	25.575	152.06
446.84	25.576	152.13
446.94	25.577	152.21
447.		152.25

447.01	25.578	152.26
447.02		
447.05		152.29
447.14	25.579	152.35
447.24	25.58	152.43
447.34	25.581	152.5
447.44	25.582	152.57
447.54	25.583	152.65
447.64	25.584	152.72
447.74	25.585	152.79
447.84	25.586	152.87
447.94	25.587	152.94
448.	25.588	152.98
448.01		152.99
448.02		153.
448.05	25.589	153.02
448.14	25.59	153.08
448.24	25.591	153.16
448.34	25.592	153.23
448.44	25.593	153.3
448.54	25.594	153.38
448.64	25.595	153.45
448.74	25.596	153.52
448.84	25.597	153.59
448.94	25.598	153.67
449.	25.599	153.71
449.01		153.72
449.02		153.73
449.05		153.75
449.14	25.6	153.81
449.24	25.601	153.89
449.34	25.602	153.96
449.44	25.603	154.03
449.54	25.604	154.1
449.64	25.605	154.18
449.74	25.607	154.25
449.84	25.608	154.32
449.94	25.609	154.39
450.		154.44
450.01		
450.02		154.45
450.05	25.61	154.47
450.14	25.611	154.54
450.24	25.612	154.61
450.34	25.613	154.68
450.44	25.614	154.75
450.54	25.615	154.82
450.64	25.616	154.9
450.74	25.617	154.97
450.84	25.618	155.04
450.94	25.619	155.11
451.	25.62	155.16
451.01		
451.02		155.17
451.05		155.19
451.14	25.621	155.26
451.24	25.622	155.33
451.34	25.623	155.4
451.44	25.624	155.47
451.54	25.625	155.54

451.64	25.626	155.61
451.74	25.628	155.68
451.84	25.629	155.76
451.94	25.63	155.83
452.		155.87
452.01		155.88
452.02		
452.05	25.631	155.91
452.14	25.632	155.97
452.24	25.633	156.04
452.34	25.634	156.11
452.44	25.635	156.18
452.54	25.636	156.25
452.64	25.637	156.33
452.74	25.638	156.4
452.84	25.639	156.47
452.94	25.64	156.54
453.	25.641	156.58
453.01		156.59
453.02		
453.05		156.62
453.14	25.642	156.68
453.24	25.643	156.75
453.34	25.644	156.82
453.44	25.645	156.89
453.54	25.646	156.96
453.64	25.647	157.03
453.74	25.648	157.1
453.84	25.649	157.17
453.94	25.65	157.24
454.	25.651	157.29
454.01		
454.02		157.3
454.05		157.32
454.14	25.652	157.38
454.24	25.653	157.45
454.34	25.654	157.52
454.44	25.656	157.59
454.54	25.657	157.67
454.64	25.658	157.74
454.74	25.659	157.81
454.84	25.66	157.88
454.94	25.661	157.94
455.		157.99
455.01		
455.02		158.
455.05	25.662	158.02
455.14	25.663	158.08
455.24	25.664	158.15
455.34	25.665	158.22
455.44	25.666	158.29
455.54	25.667	158.36
455.64	25.668	158.43
455.74	25.669	158.5
455.84	25.67	158.57
455.94	25.671	158.64
456.	25.672	158.68
456.01		158.69
456.02		158.7
456.05		158.72

456.14	25.673	158.78
456.24	25.674	158.85
456.34	25.675	158.92
456.44	25.676	158.99
456.54	25.677	159.06
456.64	25.678	159.13
456.74	25.679	159.19
456.84	25.68	159.26
456.94	25.681	159.33
457.	25.682	159.37
457.01		159.38
457.02		159.39
457.05		159.41
457.14	25.683	159.47
457.24	25.684	159.54
457.34	25.685	159.61
457.44	25.686	159.68
457.54	25.687	159.75
457.64	25.688	159.81
457.74	25.689	159.88
457.84	25.69	159.95
457.94	25.691	160.02
458.	25.692	160.06
458.01		160.07
458.02		
458.05		160.1
458.14	25.693	160.16
458.24	25.694	160.23
458.34	25.695	160.29
458.44	25.696	160.36
458.54	25.697	160.43
458.64	25.698	160.5
458.74	25.699	160.57
458.84	25.7	160.63
458.94	25.701	160.7
459.	25.702	160.74
459.01		160.75
459.02		160.76
459.05	25.703	160.78
459.14		160.84
459.24	25.704	160.91
459.34	25.705	160.97
459.44	25.706	161.04
459.54	25.707	161.11
459.64	25.708	161.18
459.74	25.709	161.25
459.84	25.71	161.31
459.94	25.711	161.38
460.	25.712	161.42
460.01		161.43
460.02		
460.05	25.713	161.45
460.14		161.52
460.24	25.714	161.58
460.34	25.715	161.65
460.44	25.716	161.72
460.54	25.717	161.79
460.64	25.718	161.85
460.74	25.719	161.92
460.84	25.72	161.99

460.94	25.721	162.05
461.	25.722	162.09
461.01		162.1
461.02		162.11
461.05	25.723	162.13
461.14		162.19
461.24	25.724	162.26
461.34	25.725	162.32
461.44	25.726	162.39
461.54	25.727	162.46
461.64	25.728	162.52
461.74	25.729	162.59
461.84	25.73	162.66
461.94	25.731	162.72
462.	25.732	162.76
462.01		162.77
462.02		162.78
462.05	25.733	162.8
462.14		162.86
462.24	25.734	162.92
462.34	25.735	162.99
462.44	25.736	163.06
462.54	25.737	163.12
462.64	25.738	163.19
462.74	25.739	163.26
462.84	25.74	163.32
462.94	25.741	163.39
463.	25.742	163.43
463.01		
463.02		163.44
463.05		163.46
463.14	25.743	163.52
463.24	25.744	163.59
463.34	25.745	163.65
463.44	25.746	163.72
463.54	25.747	163.78
463.64	25.748	163.85
463.74	25.749	163.92
463.84	25.75	163.98
463.94	25.751	164.05
464.	25.752	164.09
464.01		
464.02		164.1
464.05		164.12
464.14	25.753	164.18
464.24	25.754	164.24
464.34	25.755	164.31
464.44	25.756	164.38
464.54	25.757	164.44
464.64	25.758	164.51
464.74	25.759	164.57
464.84	25.76	164.64
464.94	25.761	164.7
465.	25.762	164.74
465.01		164.75
465.02		164.76
465.05		164.77
465.14	25.763	164.83
465.24	25.764	164.9
465.34	25.765	164.96

465.44	25.766	165.03
465.54	25.767	165.09
465.64	25.768	165.16
465.74	25.769	165.22
465.84	25.77	165.29
465.94	25.771	165.35
466.		165.39
466.01	25.772	165.4
466.02		165.41
466.05		165.43
466.14	25.773	165.48
466.24	25.774	165.55
466.34	25.775	165.61
466.44	25.776	165.68
466.54	25.777	165.74
466.64	25.778	165.81
466.74	25.779	165.87
466.84	25.78	165.94
466.94	25.781	166.
467.		166.04
467.01		166.05
467.02		
467.05	25.782	166.07
467.14	25.783	166.13
467.24	25.784	166.19
467.34	25.785	166.26
467.44		166.32
467.54	25.786	166.39
467.64	25.787	166.45
467.74	25.788	166.51
467.84	25.789	166.58
467.94	25.79	166.64
468.	25.791	166.68
468.01		166.69
468.02		
468.05		166.71
468.14	25.792	166.77
468.24	25.793	166.83
468.34	25.794	166.9
468.44	25.795	166.96
468.54	25.796	167.03
468.64	25.797	167.09
468.74	25.798	167.15
468.84	25.799	167.22
468.94	25.8	167.28
469.	25.801	167.32
469.01		
469.02		167.33
469.05		167.35
469.14	25.802	167.41
469.24	25.803	167.47
469.34	25.804	167.53
469.44	25.805	167.6
469.54	25.806	167.66
469.64	25.807	167.72
469.74	25.808	167.79
469.84	25.809	167.85
469.94	25.81	167.91
470.		167.95
470.01		167.96

470.02		
470.05	25.811	167.98
470.14	25.812	168.04
470.24		168.1
470.34	25.813	168.17
470.44	25.814	168.23
470.54	25.815	168.29
470.64	25.816	168.35
470.74	25.817	168.42
470.84	25.818	168.48
470.94	25.819	168.54
471.	25.82	168.58
471.01		168.59
471.02		
471.05		168.61
471.14	25.821	168.67
471.24	25.822	168.73
471.34	25.823	168.79
471.44	25.824	168.86
471.54	25.825	168.92
471.64	25.826	168.98
471.74	25.827	169.04
471.84	25.828	169.11
471.94	25.829	169.17
472.		169.2
472.01		169.21
472.02		169.22
472.05	25.83	169.24
472.14	25.831	169.29
472.24	25.832	169.35
472.34		169.42
472.44	25.833	169.48
472.54	25.834	169.54
472.64	25.835	169.6
472.74	25.836	169.66
472.84	25.837	169.73
472.94	25.838	169.79
473.	25.839	169.82
473.01		169.83
473.02		169.84
473.05		169.86
473.14	25.84	169.91
473.24	25.841	169.97
473.34	25.842	170.03
473.44	25.843	170.1
473.54	25.844	170.16
473.64	25.845	170.22
473.74	25.846	170.28
473.84	25.847	170.34
473.94	25.848	170.4
474.		170.44
474.01		170.45
474.02		
474.05	25.849	170.47
474.14		170.53
474.24	25.85	170.59
474.34	25.851	170.65
474.44	25.852	170.71
474.54	25.853	170.77
474.64	25.854	170.83

474.74	25.855	170.89
474.84	25.856	170.95
474.94	25.857	171.02
475.	25.858	171.05
475.01		171.06
475.02		
475.05		171.08
475.14	25.859	171.14
475.24	25.86	171.2
475.34	25.861	171.26
475.44	25.862	171.32
475.54	25.863	171.38
475.64	25.864	171.44
475.74		171.5
475.84	25.865	171.56
475.94	25.866	171.62
476.	25.867	171.66
476.01		
476.02		171.67
476.05		171.69
476.14	25.868	171.74
476.24	25.869	171.8
476.34	25.87	171.86
476.44	25.871	171.92
476.54	25.872	171.98
476.64	25.873	172.04
476.74	25.874	172.11
476.84	25.875	172.17
476.94	25.876	172.23
477.		172.26
477.01		172.27
477.02		
477.05	25.877	172.29
477.14		172.35
477.24	25.878	172.41
477.34	25.879	172.47
477.44	25.88	172.53
477.54	25.881	172.58
477.64	25.882	172.64
477.74	25.883	172.7
477.84	25.884	172.76
477.94	25.885	172.82
478.		172.86
478.01	25.886	172.87
478.02		
478.05		172.89
478.14	25.887	172.94
478.24	25.888	173.
478.34	25.889	173.06
478.44		173.12
478.54	25.89	173.18
478.64	25.891	173.24
478.74	25.892	173.3
478.84	25.893	173.36
478.94	25.894	173.42
479.	25.895	173.45
479.01		173.46
479.02		173.47
479.05		173.48
479.14	25.896	173.54

479.24	25.897	173.6
479.34	25.898	173.65
479.44	25.899	173.71
479.54	25.9	173.77
479.64	25.901	173.83
479.74		173.89
479.84	25.902	173.95
479.94	25.903	174.01
480.	25.904	174.04
480.01		174.05
480.02		
480.05		174.07
480.14	25.905	174.13
480.24	25.906	174.18
480.34	25.907	174.24
480.44	25.908	174.3
480.54	25.909	174.36
480.64	25.91	174.42
480.74	25.911	174.48
480.84		174.54
480.94	25.912	174.59
481.	25.913	174.63
481.01		
481.02		174.64
481.05		174.66
481.14	25.914	174.71
481.24	25.915	174.77
481.34	25.916	174.83
481.44	25.917	174.88
481.54	25.918	174.94
481.64	25.919	175.
481.74	25.92	175.06
481.84	25.921	175.12
481.94		175.18
482.	25.922	175.21
482.01		175.22
482.02		
482.05		175.24
482.14	25.923	175.29
482.24	25.924	175.35
482.34	25.925	175.41
482.44	25.926	175.46
482.54	25.927	175.52
482.64	25.928	175.58
482.74	25.929	175.64
482.84	25.93	175.7
482.94		175.75
483.	25.931	175.79
483.01		
483.02		175.8
483.05		175.82
483.14	25.932	175.87
483.24	25.933	175.93
483.34	25.934	175.98
483.44	25.935	176.04
483.54	25.936	176.1
483.64	25.937	176.15
483.74	25.938	176.21
483.84	25.939	176.27
483.94		176.33

484.	25.94	176.36
484.01		176.37
484.02		
484.05		176.39
484.14	25.941	176.44
484.24	25.942	176.5
484.34	25.943	176.55
484.44	25.944	176.61
484.54	25.945	176.67
484.64	25.946	176.72
484.74	25.947	176.78
484.84	25.948	176.84
484.94		176.89
485.	25.949	176.93
485.01		
485.02		176.94
485.05		176.96
485.14	25.95	177.01
485.24	25.951	177.06
485.34	25.952	177.12
485.44	25.953	177.18
485.54	25.954	177.23
485.64	25.955	177.29
485.74	25.956	177.35
485.84		177.4
485.94	25.957	177.46
486.	25.958	177.49
486.01		177.5
486.02		
486.05		177.52
486.14	25.959	177.57
486.24	25.96	177.63
486.34	25.961	177.68
486.44	25.962	177.74
486.54	25.963	177.8
486.64	25.964	177.85
486.74		177.91
486.84	25.965	177.96
486.94	25.966	178.02
487.	25.967	178.05
487.01		178.06
487.02		178.07
487.05		178.08
487.14	25.968	178.13
487.24	25.969	178.19
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487.44	25.971	178.3
487.54	25.972	178.35
487.64		178.41
487.74	25.973	178.47
487.84	25.974	178.52
487.94	25.975	178.58
488.	25.976	178.61
488.01		178.62
488.02		
488.05		178.64
488.14	25.977	178.69
488.24	25.978	178.74
488.34	25.979	178.8
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488.64	25.981	178.96
488.74	25.982	179.02
488.84	25.983	179.07
488.94	25.984	179.13
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489.01		179.17
489.02	25.985	
489.05		179.19
489.14	25.986	179.24
489.24		179.29
489.34	25.987	179.35
489.44	25.988	179.4
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489.64	25.99	179.51
489.74	25.991	179.57
489.84	25.992	179.62
489.94	25.993	179.68
490.		179.71
490.01		179.72
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490.05	25.994	179.74
490.14		179.79
490.24	25.995	179.84
490.34	25.996	179.9
490.44	25.997	179.95
490.54	25.998	180.
490.64	25.999	180.06
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490.84		180.17
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491.44	26.006	180.49
491.54		180.55
491.64	26.007	180.6
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491.84	26.009	180.71
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492.		180.79
492.01	26.011	180.8
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492.14	26.012	180.87
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492.64	26.016	181.14
492.74	26.017	181.19
492.84	26.018	181.24
492.94	26.019	181.3
493.		181.33
493.01		
493.02		181.34

493.05	26.02	181.36
493.14		181.4
493.24	26.021	181.46
493.34	26.022	181.51
493.44	26.023	181.56
493.54	26.024	181.62
493.64	26.025	181.67
493.74		181.72
493.84	26.026	181.78
493.94	26.027	181.83
494.	26.028	181.86
494.01		181.87
494.02		
494.05		181.89
494.14	26.029	181.93
494.24	26.03	181.99
494.34	26.031	182.04
494.44		182.09
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494.64	26.033	182.2
494.74	26.034	182.25
494.84	26.035	182.3
494.94	26.036	182.36
495.		182.39
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495.02		182.4
495.05	26.037	182.41
495.14		182.46
495.24	26.038	182.51
495.34	26.039	182.57
495.44	26.04	182.62
495.54	26.041	182.67
495.64	26.042	182.72
495.74	26.043	182.78
495.84		182.83
495.94	26.044	182.88
496.	26.045	182.91
496.01		182.92
496.02		
496.05		182.94
496.14	26.046	182.98
496.24	26.047	183.04
496.34	26.048	183.09
496.44		183.14
496.54	26.049	183.19
496.64	26.05	183.24
496.74	26.051	183.3
496.84	26.052	183.35
496.94	26.053	183.4
497.		183.43
497.01		183.44
497.02		
497.05	26.054	183.46
497.14		183.5
497.24	26.055	183.56
497.34	26.056	183.61
497.44	26.057	183.66
497.54	26.058	183.71
497.64	26.059	183.76
497.74		183.81

497.84	26.06	183.86
497.94	26.061	183.92
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498.05		183.97
498.14	26.063	184.02
498.24	26.064	184.07
498.34		184.12
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498.64	26.067	184.27
498.74	26.068	184.33
498.84	26.069	184.38
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499.	26.07	184.46
499.01		
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499.05		184.48
499.14	26.071	184.53
499.24	26.072	184.58
499.34	26.073	184.63
499.44	26.074	184.68
499.54		184.73
499.64	26.075	184.78
499.74	26.076	184.83
499.84	26.077	184.89
499.94	26.078	184.94
500.		184.97
500.01		
500.02		184.98
500.05	26.079	184.99
500.14		185.04
500.24	26.08	185.09
500.34	26.081	185.14
500.44	26.082	185.19
500.54	26.083	185.24
500.64	26.084	185.29
500.74		185.34
500.84	26.085	185.39
500.94	26.086	185.44
501.	26.087	185.47
501.01		
501.02		185.48
501.05		185.5
501.14	26.088	185.54
501.24	26.089	185.59
501.34		185.64
501.44	26.09	185.69
501.54	26.091	185.74
501.64	26.092	185.79
501.74	26.093	185.84
501.84	26.094	185.89
501.94		185.94
502.	26.095	185.97
502.01		
502.02		185.98
502.05		185.99
502.14	26.096	186.04
502.24	26.097	186.09

502.34	26.098	186.14
502.44		186.19
502.54	26.099	186.24
502.64	26.1	186.29
502.74	26.101	186.34
502.84	26.102	186.39
502.94	26.103	186.44
503.		186.47
503.01		
503.02		186.48
503.05	26.104	186.49
503.14		186.53
503.24	26.105	186.58
503.34	26.106	186.63
503.44	26.107	186.68
503.54	26.108	186.73
503.64		186.78
503.74	26.109	186.83
503.84	26.11	186.88
503.94	26.111	186.93
504.		186.96
504.01		
504.02		186.97
504.05	26.112	186.98
504.14		187.03
504.24	26.113	187.08
504.34	26.114	187.12
504.44	26.115	187.17
504.54	26.116	187.22
504.64		187.27
504.74	26.117	187.32
504.84	26.118	187.37
504.94	26.119	187.42
505.		187.45
505.01	26.12	
505.02		187.46
505.05		187.47
505.14	26.121	187.51
505.24		187.56
505.34	26.122	187.61
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505.54	26.124	187.71
505.64	26.125	187.76
505.74		187.8
505.84	26.126	187.85
505.94	26.127	187.9
506.	26.128	187.93
506.01		
506.02		187.94
506.05		187.95
506.14	26.129	188.
506.24		188.05
506.34	26.13	188.09
506.44	26.131	188.14
506.54	26.132	188.19
506.64	26.133	188.24
506.74	26.134	188.29
506.84		188.33
506.94	26.135	188.38
507.		188.41

507.01	26.136	188.42
507.02		
507.05		188.43
507.14	26.137	188.48
507.24	26.138	188.53
507.34		188.57
507.44	26.139	188.62
507.54	26.14	188.67
507.64	26.141	188.72
507.74	26.142	188.76
507.84		188.81
507.94	26.143	188.86
508.	26.144	188.89
508.01		
508.02		188.9
508.05		188.91
508.14	26.145	188.95
508.24	26.146	189.
508.34		189.05
508.44	26.147	189.1
508.54	26.148	189.14
508.64	26.149	189.19
508.74	26.15	189.24
508.84		189.28
508.94	26.151	189.33
509.	26.152	189.36
509.01		
509.02		189.37
509.05		189.38
509.14	26.153	189.43
509.24	26.154	189.47
509.34		189.52
509.44	26.155	189.57
509.54	26.156	189.61
509.64	26.157	189.66
509.74	26.158	189.71
509.84		189.75
509.94	26.159	189.8
510.	26.16	189.83
510.01		
510.02		189.84
510.05		189.85
510.14	26.161	189.89
510.24		189.94
510.34	26.162	189.99
510.44	26.163	190.03
510.54	26.164	190.08
510.64	26.165	190.13
510.74		190.17
510.84	26.166	190.22
510.94	26.167	190.27
511.	26.168	190.29
511.01		190.3
511.02		
511.05		190.32
511.14	26.169	190.36
511.24		190.41
511.34	26.17	190.45
511.44	26.171	190.5
511.54	26.172	190.54

511.64	26.173	190.59
511.74		190.64
511.84	26.174	190.68
511.94	26.175	190.73
512.		190.76
512.01		
512.02	26.176	190.77
512.05		190.78
512.14	26.177	190.82
512.24		190.87
512.34	26.178	190.91
512.44	26.179	190.96
512.54	26.18	191.
512.64		191.05
512.74	26.181	191.1
512.84	26.182	191.14
512.94	26.183	191.19
513.		191.21
513.01		191.22
513.02		
513.05	26.184	191.24
513.14		191.28
513.24	26.185	191.32
513.34	26.186	191.37
513.44	26.187	191.42
513.54		191.46
513.64	26.188	191.51
513.74	26.189	191.55
513.84	26.19	191.6
513.94	26.191	191.64
514.		191.67
514.01		
514.02		191.68
514.05		191.69
514.14	26.192	191.73
514.24	26.193	191.78
514.34	26.194	191.82
514.44		191.87
514.54	26.195	191.91
514.64	26.196	191.96
514.74	26.197	192.
514.84	26.198	192.05
514.94		192.09
515.	26.199	192.12
515.01		
515.02		192.13
515.05		192.14
515.14	26.2	192.18
515.24	26.201	192.23
515.34		192.27
515.44	26.202	192.32
515.54	26.203	192.36
515.64	26.204	192.41
515.74	26.205	192.45
515.84		192.5
515.94	26.206	192.54
516.	26.207	192.57
516.01		
516.02		192.58
516.05		192.59

516.14	26.208	192.63
516.24		192.67
516.34	26.209	192.72
516.44	26.21	192.76
516.54	26.211	192.81
516.64	26.212	192.85
516.74		192.9
516.84	26.213	192.94
516.94	26.214	192.98
517.		193.01
517.01		
517.02		193.02
517.05	26.215	193.03
517.14		193.07
517.24	26.216	193.12
517.34	26.217	193.16
517.44	26.218	193.2
517.54		193.25
517.64	26.219	193.29
517.74	26.22	193.34
517.84	26.221	193.38
517.94		193.42
518.	26.222	193.45
518.01		
518.02		193.46
518.05		193.47
518.14	26.223	193.51
518.24	26.224	193.56
518.34	26.225	193.6
518.44		193.64
518.54	26.226	193.69
518.64	26.227	193.73
518.74	26.228	193.77
518.84		193.82
518.94	26.229	193.86
519.	26.23	193.89
519.01		
519.02		
519.05		193.91
519.14	26.231	193.95
519.24		193.99
519.34	26.232	194.03
519.44	26.233	194.08
519.54	26.234	194.12
519.64		194.16
519.74	26.235	194.21
519.84	26.236	194.25
519.94	26.237	194.29
520.		194.32
520.01		
520.02		194.33
520.05	26.238	194.34
520.14		194.38
520.24	26.239	194.42
520.34	26.24	194.46
520.44	26.241	194.51
520.54		194.55
520.64	26.242	194.59
520.74	26.243	194.64
520.84	26.244	194.68

520.94		194.72
521.	26.245	194.75
521.01		
521.02		194.76
521.05		194.77
521.14	26.246	194.81
521.24	26.247	194.85
521.34		194.89
521.44	26.248	194.94
521.54	26.249	194.98
521.64	26.25	195.02
521.74		195.06
521.84	26.251	195.1
521.94	26.252	195.15
522.		195.17
522.01		195.18
522.02		
522.05	26.253	195.19
522.14		195.23
522.24	26.254	195.27
522.34	26.255	195.32
522.44	26.256	195.36
522.54		195.4
522.64	26.257	195.44
522.74	26.258	195.49
522.84	26.259	195.53
522.94		195.57
523.	26.26	195.59
523.01		195.6
523.02		
523.05		195.62
523.14	26.261	195.65
523.24	26.262	195.69
523.34		195.74
523.44	26.263	195.78
523.54	26.264	195.82
523.64	26.265	195.86
523.74		195.9
523.84	26.266	195.95
523.94	26.267	195.99
524.		196.01
524.01		196.02
524.02		
524.05	26.268	196.03
524.14		196.07
524.24	26.269	196.11
524.34	26.27	196.15
524.44		196.2
524.54	26.271	196.24
524.64	26.272	196.28
524.74	26.273	196.32
524.84		196.36
524.94	26.274	196.4
525.	26.275	196.43
525.01		
525.02		
525.05		196.45
525.14	26.276	196.48
525.24		196.53
525.34	26.277	196.57

525.44	26.278	196.61
525.54	26.279	196.65
525.64		196.69
525.74	26.28	196.73
525.84	26.281	196.77
525.94	26.282	196.81
526.		196.84
526.01		
526.02		196.85
526.05		196.86
526.14	26.283	196.89
526.24	26.284	196.94
526.34	26.285	196.98
526.44		197.02
526.54	26.286	197.06
526.64	26.287	197.1
526.74		197.14
526.84	26.288	197.18
526.94	26.289	197.22
527.		197.24
527.01		197.25
527.02	26.29	
527.05		197.27
527.14		197.3
527.24	26.291	197.34
527.34	26.292	197.38
527.44	26.293	197.42
527.54		197.46
527.64	26.294	197.5
527.74	26.295	197.54
527.84	26.296	197.58
527.94		197.62
528.	26.297	197.65
528.01		
528.02		197.66
528.05		197.67
528.14	26.298	197.71
528.24		197.75
528.34	26.299	197.79
528.44	26.3	197.83
528.54	26.301	197.87
528.64		197.91
528.74	26.302	197.95
528.84	26.303	197.99
528.94	26.304	198.03
529.		198.05
529.01		
529.02		198.06
529.05		198.07
529.14	26.305	198.11
529.24	26.306	198.14
529.34		198.18
529.44	26.307	198.22
529.54	26.308	198.26
529.64	26.309	198.3
529.74		198.34
529.84	26.31	198.38
529.94	26.311	198.42
530.		198.45
530.01		

530.02		
530.05	26.312	198.47
530.14		198.5
530.24	26.313	198.54
530.34	26.314	198.58
530.44		198.62
530.54	26.315	198.66
530.64	26.316	198.7
530.74	26.317	198.74
530.84		198.78
530.94	26.318	198.82
531.		198.84
531.01	26.319	
531.02		198.85
531.05		198.86
531.14		198.89
531.24	26.32	198.93
531.34	26.321	198.97
531.44	26.322	199.01
531.54		199.05
531.64	26.323	199.09
531.74	26.324	199.13
531.84		199.17
531.94	26.325	199.21
532.	26.326	199.23
532.01		
532.02		199.24
532.05		199.25
532.14	26.327	199.28
532.24		199.32
532.34	26.328	199.36
532.44	26.329	199.4
532.54	26.33	199.44
532.64		199.48
532.74	26.331	199.52
532.84	26.332	199.55
532.94		199.59
533.	26.333	199.62
533.01		
533.02		
533.05		199.64
533.14	26.334	199.67
533.24		199.71
533.34	26.335	199.75
533.44	26.336	199.79
533.54	26.337	199.82
533.64		199.86
533.74	26.338	199.9
533.84	26.339	199.94
533.94		199.98
534.	26.34	200.
534.01		
534.02		200.01
534.05		200.02
534.14	26.341	200.05
534.24	26.342	200.09
534.34		200.13
534.44	26.343	200.17
534.54	26.344	200.21
534.64		200.24

534.74	26.345	200.28
534.84	26.346	200.32
534.94	26.347	200.36
535.		200.38
535.01		
535.02		200.39
535.05		200.4
535.14	26.348	200.43
535.24	26.349	200.47
535.34		200.51
535.44	26.35	200.55
535.54	26.351	200.58
535.64	26.352	200.62
535.74		200.66
535.84	26.353	200.7
535.94	26.354	200.73
536.		200.76
536.01		
536.02		
536.05		200.78
536.14	26.355	200.81
536.24	26.356	200.85
536.34		200.88
536.44	26.357	200.92
536.54	26.358	200.96
536.64	26.359	201.
536.74		201.03
536.84	26.36	201.07
536.94	26.361	201.11
537.		201.13
537.01		
537.02		201.14
537.05		201.15
537.14	26.362	201.18
537.24	26.363	201.22
537.34		201.26
537.44	26.364	201.29
537.54	26.365	201.33
537.64	26.366	201.37
537.74		201.4
537.84	26.367	201.44
537.94	26.368	201.48
538.		201.5
538.01		
538.02		201.51
538.05		201.52
538.14	26.369	201.55
538.24	26.37	201.59
538.34		201.63
538.44	26.371	201.66
538.54	26.372	201.7
538.64	26.373	201.74
538.74		201.77
538.84	26.374	201.81
538.94	26.375	201.84
539.		201.87
539.01		
539.02		
539.05		201.89
539.14	26.376	201.92

539.24	26.377	201.95
539.34		201.99
539.44	26.378	202.03
539.54	26.379	202.06
539.64		202.1
539.74	26.38	202.14
539.84	26.381	202.17
539.94	26.382	202.21
540.		202.23
540.01		
540.02		202.24
540.05		202.25
540.14	26.383	202.28
540.24	26.384	202.32
540.34		202.35
540.44	26.385	202.39
540.54	26.386	202.43
540.64		202.46
540.74	26.387	202.5
540.84	26.388	202.53
540.94		202.57
541.	26.389	202.59
541.01		
541.02		202.6
541.05		202.61
541.14	26.39	202.64
541.24		202.68
541.34	26.391	202.71
541.44	26.392	202.75
541.54	26.393	202.78
541.64		202.82
541.74	26.394	202.86
541.84	26.395	202.89
541.94		202.93
542.	26.396	202.95
542.01		
542.02		202.96
542.05		202.97
542.14	26.397	203.
542.24		203.03
542.34	26.398	203.07
542.44	26.399	203.1
542.54		203.14
542.64	26.4	203.17
542.74	26.401	203.21
542.84		203.25
542.94	26.402	203.28
543.	26.403	203.3
543.01		203.31
543.02		
543.05		203.32
543.14		203.35
543.24	26.404	203.39
543.34	26.405	203.42
543.44	26.406	203.46
543.54		203.49
543.64	26.407	203.53
543.74	26.408	203.56
543.84		203.6
543.94		203.63

544.	26.409	203.65
544.01		203.66
544.02		
544.05	26.41	203.67
544.14		203.7
544.24	26.411	203.74
544.34	26.412	203.77
544.44		203.81
544.54	26.413	203.84
544.64	26.414	203.88
544.74		203.91
544.84	26.415	203.94
544.94	26.416	203.98
545.		204.
545.01		
545.02		204.01
545.05		204.02
545.14	26.417	204.05
545.24	26.418	204.08
545.34		204.12
545.44	26.419	204.15
545.54	26.42	204.19
545.64		204.22
545.74	26.421	204.26
545.84	26.422	204.29
545.94		204.32
546.	26.423	204.34
546.01		204.35
546.02		
546.05		204.36
546.14	26.424	204.39
546.24		204.43
546.34	26.425	204.46
546.44	26.426	204.49
546.54		204.53
546.64	26.427	204.56
546.74	26.428	204.6
546.84		204.63
546.94	26.429	204.67
547.	26.43	204.69
547.01		
547.02		
547.05		204.7
547.14		204.73
547.24	26.431	204.77
547.34	26.432	204.8
547.44		204.83
547.54	26.433	204.87
547.64	26.434	204.9
547.74		204.94
547.84	26.435	204.97
547.94	26.436	205.
548.		205.02
548.01		205.03
548.02		
548.05	26.437	205.04
548.14		205.07
548.24	26.438	205.1
548.34		205.14
548.44	26.439	205.17

548.54	26.44	205.2
548.64		205.24
548.74	26.441	205.27
548.84	26.442	205.31
548.94		205.34
549.	26.443	205.36
549.01		
549.02		205.37
549.05		205.38
549.14	26.444	205.41
549.24		205.44
549.34	26.445	205.47
549.44	26.446	205.5
549.54		205.54
549.64	26.447	205.57
549.74	26.448	205.6
549.84		205.64
549.94	26.449	205.67
550.		205.69
550.01	26.45	
550.02		205.7
550.05		205.71
550.14		205.74
550.24	26.451	205.77
550.34	26.452	205.8
550.44		205.84
550.54	26.453	205.87
550.64	26.454	205.9
550.74		205.93
550.84	26.455	205.97
550.94	26.456	206.
551.		206.02
551.01		
551.02		206.03
551.05		206.04
551.14	26.457	206.06
551.24	26.458	206.1
551.34		206.13
551.44	26.459	206.16
551.54	26.46	206.2
551.64		206.23
551.74	26.461	206.26
551.84	26.462	206.29
551.94		206.33
552.	26.463	206.34
552.01		206.35
552.02		
552.05		206.36
552.14	26.464	206.39
552.24		206.42
552.34	26.465	206.45
552.44	26.466	206.49
552.54		206.52
552.64	26.467	206.55
552.74		206.58
552.84	26.468	206.62
552.94	26.469	206.65
553.		206.67
553.01		
553.02		

553.05		206.68
553.14	26.47	206.71
553.24	26.471	206.74
553.34		206.78
553.44	26.472	206.81
553.54	26.473	206.84
553.64		206.87
553.74	26.474	206.9
553.84	26.475	206.94
553.94		206.97
554.	26.476	206.99
554.01		
554.02		
554.05		207.
554.14	26.477	207.03
554.24		207.06
554.34	26.478	207.1
554.44	26.479	207.13
554.54		207.16
554.64	26.48	207.19
554.74		207.22
554.84	26.481	207.25
554.94	26.482	207.29
555.		207.3
555.01		207.31
555.02		
555.05		207.32
555.14	26.483	207.35
555.24	26.484	207.38
555.34		207.41
555.44	26.485	207.44
555.54	26.486	207.47
555.64		207.51
555.74	26.487	207.54
555.84	26.488	207.57
555.94		207.6
556.	26.489	207.62
556.01		
556.02		
556.05		207.63
556.14		207.66
556.24	26.49	207.69
556.34	26.491	207.72
556.44		207.75
556.54	26.492	207.79
556.64	26.493	207.82
556.74		207.85
556.84	26.494	207.88
556.94	26.495	207.91
557.		207.93
557.01		
557.02		
557.05		207.94
557.14	26.496	207.97
557.24	26.497	208.
557.34		208.03
557.44	26.498	208.06
557.54		208.1
557.64	26.499	208.13
557.74	26.5	208.16

557.84		208.19
557.94	26.501	208.22
558.		208.24
558.01		
558.02	26.502	
558.05		208.25
558.14		208.28
558.24	26.503	208.31
558.34	26.504	208.34
558.44		208.37
558.54	26.505	208.4
558.64		208.43
558.74	26.506	208.46
558.84	26.507	208.49
558.94		208.52
559.	26.508	208.54
559.01		
559.02		208.55
559.05		208.56
559.14	26.509	208.58
559.24		208.61
559.34	26.51	208.64
559.44	26.511	208.67
559.54		208.71
559.64	26.512	208.74
559.74		208.77
559.84	26.513	208.8
559.94	26.514	208.83
560.		208.84
560.4	26.517	208.96
560.8	26.519	209.08
562.	26.527	209.44
565.6	26.549	210.48
569.6	26.574	211.6
573.6	26.598	212.68
577.6	26.621	213.71
581.6	26.645	214.71
585.6	26.668	215.66
589.6	26.69	216.58
593.6	26.713	217.46
597.6	26.734	218.3
600.	26.747	218.79
606.	26.779	219.96
612.	26.811	221.05
630.	26.901	223.93
684.	27.126	227.59
738.	27.314	228.36
798.	27.49	226.81
858.	27.639	223.63
918.	27.765	219.39
978.	27.873	214.5
1038.	27.967	209.21
1098.	28.049	203.72
1158.	28.12	198.17
1200.	28.165	194.28
1212.	28.178	193.21
1224.	28.19	192.14
1260.	28.224	188.82
1296.	28.255	185.54
1404.	28.343	176.19

1512.	28.415	167.36
1632.	28.481	158.2
1752.	28.535	149.68
1872.	28.581	141.77
1992.	28.619	134.41
2112.	28.652	127.56
2232.	28.68	121.18
2352.	28.704	115.23
2400.	28.711	112.91
2412.	28.713	112.34
2424.	28.715	111.78
2460.	28.722	110.19
2568.	28.739	105.44
2676.	28.753	100.97
2796.	28.766	96.328
2916.	28.778	91.982
3036.	28.787	87.91
3156.	28.795	84.091
3276.	28.8	80.507
3396.	28.805	77.14
3516.	28.807	73.976
3600.	28.808	71.853
3612.		71.555
3624.		71.259
3660.	28.809	70.411
3768.		67.902
3876.	28.808	65.527
3996.	28.806	63.042
4116.	28.803	60.701
4236.	28.798	58.494
4356.	28.793	56.414
4476.	28.787	54.45
4596.	28.78	52.596
4716.	28.772	50.846
4800.	28.766	49.668
4812.	28.765	49.502
4824.		49.338
4860.	28.762	48.864
4968.	28.754	47.465
5076.	28.745	46.387
5196.	28.734	45.7
5316.	28.723	45.042
5436.	28.712	44.411
5556.	28.7	43.812
5676.	28.687	43.251
5796.	28.674	42.712
5916.	28.66	42.193
6000.	28.651	41.839
6012.	28.649	41.789
6024.	28.648	41.739
6060.	28.644	41.593
6168.	28.631	41.172
6276.	28.618	40.769
6396.	28.603	40.337
6516.	28.588	39.92
6636.	28.572	39.516
6756.	28.556	39.13
6876.	28.54	38.767
6996.	28.523	38.416
7116.	28.506	38.08

7200.	28.494	37.851

FIGURE 16
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature 4

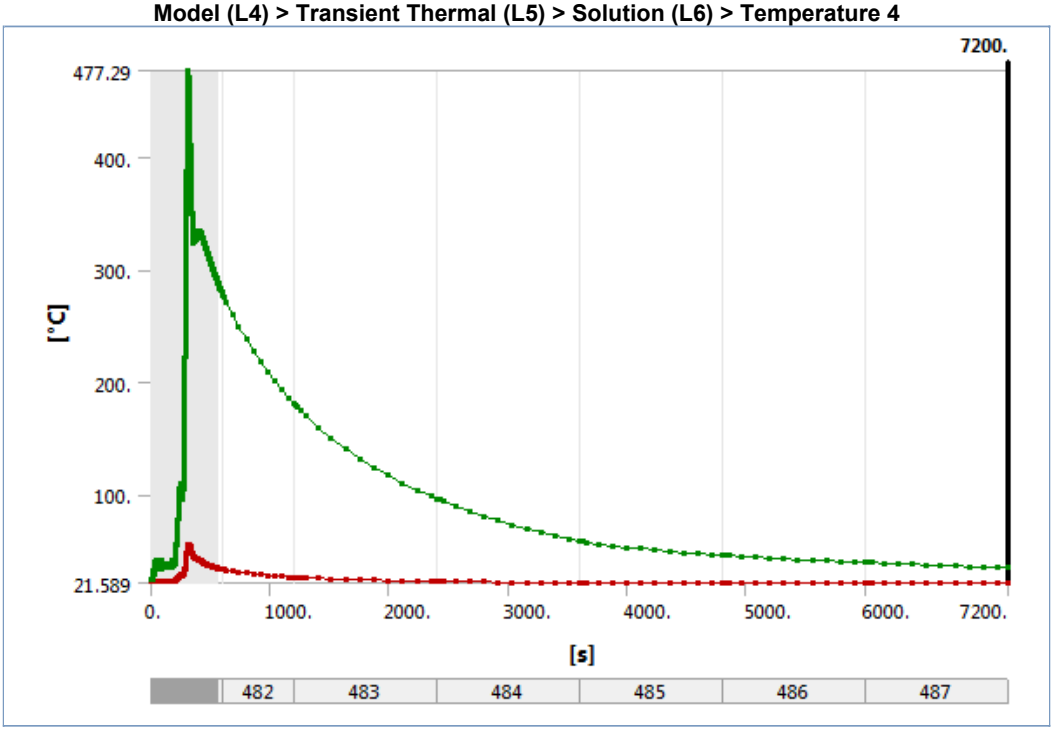

TABLE 27
Model (L4) > Transient Thermal (L5) > Solution (L6) > Temperature 4

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.995	23.985
4.e-002	22.747	24.027
0.1	22.575	24.039
0.28	22.478	24.032
0.48	22.446	
0.68	22.432	24.037
0.88	22.423	24.039
1.08	22.418	24.04
1.28	22.413	
1.48	22.41	
1.68	22.408	24.039
1.88	22.406	24.038
2.	22.405	
2.02		
2.04		24.037
2.1		
2.28	22.404	24.036
2.48	22.403	24.035
2.68	22.402	24.033
2.88	22.401	24.032
3.08		24.03
3.28		24.028
3.48	22.4	24.027
3.68		24.025
3.88		24.024
4.		24.023
4.02		24.022
4.04		
4.1		

4.28	22.399	24.02
4.48		24.019
4.68		24.017
4.88		24.015
5.08		24.014
5.28	22.398	24.012
5.48		24.01
5.68		24.009
5.88		24.007
6.		24.006
6.02		
6.04		
6.1		24.005
6.28		
6.48	22.397	24.004
6.68		
6.88		
7.08		
7.28		
7.48		
7.68	22.396	
7.88		
8.		
8.02		
8.04		
8.1		
8.28		24.003
8.48		
8.68	22.395	
8.88		
9.08		
9.28		24.002
9.48	22.394	
9.68		
9.88		
10.		24.001
10.02		
10.04		
10.1		
10.28	22.393	
10.48		
10.68		
10.88		24.
11.08	22.392	
11.28		
11.48		23.999
11.68	22.391	
11.88		
12.		23.998
12.02		
12.04		
12.1		
12.28	22.39	
12.48		23.997
12.68		
12.88	22.389	
13.08		23.996
13.28		
13.48	22.388	23.995
13.68		

13.88	22.387	23.994
14.		
14.02		
14.04		
14.1		
14.22		
14.33		24.077
14.441		24.242
14.641	22.389	24.623
14.841	22.392	25.077
15.041	22.397	25.607
15.241	22.403	26.191
15.441	22.412	26.825
15.641	22.423	27.504
15.841	22.437	28.226
16.	22.45	28.827
16.02	22.452	28.9
16.04	22.453	28.971
16.1	22.458	29.169
16.28	22.476	29.682
16.48	22.497	30.185
16.68	22.52	30.641
16.88	22.545	31.061
17.08	22.571	31.452
17.28	22.597	31.819
17.48	22.624	32.165
17.68	22.651	32.493
17.88	22.679	32.806
18.	22.695	32.988
18.02	22.698	33.016
18.04	22.7	33.041
18.1	22.709	33.098
18.28	22.733	33.152
18.48	22.758	33.105
18.68	22.783	32.97
18.88	22.805	32.762
19.08	22.826	32.487
19.28	22.844	32.153
19.48	22.859	31.765
19.68	22.871	31.326
19.87	22.881	30.867
20.	22.886	30.534
20.02		30.487
20.04	22.887	30.444
20.1	22.889	30.345
20.28	22.893	30.213
20.48	22.895	30.209
20.68	22.896	30.313
20.88		30.503
21.08	22.897	30.767
21.28		31.095
21.48	22.899	31.479
21.68	22.902	31.915
21.88	22.907	32.397
22.	22.91	32.703
22.02		32.75
22.04	22.911	32.793
22.1	22.913	32.895
22.28	22.92	33.052
22.48	22.929	33.095

22.68	22.938	33.04
22.88	22.947	32.905
23.08	22.955	32.701
23.28	22.963	32.438
23.48	22.969	32.122
23.68	22.974	31.757
23.861	22.977	31.39
24.	22.978	31.089
24.02		31.047
24.04		31.007
24.1		30.899
24.28	22.977	30.636
24.48	22.974	30.391
24.68	22.97	30.179
24.88	22.964	29.992
25.08	22.957	29.823
25.28	22.95	29.671
25.48	22.941	29.53
25.68	22.933	29.401
25.88	22.924	29.281
26.	22.918	29.212
26.02	22.917	29.202
26.04	22.916	29.194
26.1	22.913	29.184
26.224	22.908	29.204
26.424	22.899	29.316
26.615	22.891	29.48
26.805	22.884	29.693
27.005	22.878	29.963
27.205	22.874	30.276
27.405	22.871	30.627
27.605	22.869	31.012
27.805	22.87	31.431
28.	22.873	31.868
28.02		31.911
28.04		31.953
28.1	22.875	32.068
28.28	22.879	32.359
28.48	22.886	32.638
28.68	22.894	32.886
28.88	22.904	33.11
29.08	22.914	33.316
29.28	22.925	33.507
29.48	22.937	33.684
29.68	22.948	33.851
29.88	22.961	34.008
30.	22.968	34.099
30.02	22.969	34.116
30.04	22.97	34.134
30.1	22.974	34.2
30.28	22.985	34.464
30.48	22.998	34.816
30.68	23.012	35.214
30.88	23.027	35.651
31.08	23.042	36.121
31.28	23.059	36.622
31.48	23.076	37.15
31.68	23.096	37.703
31.88	23.116	38.281
32.	23.129	38.635

32.02	23.131	38.691
32.04	23.134	38.744
32.1	23.14	38.881
32.28	23.161	39.168
32.48	23.185	39.377
32.68	23.209	39.503
32.88	23.232	39.56
33.08	23.255	39.557
33.28	23.277	39.503
33.48	23.298	39.402
33.68	23.317	39.259
33.88	23.335	39.077
34.	23.344	38.954
34.02	23.346	38.934
34.04	23.347	38.913
34.1	23.352	38.847
34.28	23.364	38.627
34.48	23.375	38.355
34.68	23.384	38.055
34.88	23.391	37.73
35.08	23.396	37.379
35.28	23.398	37.005
35.48	23.399	36.608
35.68	23.397	36.188
35.88	23.393	35.747
36.	23.389	35.475
36.02		35.432
36.04	23.388	35.393
36.1	23.386	35.296
36.28	23.38	35.126
36.48	23.371	35.042
36.68	23.361	35.039
36.88	23.352	35.102
37.08	23.343	35.221
37.28	23.334	35.39
37.48	23.326	35.603
37.68	23.32	35.856
37.88	23.315	36.146
38.	23.312	36.332
38.02		36.362
38.04		36.39
38.1	23.311	36.468
38.28	23.309	36.663
38.48	23.308	36.849
38.68	23.309	37.016
38.88	23.311	37.169
39.08	23.314	37.311
39.28	23.318	37.445
39.48	23.322	37.573
39.68	23.327	37.695
39.88	23.332	37.814
40.	23.336	37.884
40.02		37.897
40.04	23.337	37.911
40.1	23.339	37.965
40.28	23.344	38.19
40.48	23.351	38.496
40.68	23.359	38.846
40.88	23.368	39.234
41.08	23.378	39.656

41.28	23.39	40.108
41.48	23.402	40.587
41.68	23.416	41.092
41.88	23.432	41.621
42.	23.442	41.947
42.02	23.444	41.996
42.04	23.446	42.041
42.1	23.451	42.144
42.28	23.467	42.264
42.48	23.486	42.231
42.68	23.504	42.067
42.88	23.521	41.794
43.08	23.536	41.428
43.28	23.55	40.979
43.48	23.561	40.455
43.68	23.569	39.863
43.872	23.573	39.234
44.	23.575	38.792
44.02		38.726
44.04		38.662
44.1	23.576	38.488
44.28	23.574	38.06
44.48	23.569	37.659
44.68	23.562	37.308
44.88	23.553	36.996
45.08	23.542	36.714
45.28	23.53	36.457
45.48	23.517	36.219
45.68	23.503	35.998
45.88	23.489	35.792
46.	23.48	35.673
46.02	23.479	35.655
46.04	23.477	35.639
46.1	23.473	35.604
46.28	23.459	35.583
46.48	23.445	35.636
46.68	23.432	35.751
46.88	23.419	35.92
47.08	23.408	36.135
47.28	23.398	36.393
47.48	23.391	36.69
47.68	23.385	37.023
47.88	23.381	37.389
48.	23.379	37.62
48.02		37.655
48.04		37.687
48.1	23.378	37.762
48.28		37.862
48.48	23.379	37.867
48.68	23.381	37.79
48.88	23.383	37.648
49.08	23.385	37.45
49.28	23.386	37.203
49.48	23.387	36.912
49.68	23.386	36.582
49.88	23.384	36.216
50.	23.383	35.985
50.02	23.382	35.949
50.04		35.917
50.1	23.381	35.843

50.28	23.377	35.745
50.48	23.372	35.744
50.68	23.367	35.826
50.88	23.361	35.975
51.08	23.356	36.181
51.28	23.352	36.437
51.48	23.349	36.737
51.68	23.347	37.078
51.88		37.456
52.	23.348	37.696
52.02		37.732
52.04		37.766
52.1	23.349	37.843
52.28	23.352	37.949
52.48	23.356	37.957
52.68	23.36	37.882
52.88	23.365	37.74
53.08	23.369	37.54
53.28	23.373	37.29
53.48	23.376	36.995
53.68	23.377	36.66
53.877		36.294
54.	23.376	36.051
54.02		36.015
54.04		35.983
54.1		35.907
54.28	23.373	35.809
54.48	23.369	35.817
54.68	23.365	35.92
54.88	23.361	36.084
55.08	23.357	36.298
55.28	23.354	36.555
55.48	23.352	36.852
55.68		37.198
55.88	23.353	37.588
56.	23.354	37.836
56.02	23.355	37.875
56.04		37.914
56.1	23.356	38.018
56.28	23.36	38.281
56.48	23.366	38.533
56.68	23.373	38.757
56.88	23.381	38.96
57.08	23.39	39.147
57.28	23.4	39.321
57.48	23.411	39.484
57.68	23.422	39.638
57.88	23.433	39.785
58.	23.44	39.87
58.02	23.441	39.884
58.04	23.442	39.898
58.1	23.445	39.94
58.28	23.456	40.06
58.48	23.467	40.189
58.68	23.479	40.312
58.88	23.49	40.432
59.08	23.502	40.547
59.28	23.513	40.66
59.48	23.524	40.769
59.68	23.535	40.875

59.88	23.546	40.979
60.	23.553	41.04
60.02	23.554	41.048
60.04	23.555	41.055
60.1	23.558	41.061
60.28	23.567	41.
60.48	23.577	40.858
60.68	23.585	40.657
60.88	23.593	40.406
61.08	23.599	40.111
61.28	23.603	39.776
61.48	23.606	39.405
61.68		39.
61.88	23.605	38.563
62.	23.604	38.29
62.02	23.603	38.246
62.04		38.204
62.1	23.602	38.087
62.28	23.597	37.793
62.48	23.591	37.51
62.68	23.583	37.259
62.88	23.573	37.057
63.08	23.563	36.881
63.28	23.552	36.719
63.48	23.541	36.567
63.68	23.529	36.424
63.88	23.517	36.288
64.	23.51	36.21
64.02	23.509	36.199
64.04	23.507	36.19
64.1	23.504	36.175
64.28	23.493	36.213
64.48	23.482	36.325
64.68	23.471	36.495
64.88	23.462	36.711
65.08	23.454	36.968
65.28	23.448	37.262
65.48	23.444	37.59
65.68	23.441	37.949
65.88		38.338
66.		38.581
66.02		38.618
66.04	23.442	38.652
66.1		38.73
66.28	23.445	38.835
66.48	23.45	38.844
66.68	23.455	38.779
66.88	23.46	38.653
67.08	23.466	38.466
67.28	23.47	38.229
67.48	23.474	37.96
67.68	23.476	37.655
67.864	23.477	37.346
68.		37.103
68.02		37.069
68.04		37.036
68.1		36.948
68.28	23.475	36.736
68.48	23.471	36.539
68.68	23.467	36.367

68.88	23.461	36.213
69.08	23.454	36.073
69.28	23.446	35.943
69.48	23.438	35.822
69.68	23.43	35.708
69.88	23.421	35.6
70.	23.416	35.537
70.02	23.415	35.526
70.04	23.414	35.516
70.1	23.411	35.485
70.28	23.403	35.397
70.48	23.394	35.303
70.68	23.385	35.213
70.88	23.376	35.126
71.08	23.367	35.042
71.28	23.358	34.96
71.48	23.35	34.882
71.68	23.341	34.806
71.88	23.333	34.732
72.	23.328	34.688
72.02		34.681
72.04	23.327	34.673
72.1	23.324	34.652
72.28	23.317	34.589
72.48	23.309	34.521
72.68	23.302	34.454
72.88	23.294	34.389
73.08	23.287	34.326
73.28	23.28	34.264
73.48	23.273	34.203
73.68	23.267	34.144
73.88	23.26	34.086
74.	23.256	34.051
74.02		34.047
74.04	23.255	34.046
74.1	23.253	34.054
74.22	23.249	34.112
74.42	23.244	34.286
74.603	23.24	34.496
74.787	23.237	34.748
74.987	23.234	35.067
75.187		35.423
75.387	23.235	35.814
75.587	23.238	36.237
75.787	23.243	36.69
75.893	23.247	36.94
76.	23.251	37.197
76.02	23.252	37.244
76.04		37.289
76.1	23.255	37.413
76.28	23.264	37.725
76.48	23.276	38.026
76.68	23.29	38.297
76.88	23.304	38.546
77.08	23.32	38.777
77.28	23.336	38.995
77.48	23.353	39.202
77.68	23.371	39.408
77.88	23.388	39.621
78.	23.399	39.746

78.02	23.4	39.767
78.04	23.402	39.787
78.1	23.408	39.848
78.28	23.423	40.024
78.48	23.441	40.212
78.68	23.459	40.394
78.88	23.476	40.57
79.08	23.493	40.741
79.28	23.51	40.906
79.48	23.527	41.068
79.68	23.543	41.225
79.88	23.56	41.378
80.	23.569	41.469
80.02	23.571	41.482
80.04	23.572	41.493
80.1	23.577	41.511
80.28	23.591	41.476
80.48	23.605	41.355
80.68	23.619	41.169
80.88	23.631	40.926
81.08	23.641	40.633
81.28	23.649	40.296
81.48	23.656	39.918
81.68	23.66	39.502
81.88		39.051
82.		38.768
82.02	23.662	38.722
82.04		38.679
82.1		38.558
82.28	23.66	38.286
82.48	23.655	38.044
82.68	23.649	37.832
82.88	23.642	37.643
83.08	23.634	37.471
83.28	23.624	37.313
83.48	23.615	37.166
83.68	23.604	37.028
83.88	23.593	36.899
84.	23.587	36.824
84.02	23.586	36.812
84.04	23.585	36.799
84.1	23.581	36.763
84.28	23.572	36.659
84.48	23.56	36.549
84.68	23.549	36.444
84.88	23.538	36.344
85.08	23.528	36.248
85.28	23.517	36.155
85.48	23.506	36.066
85.68	23.496	35.981
85.88	23.486	35.898
86.	23.48	35.849
86.02	23.479	35.841
86.04	23.478	35.833
86.1	23.475	35.809
86.28	23.466	35.74
86.48	23.457	35.665
86.68	23.448	35.592
86.88	23.439	35.521
87.08	23.43	35.452

87.28	23.421	35.386
87.48	23.413	35.32
87.68	23.405	35.257
87.88	23.397	35.195
88.	23.392	35.158
88.02	23.391	35.152
88.04		35.146
88.1	23.388	35.128
88.28	23.382	35.074
88.48	23.374	35.016
88.68	23.367	34.96
88.88	23.36	34.904
89.08	23.353	34.85
89.28	23.347	34.796
89.48	23.34	34.744
89.68	23.334	34.692
89.88	23.328	34.642
90.	23.324	34.612
90.02	23.323	34.607
90.04		34.602
90.1	23.321	34.587
90.28	23.316	34.543
90.48	23.31	34.495
90.68	23.305	34.447
90.88	23.299	34.429
91.08	23.294	34.424
91.28	23.289	34.42
91.48	23.284	34.415
91.68	23.279	34.41
91.88	23.274	34.405
92.	23.271	34.402
92.02		
92.04	23.27	34.401
92.1	23.269	34.4
92.22	23.266	34.422
92.42	23.263	34.479
92.602	23.26	34.697
92.784	23.259	34.987
92.984	23.258	35.353
93.184	23.259	35.761
93.384	23.263	36.206
93.584	23.268	36.686
93.784	23.276	37.198
93.892	23.28	37.484
94.	23.286	37.778
94.02	23.287	37.829
94.04	23.288	37.875
94.1	23.291	37.987
94.28	23.302	38.167
94.48	23.316	38.239
94.68	23.33	38.216
94.88	23.345	38.118
95.08	23.359	37.956
95.28	23.372	37.739
95.48	23.384	37.474
95.68	23.394	37.164
95.834	23.401	36.901
95.917	23.404	36.752
96.	23.407	36.596
96.02		36.561

96.04	23.408	36.527
96.1	23.41	36.437
96.28	23.413	36.228
96.48	23.416	36.04
96.68		35.881
96.88	23.415	35.741
97.08	23.413	35.617
97.28	23.41	35.504
97.48	23.406	35.4
97.68	23.401	35.304
97.88	23.396	35.214
98.	23.393	35.163
98.02		35.154
98.04	23.392	35.145
98.1	23.39	35.12
98.28	23.385	35.049
98.48	23.38	34.973
98.68	23.374	34.956
98.88	23.368	34.95
99.08	23.362	34.945
99.28	23.356	34.94
99.48	23.35	34.935
99.68	23.344	34.93
99.88	23.338	34.925
100.	23.335	34.922
100.02	23.334	34.921
100.04		
100.1	23.332	34.919
100.28	23.327	34.915
100.48	23.321	34.91
100.68	23.316	34.906
100.88	23.311	34.901
101.08	23.306	34.896
101.28	23.3	34.892
101.48	23.296	34.887
101.68	23.291	34.882
101.88	23.286	34.878
102.	23.283	34.875
102.02		
102.04	23.282	34.874
102.09	23.281	34.873
102.2	23.279	34.892
102.4	23.275	34.951
102.57	23.273	35.012
102.74	23.271	35.083
102.94		35.241
103.14	23.272	35.673
103.34	23.275	36.146
103.54	23.281	36.656
103.74	23.288	37.202
103.87	23.294	37.574
104.	23.302	37.96
104.02	23.303	38.014
104.04	23.304	38.065
104.1	23.308	38.186
104.28	23.32	38.384
104.48	23.335	38.467
104.68	23.35	38.449
104.88	23.366	38.35
105.08	23.382	38.183

105.28	23.396	37.958
105.48	23.409	37.681
105.68	23.42	37.356
105.83	23.427	37.08
105.92	23.431	36.923
106.	23.434	36.759
106.02		36.722
106.04	23.435	36.686
106.1	23.437	36.592
106.28	23.441	36.374
106.48	23.444	36.179
106.68	23.445	36.015
106.88	23.444	35.872
107.08	23.442	35.745
107.28	23.439	35.63
107.48	23.435	35.525
107.68	23.43	35.513
107.88	23.425	35.507
108.	23.422	35.503
108.02	23.421	
108.04		35.502
108.1	23.419	35.5
108.28	23.414	35.495
108.48	23.408	35.49
108.68	23.402	35.485
108.88	23.395	35.479
109.08	23.389	35.474
109.28	23.383	35.469
109.48	23.377	35.464
109.68	23.371	35.459
109.88	23.365	35.455
110.	23.361	35.452
110.02		35.451
110.04	23.36	
110.1	23.358	35.449
110.28	23.353	35.445
110.48	23.348	35.44
110.68	23.342	35.436
110.88	23.337	35.431
111.08	23.331	35.427
111.28	23.326	35.422
111.48	23.321	35.418
111.68	23.316	35.413
111.88	23.311	35.409
112.	23.308	35.406
112.02		
112.04	23.307	35.405
112.1	23.306	35.404
112.28	23.302	35.4
112.48	23.297	35.396
112.68	23.293	35.392
112.88	23.288	35.388
113.08	23.284	35.383
113.28	23.28	35.379
113.48	23.276	35.375
113.68	23.272	35.371
113.88	23.268	35.367
114.	23.266	35.365
114.02		35.364
114.04	23.265	

114.08	23.264	35.363
114.16	23.263	35.372
114.33	23.26	35.417
114.47	23.259	35.463
114.61	23.257	35.516
114.81		35.603
115.01		35.702
115.21	23.26	35.811
115.41	23.265	36.157
115.61	23.272	36.687
115.81	23.281	37.252
116.	23.292	37.818
116.02	23.293	37.873
116.04	23.294	37.924
116.1	23.298	38.047
116.28	23.311	38.25
116.48	23.327	38.339
116.68	23.343	38.325
116.88	23.359	38.231
117.08	23.375	38.07
117.28	23.39	37.849
117.48	23.403	37.576
117.68	23.415	37.256
117.83	23.423	36.986
117.92	23.426	36.83
118.	23.43	36.666
118.02	23.431	36.629
118.04		36.594
118.1	23.433	36.501
118.28	23.438	36.287
118.48	23.441	36.096
118.68	23.442	36.054
118.88		36.042
119.08	23.44	36.032
119.28	23.437	36.023
119.48	23.434	36.016
119.68	23.43	36.01
119.88	23.425	36.004
120.	23.422	36.001
120.02	23.421	36.
120.04		
120.1	23.419	35.998
120.28	23.415	35.993
120.48	23.409	35.988
120.68	23.403	35.983
120.88	23.397	35.979
121.08	23.392	35.974
121.28	23.386	35.969
121.48	23.38	35.965
121.68	23.374	35.96
121.88	23.369	35.956
122.	23.365	35.954
122.02		35.953
122.04	23.364	
122.1	23.363	35.951
122.28	23.358	35.948
122.48	23.352	35.944
122.68	23.347	35.94
122.88	23.342	35.936
123.08	23.337	35.932

123.28	23.332	35.928
123.48	23.328	35.924
123.68	23.323	35.92
123.88	23.319	35.916
124.	23.316	35.914
124.02	23.315	
124.04		35.913
124.1	23.314	35.912
124.28	23.31	35.909
124.48	23.306	35.905
124.68	23.302	35.902
124.88	23.298	35.898
125.08	23.294	35.894
125.28	23.29	35.891
125.48	23.286	35.887
125.68	23.283	35.884
125.88	23.279	35.88
126.	23.277	35.878
126.02		
126.04	23.276	
126.1	23.275	35.877
126.28	23.272	35.874
126.48	23.269	35.87
126.68	23.266	35.867
126.88	23.263	35.864
127.08	23.26	35.861
127.28	23.257	35.857
127.48	23.254	35.854
127.68	23.251	35.851
127.88	23.248	35.848
128.	23.246	35.846
128.02		
128.04		35.845
128.1	23.245	35.844
128.28	23.243	35.841
128.48	23.24	35.838
128.68	23.238	35.835
128.88	23.235	35.832
129.08	23.233	35.829
129.28	23.23	35.826
129.48	23.228	35.823
129.68	23.226	35.82
129.88	23.223	35.817
130.	23.222	35.816
130.02		35.815
130.04		
130.1	23.221	35.814
130.28	23.219	35.811
130.48	23.217	35.809
130.68	23.215	35.806
130.88	23.213	35.803
131.08	23.211	35.8
131.28	23.209	35.797
131.48	23.207	35.794
131.68	23.205	35.792
131.88	23.203	35.789
132.	23.202	35.787
132.02		
132.04		
132.1	23.201	35.786

132.28	23.2	35.783
132.48	23.198	35.781
132.68	23.196	35.778
132.88	23.195	35.775
133.08	23.193	35.773
133.28	23.191	35.77
133.48	23.19	35.767
133.68	23.188	35.765
133.88	23.187	35.762
134.	23.186	35.761
134.02		35.76
134.04		
134.1	23.185	35.759
134.28	23.184	35.757
134.48	23.182	35.754
134.68	23.181	35.752
134.88	23.179	35.749
135.08	23.178	35.747
135.28	23.177	35.744
135.48	23.175	35.742
135.68	23.174	35.739
135.88	23.173	35.737
136.	23.172	35.735
136.02		
136.04		
136.1	23.171	35.734
136.28	23.17	35.732
136.48	23.169	35.729
136.68	23.168	35.727
136.88	23.167	35.724
137.08	23.165	35.722
137.28	23.164	35.72
137.48	23.163	35.717
137.68	23.162	35.715
137.88	23.161	35.712
138.	23.16	35.711
138.02		
138.04		35.71
138.1		
138.28	23.159	35.708
138.48	23.158	35.705
138.68	23.156	35.703
138.88	23.155	35.7
139.08	23.154	35.698
139.28	23.153	35.695
139.48	23.152	35.693
139.68	23.151	35.69
139.88	23.15	35.688
140.	23.149	35.686
140.02		
140.04		35.685
140.1		
140.28	23.148	35.682
140.48	23.147	35.68
140.68	23.146	35.677
140.88	23.145	35.674
141.08	23.144	35.672
141.28	23.143	35.669
141.48	23.142	35.666
141.68	23.141	35.664

141.88	23.14	35.661
142.	23.139	35.659
142.02		
142.04		
142.1	23.138	35.658
142.28		35.656
142.48	23.137	35.653
142.68	23.136	35.65
142.88	23.135	35.648
143.08	23.134	35.645
143.28	23.133	35.643
143.48	23.132	35.64
143.68	23.131	35.638
143.88	23.13	35.636
144.		35.634
144.02	23.129	
144.04		
144.1		35.633
144.28	23.128	35.631
144.48		35.629
144.68	23.127	35.627
144.88	23.126	35.625
145.08	23.125	35.623
145.28		35.621
145.48	23.124	35.618
145.68	23.123	35.616
145.88	23.122	35.614
146.		35.613
146.02		
146.04		
146.1		35.612
146.28	23.121	35.61
146.48	23.12	35.608
146.68	23.119	35.606
146.88		35.603
147.08	23.118	35.601
147.28	23.117	35.599
147.48		35.597
147.68	23.116	35.594
147.88	23.115	35.592
148.		35.59
148.02		
148.04	23.114	
148.1		35.589
148.28		35.587
148.48	23.113	35.585
148.68	23.112	35.582
148.88	23.111	35.58
149.08		35.577
149.28	23.11	35.575
149.48	23.109	35.572
149.68	23.108	35.57
149.88	23.107	35.567
150.		35.566
150.02		
150.04		35.565
150.1		
150.28	23.106	35.562
150.48	23.105	35.56
150.68	23.104	35.557

150.88		35.555
151.08	23.103	35.552
151.28	23.102	35.55
151.48	23.101	35.547
151.68		35.545
151.88	23.1	35.542
152.	23.099	35.541
152.02		
152.04		35.54
152.1		
152.28	23.098	35.537
152.48		35.535
152.68	23.097	35.532
152.88	23.096	35.53
153.08	23.095	35.527
153.28		35.525
153.48	23.094	35.522
153.68	23.093	35.52
153.88	23.092	35.517
154.		35.516
154.02		35.515
154.04		
154.1		35.514
154.28	23.091	35.512
154.48	23.09	35.51
154.68		35.507
154.88	23.089	35.505
155.08	23.088	35.502
155.28	23.087	35.499
155.48		35.497
155.68	23.086	35.494
155.88	23.085	35.492
156.		35.49
156.02		
156.04		
156.1		35.489
156.28	23.084	35.487
156.48	23.083	35.484
156.68		35.482
156.88	23.082	35.479
157.08		35.511
157.18		35.576
157.27		35.662
157.37	23.083	35.764
157.55	23.087	36.013
157.75	23.095	36.325
157.88	23.102	36.533
158.	23.111	37.019
158.02	23.112	37.171
158.04	23.114	37.309
158.1	23.119	37.622
158.28	23.136	37.988
158.48	23.159	37.908
158.68	23.182	37.457
158.82	23.199	36.974
158.92	23.21	36.568
159.02	23.221	36.405
159.12	23.231	36.344
159.27	23.245	36.284
159.46	23.26	36.23

159.66	23.272	36.191
159.86	23.282	36.163
160.	23.287	36.147
160.01		36.146
160.02	23.288	36.145
160.05	23.289	36.143
160.14	23.291	36.135
160.24	23.293	36.128
160.34	23.295	36.123
160.44	23.296	36.118
160.54	23.297	36.113
160.64	23.298	36.109
160.74		36.106
160.84	23.297	36.103
160.94		36.101
161.	23.296	36.099
161.01		
161.02		
161.05		36.098
161.14	23.295	36.096
161.24	23.294	36.094
161.34	23.293	36.092
161.44	23.291	36.09
161.54	23.289	36.088
161.64	23.288	36.086
161.74	23.286	36.084
161.84	23.284	36.082
161.94	23.282	36.08
162.	23.281	36.078
162.01		
162.02	23.28	
162.05		36.077
162.14	23.278	36.076
162.24	23.276	36.073
162.34	23.273	36.071
162.44	23.271	36.069
162.54	23.269	36.067
162.64	23.267	36.065
162.74	23.265	36.063
162.84	23.262	36.061
162.94	23.26	36.059
163.	23.259	36.058
163.01	23.258	
163.02		
163.05		36.057
163.14	23.256	36.055
163.24	23.253	36.053
163.34	23.251	36.051
163.44	23.249	36.049
163.54	23.247	36.047
163.64	23.244	36.045
163.74	23.242	36.043
163.84	23.24	36.041
163.94	23.238	36.039
164.	23.237	36.038
164.01	23.236	
164.02		
164.05		36.037
164.14	23.234	36.035
164.24	23.232	36.033

164.34	23.23	36.031
164.44	23.227	36.029
164.54	23.225	36.027
164.64	23.223	36.026
164.74	23.221	36.024
164.84	23.219	36.022
164.94	23.218	36.02
165.	23.216	36.019
165.01		36.018
165.02		
165.05	23.215	
165.14	23.214	36.016
165.24	23.212	36.014
165.34	23.21	36.012
165.44	23.208	36.01
165.54	23.206	36.008
165.64	23.205	36.007
165.74	23.203	36.005
165.84	23.201	36.003
165.94	23.199	36.001
166.	23.198	36.
166.01		
166.02		35.999
166.05	23.197	
166.14	23.196	35.997
166.24	23.194	35.995
166.34	23.193	35.994
166.44	23.191	35.992
166.54	23.189	35.99
166.64	23.188	35.988
166.74	23.186	35.986
166.84	23.185	35.984
166.94	23.183	35.983
167.	23.182	35.982
167.01		35.981
167.02		
167.05	23.181	
167.14	23.18	35.979
167.24	23.179	35.977
167.34	23.177	35.975
167.44	23.176	35.974
167.54	23.174	35.972
167.64	23.173	35.97
167.74	23.172	35.968
167.84	23.17	35.967
167.94	23.169	35.965
168.	23.168	35.964
168.01		
168.02		35.963
168.05	23.167	
168.14	23.166	35.961
168.24	23.165	35.96
168.34	23.164	35.958
168.44	23.162	35.956
168.54	23.161	35.954
168.64	23.16	35.953
168.74	23.159	35.951
168.84	23.157	35.949
168.94	23.156	35.947
169.		

169.01	23.155	35.946
169.02		
169.03		
169.06		35.945
169.11	23.154	35.969
169.2	23.153	36.054
169.3		36.16
169.4		36.284
169.5	23.154	36.422
169.6	23.156	36.574
169.7	23.159	36.738
169.8	23.163	36.914
169.9	23.168	37.233
170.	23.174	38.108
170.01	23.175	38.194
170.02		38.276
170.05	23.177	38.49
170.14	23.185	38.914
170.24	23.194	39.184
170.34	23.204	39.295
170.44	23.216	39.275
170.54	23.227	39.144
170.64	23.24	38.914
170.74	23.252	38.596
170.84	23.265	38.198
170.94	23.277	37.738
171.	23.284	37.42
171.01	23.285	37.371
171.02	23.286	37.323
171.05	23.29	37.192
171.14	23.3	36.876
171.24	23.31	36.821
171.34	23.32	36.784
171.44	23.328	36.753
171.54	23.336	36.727
171.64	23.342	36.706
171.74	23.348	36.689
171.84	23.353	36.674
171.94	23.357	36.662
172.	23.359	36.656
172.01		36.655
172.02	23.36	36.654
172.05	23.361	36.651
172.14	23.363	36.643
172.24	23.365	36.636
172.34	23.366	36.63
172.44	23.367	36.625
172.54	23.368	36.62
172.64	23.367	36.616
172.74		36.613
172.84	23.366	36.61
172.94	23.365	36.607
173.		36.605
173.01	23.364	
173.02		
173.05		36.604
173.14	23.362	36.601
173.24	23.361	36.599
173.34	23.359	36.596
173.44	23.357	36.594

173.54	23.355	36.592
173.64	23.352	36.589
173.74	23.35	36.587
173.84	23.347	36.584
173.94	23.345	36.582
174.	23.343	36.581
174.01		36.58
174.02		
174.05	23.342	36.579
174.14	23.34	36.577
174.24	23.337	36.575
174.34	23.334	36.573
174.44	23.332	36.57
174.54	23.329	36.568
174.64	23.326	36.565
174.74	23.323	36.563
174.84	23.321	36.561
174.94	23.318	36.559
175.	23.316	36.557
175.01		
175.02		
175.03	23.315	36.556
175.06		
175.12	23.313	36.591
175.17	23.312	36.636
175.25	23.31	36.716
175.35	23.308	36.832
175.45	23.307	36.963
175.55		37.109
175.65	23.308	37.268
175.75	23.31	37.454
175.85	23.312	38.273
175.95	23.317	39.145
176.	23.319	39.554
176.01	23.32	39.64
176.02		39.721
176.05	23.322	39.931
176.14	23.328	40.345
176.24	23.336	40.603
176.34	23.345	40.702
176.44	23.354	40.669
176.54	23.365	40.525
176.64	23.376	40.282
176.74	23.387	39.951
176.84	23.398	39.54
176.94	23.409	39.066
177.	23.415	38.741
177.01	23.416	38.69
177.02	23.417	38.641
177.05	23.42	38.506
177.14	23.429	38.179
177.24	23.438	37.88
177.34	23.446	37.627
177.44	23.454	37.408
177.54	23.46	37.329
177.64	23.466	37.307
177.74	23.47	37.289
177.84	23.474	37.274
177.94	23.477	37.261
178.	23.478	37.254

178.01		37.253
178.02	23.479	37.252
178.05		37.249
178.14	23.481	37.241
178.24		37.234
178.34	23.482	37.227
178.44	23.481	37.221
178.54		37.216
178.64	23.48	37.211
178.74	23.478	37.207
178.84	23.476	37.203
178.94	23.474	37.2
179.	23.473	37.198
179.01		
179.02	23.472	
179.05		37.197
179.14	23.47	37.194
179.24	23.467	37.191
179.34	23.464	37.188
179.44	23.461	37.185
179.54	23.458	37.182
179.64	23.455	37.179
179.74	23.451	37.176
179.84	23.448	37.173
179.94	23.445	37.17
180.	23.442	37.169
180.01		37.168
180.02		
180.04	23.441	
180.07	23.44	37.177
180.14	23.438	37.224
180.21	23.436	37.281
180.27	23.434	37.347
180.37	23.432	37.465
180.47	23.43	37.598
180.57	23.429	37.745
180.67		38.103
180.77	23.43	38.859
180.87	23.432	39.674
180.94	23.434	40.22
181.	23.436	40.788
181.01	23.437	40.872
181.02		40.952
181.05	23.439	41.159
181.14	23.444	41.562
181.24	23.451	41.809
181.34	23.458	41.897
181.44	23.467	41.854
181.54	23.477	41.7
181.64	23.487	41.448
181.74	23.497	41.108
181.84	23.507	40.689
181.94	23.517	40.205
182.	23.523	39.877
182.01	23.524	39.825
182.02	23.525	39.775
182.05	23.527	39.638
182.14	23.535	39.304
182.24	23.543	38.997
182.34	23.551	38.736

182.44	23.557	38.509
182.54	23.563	38.307
182.64	23.567	38.127
182.74	23.571	37.963
182.84	23.574	37.872
182.94	23.576	37.859
183.	23.577	37.852
183.01		37.851
183.02		37.85
183.05		37.847
183.14	23.578	37.838
183.24		37.83
183.34	23.577	37.824
183.44	23.576	37.817
183.54	23.575	37.811
183.64	23.573	37.806
183.74	23.571	37.801
183.84	23.568	37.797
183.94	23.565	37.793
184.	23.564	37.791
184.01	23.563	
184.02		37.79
184.05	23.562	37.789
184.14	23.559	37.786
184.24	23.556	37.783
184.34	23.552	37.779
184.44	23.549	37.776
184.54	23.545	37.772
184.64	23.541	37.769
184.74	23.537	37.766
184.84	23.533	37.763
184.94	23.529	37.759
185.	23.526	37.757
185.01		
185.02		
185.05	23.524	37.756
185.14	23.521	37.753
185.24	23.516	37.75
185.34	23.512	37.747
185.44	23.508	37.744
185.54	23.504	37.741
185.64	23.5	37.738
185.74	23.496	37.734
185.84	23.492	37.731
185.94	23.488	37.728
186.	23.485	37.727
186.01		37.726
186.02	23.484	
186.05	23.483	37.725
186.14	23.479	37.722
186.24	23.475	37.719
186.34	23.472	37.716
186.44	23.468	37.713
186.54	23.464	37.711
186.64	23.46	37.708
186.74	23.456	37.705
186.84	23.452	37.702
186.94	23.449	37.699
187.	23.446	37.697
187.01		

187.02		
187.05	23.444	37.696
187.14	23.441	37.693
187.24	23.438	37.69
187.34	23.434	37.687
187.44	23.431	37.685
187.54	23.427	37.682
187.64	23.424	37.679
187.74	23.42	37.676
187.84	23.417	37.674
187.94	23.414	37.671
188.	23.412	37.669
188.01	23.411	
188.02		
188.03	23.41	37.668
188.06		37.667
188.12	23.408	37.707
188.19	23.406	37.756
188.27	23.404	37.845
188.37	23.402	37.963
188.47	23.401	38.097
188.57	23.4	38.245
188.67	23.401	38.406
188.77	23.402	38.834
188.87	23.405	39.662
188.94	23.407	40.206
189.	23.41	40.772
189.01	23.411	40.857
189.02		40.938
189.05	23.413	41.148
189.14	23.419	41.561
189.24	23.426	41.817
189.34	23.435	41.915
189.44	23.444	41.881
189.54	23.454	41.735
189.64	23.465	41.491
189.74	23.476	41.158
189.84	23.487	40.746
189.94	23.497	40.274
190.	23.503	39.945
190.01	23.504	39.894
190.02	23.505	39.845
190.05	23.508	39.71
190.14	23.517	39.381
190.24	23.526	39.08
190.34	23.534	38.825
190.44	23.541	38.604
190.54	23.547	38.427
190.64	23.552	38.405
190.74	23.557	38.387
190.84	23.56	38.371
190.94	23.563	38.358
191.	23.564	38.352
191.01	23.565	38.351
191.02		38.349
191.05		38.346
191.14	23.566	38.338
191.24	23.567	38.331
191.34		38.324
191.44		38.318

191.54	23.566	38.312
191.64	23.565	38.307
191.74	23.563	38.303
191.84	23.561	38.299
191.94	23.559	38.295
192.	23.557	38.293
192.01		
192.02		38.292
192.05	23.556	38.291
192.14	23.554	38.288
192.24	23.551	38.285
192.34	23.548	38.281
192.44	23.545	38.278
192.54	23.541	38.275
192.64	23.538	38.272
192.74	23.535	38.268
192.84	23.531	38.265
192.94	23.528	38.262
193.	23.525	38.26
193.01		
193.02		
193.05	23.524	38.259
193.14	23.52	38.256
193.24	23.517	38.253
193.34	23.513	38.25
193.44	23.509	38.247
193.54	23.506	38.244
193.64	23.502	38.241
193.74	23.498	38.238
193.84	23.495	38.235
193.94	23.491	38.232
194.	23.489	38.23
194.01	23.488	
194.02		
194.05	23.487	38.229
194.14	23.484	38.226
194.24	23.48	38.223
194.34	23.477	38.22
194.44	23.473	38.217
194.54	23.47	38.214
194.64	23.466	38.212
194.74	23.463	38.209
194.84	23.459	38.206
194.94	23.456	38.203
195.	23.454	38.201
195.01		
195.02	23.453	
195.05	23.452	38.2
195.14	23.45	38.197
195.24	23.446	38.195
195.34	23.443	38.192
195.44	23.44	38.189
195.54	23.437	38.186
195.64	23.434	38.184
195.74	23.431	38.181
195.84	23.428	38.178
195.94	23.425	38.176
196.	23.423	38.174
196.01		
196.02	23.422	38.173

196.05	23.421	
196.14	23.419	38.17
196.24	23.416	38.168
196.34	23.413	38.165
196.44	23.41	38.162
196.54	23.408	38.16
196.64	23.405	38.157
196.74	23.402	38.154
196.84	23.4	38.152
196.94	23.397	38.149
197.	23.395	38.148
197.01		
197.02		38.147
197.05	23.394	
197.14	23.392	38.144
197.24	23.389	38.142
197.34	23.387	38.139
197.44	23.384	38.137
197.54	23.382	38.134
197.64	23.38	38.132
197.74	23.377	38.129
197.84	23.375	38.127
197.94	23.373	38.124
198.	23.371	38.123
198.01		
198.02		38.122
198.03	23.37	
198.06		38.121
198.12	23.369	38.156
198.18	23.368	38.204
198.26	23.366	38.289
198.36	23.365	38.409
198.46		38.544
198.56		38.694
198.66	23.367	38.857
198.76	23.369	39.032
198.86	23.373	39.515
198.96	23.378	40.416
199.	23.38	40.776
199.01	23.381	40.866
199.02		40.954
199.05	23.383	41.205
199.14	23.39	41.866
199.24	23.399	42.522
199.34	23.41	43.118
199.44	23.422	43.67
199.54	23.436	44.185
199.64	23.451	44.669
199.74	23.467	45.129
199.84	23.485	45.566
199.94	23.503	45.984
200.	23.515	46.228
200.01	23.517	46.269
200.02	23.519	46.309
200.05	23.524	46.429
200.14	23.543	46.774
200.24	23.564	47.145
200.34	23.585	47.502
200.44	23.608	47.848
200.54	23.63	48.183

200.64	23.653	48.509
200.74	23.677	48.826
200.84	23.7	49.134
200.94	23.724	49.435
201.	23.738	49.612
201.01	23.741	49.642
201.02	23.743	49.672
201.05	23.75	49.759
201.14	23.772	50.018
201.24	23.796	50.299
201.34	23.82	50.574
201.44	23.844	50.844
201.54	23.868	51.109
201.64	23.892	51.368
201.74	23.916	51.624
201.84	23.94	51.875
201.94	23.964	52.121
202.	23.978	52.268
202.01	23.98	52.29
202.02	23.983	52.309
202.05	23.99	52.348
202.14	24.011	52.328
202.24	24.033	52.176
202.34	24.055	51.915
202.44	24.077	51.562
202.54	24.097	51.126
202.64	24.116	50.617
202.74	24.134	50.04
202.84	24.151	49.401
202.94	24.166	48.702
203.	24.175	48.263
203.01	24.176	48.192
203.02	24.177	48.122
203.05	24.181	47.928
203.14	24.192	47.436
203.24	24.202	46.966
203.34	24.211	46.554
203.44	24.218	46.185
203.54	24.223	45.85
203.64	24.227	45.544
203.74	24.229	45.261
203.84	24.23	44.999
203.94	24.229	44.755
204.		44.614
204.01		44.591
204.02		44.568
204.05	24.228	44.499
204.14	24.226	44.306
204.24	24.222	44.103
204.34	24.218	43.911
204.44	24.213	43.729
204.54	24.208	43.556
204.64	24.202	43.391
204.74	24.195	43.233
204.84	24.188	43.082
204.94	24.181	42.937
205.	24.176	42.853
205.01	24.175	42.839
205.02		42.825
205.05	24.172	42.783

205.14	24.165	42.663
205.24	24.157	42.534
205.34	24.149	42.411
205.44	24.14	42.291
205.54	24.132	42.175
205.64	24.123	42.063
205.74	24.114	41.955
205.84	24.106	41.85
205.94	24.097	41.748
206.	24.092	41.688
206.01	24.091	41.678
206.02	24.09	41.668
206.05	24.087	41.639
206.14	24.079	41.553
206.24	24.07	41.459
206.34	24.062	41.369
206.44	24.053	41.28
206.54	24.044	41.194
206.64	24.036	41.11
206.74	24.027	41.028
206.84	24.019	40.948
206.94	24.01	40.871
207.	24.005	40.824
207.01	24.004	40.819
207.02	24.003	40.817
207.05	24.001	40.828
207.11	23.996	40.917
207.21	23.988	41.203
207.31	23.981	41.587
207.4	23.975	42.061
207.5	23.969	42.635
207.6	23.964	43.285
207.7	23.96	44.004
207.8	23.958	44.786
207.9	23.957	45.627
208.		46.488
208.01		46.576
208.02		46.661
208.05	23.958	46.903
208.14	23.96	47.537
208.24	23.964	48.161
208.34	23.97	48.725
208.44	23.977	49.244
208.54	23.986	49.726
208.64	23.996	50.177
208.74	24.008	50.603
208.84	24.02	51.006
208.94	24.034	51.391
209.	24.043	51.615
209.01	24.045	51.65
209.02	24.046	51.682
209.05	24.051	51.757
209.14	24.065	51.837
209.24	24.081	51.785
209.34	24.097	51.614
209.44	24.114	51.343
209.54	24.13	50.982
209.64	24.145	50.54
209.74	24.16	50.025
209.84	24.175	49.441

209.94	24.188	48.793
210.	24.195	48.383
210.01	24.196	48.319
210.02	24.197	48.259
210.05	24.201	48.113
210.14	24.21	47.897
210.24	24.22	47.86
210.34	24.229	47.982
210.44	24.237	48.236
210.54	24.244	48.602
210.64	24.251	49.064
210.74	24.257	49.614
210.84	24.264	50.243
210.94	24.271	50.944
211.	24.275	51.389
211.01		51.462
211.02	24.276	51.532
211.05	24.278	51.731
211.14	24.285	52.243
211.24	24.294	52.743
211.34	24.303	53.192
211.44	24.313	53.604
211.54	24.323	53.986
211.64	24.335	54.345
211.74	24.347	54.684
211.84	24.36	55.006
211.94	24.374	55.313
212.	24.383	55.493
212.01	24.384	55.522
212.02	24.386	55.552
212.05	24.39	55.64
212.14	24.404	55.896
212.24	24.419	56.171
212.34	24.435	56.438
212.44	24.452	56.697
212.54	24.469	56.949
212.64	24.486	57.195
212.74	24.503	57.435
212.84	24.52	57.67
212.94	24.538	57.899
213.	24.549	58.035
213.01	24.55	58.058
213.02	24.552	58.081
213.05	24.557	58.148
213.14	24.574	58.345
213.24	24.591	58.561
213.34	24.609	58.772
213.44	24.627	58.979
213.54	24.645	59.183
213.64	24.663	59.383
213.74	24.681	59.58
213.84	24.699	59.774
213.94	24.716	59.965
214.	24.727	60.078
214.01	24.729	60.097
214.02	24.73	60.117
214.05	24.736	60.174
214.14	24.752	60.35
214.24	24.769	60.549
214.34	24.786	60.748

214.44	24.804	60.949
214.54	24.821	61.151
214.64	24.838	61.353
214.74	24.855	61.556
214.84	24.872	61.76
214.94	24.889	61.963
215.	24.899	62.085
215.01	24.901	62.105
215.02	24.902	62.126
215.05	24.907	62.185
215.14	24.922	62.359
215.24	24.939	62.547
215.34	24.955	62.731
215.44	24.972	62.911
215.54	24.988	63.088
215.64	25.005	63.262
215.74	25.021	63.434
215.84	25.037	63.603
215.94	25.053	63.77
216.	25.062	63.869
216.01	25.064	63.886
216.02	25.066	63.902
216.05	25.07	63.95
216.14	25.085	64.085
216.24	25.1	64.227
216.34	25.116	64.363
216.44	25.131	64.493
216.54	25.146	64.617
216.64	25.161	64.737
216.74	25.176	64.852
216.84	25.191	64.962
216.94	25.206	65.069
217.	25.214	65.131
217.01	25.216	65.142
217.02	25.217	65.152
217.05	25.221	65.186
217.14	25.234	65.296
217.24	25.248	65.426
217.34	25.262	65.562
217.44	25.276	65.703
217.54	25.289	65.848
217.64	25.303	65.996
217.74	25.316	66.147
217.84	25.329	66.301
217.94	25.342	66.457
218.	25.35	66.551
218.01	25.351	66.566
218.02	25.352	66.582
218.05	25.356	66.628
218.14	25.368	66.763
218.24	25.38	66.909
218.34	25.393	67.053
218.44	25.406	67.195
218.54	25.418	67.336
218.64	25.431	67.475
218.74	25.443	67.613
218.84	25.455	67.749
218.94	25.467	67.885
219.	25.475	67.965
219.01	25.476	67.976
219.02		

	25.477	67.985
219.05	25.481	67.989
219.14	25.491	67.862
219.24	25.503	67.586
219.34	25.514	67.199
219.44	25.524	66.718
219.54	25.533	66.152
219.64	25.542	65.512
219.74	25.549	64.803
219.84	25.555	64.03
219.94	25.559	63.198
220.	25.561	62.678
220.01	25.562	62.596
220.02		62.518
220.05	25.563	62.322
220.14	25.564	61.967
220.24		61.79
220.34		61.785
220.44	25.562	61.922
220.54	25.559	62.179
220.64	25.556	62.543
220.74	25.553	63.001
220.84	25.549	63.546
220.94	25.546	64.169
221.	25.544	64.57
221.01		64.635
221.02	25.543	64.698
221.05		64.874
221.14	25.541	65.317
221.24	25.539	65.739
221.34	25.538	66.111
221.44	25.539	66.447
221.54	25.54	66.755
221.64	25.542	67.04
221.74	25.545	67.307
221.84	25.549	67.558
221.94	25.554	67.797
222.	25.557	67.936
222.01	25.558	67.959
222.02		67.981
222.05	25.56	68.047
222.14	25.566	68.231
222.24	25.573	68.421
222.34	25.58	68.598
222.44	25.588	68.765
222.54	25.597	68.921
222.64	25.605	69.068
222.74	25.614	69.208
222.84	25.624	69.34
222.94	25.633	69.465
223.	25.639	69.538
223.01	25.64	69.55
223.02	25.641	69.562
223.05	25.644	69.599
223.14	25.653	69.711
223.24	25.663	69.834
223.34	25.673	69.957
223.44	25.683	70.079
223.54	25.693	70.2
223.64	25.704	70.319

223.74	25.714	70.437
223.84	25.724	70.554
223.94	25.734	70.669
224.	25.74	70.738
224.01	25.741	70.749
224.02	25.742	70.761
224.05	25.745	70.796
224.14	25.754	70.908
224.24	25.764	71.035
224.34	25.774	71.166
224.44	25.784	71.3
224.54	25.794	71.436
224.64	25.804	71.573
224.74	25.814	71.712
224.84	25.824	71.853
224.94	25.834	71.995
225.	25.84	72.081
225.01	25.841	72.095
225.02	25.842	72.109
225.05	25.845	72.15
225.14	25.854	72.269
225.24	25.863	72.395
225.34	25.873	72.517
225.44	25.883	72.635
225.54	25.893	72.751
225.64	25.903	72.863
225.74	25.913	72.974
225.84	25.922	73.082
225.94	25.932	73.188
226.	25.938	73.251
226.01	25.939	73.264
226.02	25.94	73.279
226.05	25.943	73.343
226.14	25.952	73.659
226.24	25.962	74.131
226.34	25.973	74.702
226.44	25.984	75.357
226.54	25.996	76.085
226.64	26.008	76.879
226.74	26.021	77.734
226.84	26.036	78.645
226.94	26.051	79.608
227.	26.061	80.204
227.01	26.063	80.301
227.02	26.065	80.397
227.05	26.07	80.669
227.14	26.086	81.399
227.24	26.106	82.132
227.34	26.126	82.807
227.44	26.149	83.437
227.54	26.172	84.031
227.64	26.197	84.594
227.74	26.222	85.132
227.84	26.249	85.648
227.94	26.277	86.143
228.	26.294	86.434
228.01	26.296	86.483
228.02	26.299	86.531
228.05	26.308	86.674
228.14	26.334	87.088
228.24		

	26.364	87.533
228.34	26.394	87.965
228.44	26.425	88.384
228.54	26.456	88.792
228.64	26.487	89.189
228.74	26.519	89.577
228.84	26.55	89.955
228.94	26.582	90.324
229.	26.601	90.543
229.01	26.604	90.577
229.02	26.608	90.609
229.05	26.617	90.685
229.14	26.646	90.784
229.24	26.677	90.767
229.34	26.707	90.646
229.44	26.738	90.435
229.54	26.767	90.144
229.64	26.795	89.782
229.74	26.822	89.353
229.84	26.848	88.864
229.94	26.873	88.317
230.	26.887	87.969
230.01	26.889	87.913
230.02	26.892	87.859
230.05	26.898	87.709
230.14	26.918	87.343
230.24	26.938	87.008
230.34	26.956	86.725
230.44	26.972	86.482
230.54	26.987	86.27
230.64	27.001	86.083
230.74	27.013	85.918
230.84	27.024	85.77
230.94	27.033	85.638
231.	27.039	85.564
231.01	27.04	85.554
231.02		85.547
231.05	27.043	
231.14	27.05	85.687
231.24	27.057	85.982
231.34	27.063	86.392
231.44	27.07	86.9
231.54	27.076	87.494
231.64	27.083	88.167
231.74	27.09	88.91
231.84	27.098	89.719
231.94	27.107	90.588
232.	27.113	91.132
232.01	27.114	91.218
232.02	27.115	91.299
232.05	27.118	91.511
232.14	27.127	91.923
232.24	27.139	92.175
232.34	27.151	92.266
232.44	27.164	92.224
232.54	27.177	92.069
232.64	27.191	91.815
232.74	27.205	91.472
232.84	27.219	91.05
232.94	27.232	90.553

233.	27.24	90.23
233.01	27.242	90.183
233.02	27.243	90.142
233.05	27.247	90.068
233.14	27.258	90.172
233.24	27.271	90.593
233.34	27.283	91.256
233.44	27.296	92.121
233.54	27.309	93.159
233.64	27.322	94.35
233.74	27.337	95.679
233.84	27.352	97.134
233.94	27.369	98.704
234.	27.38	99.687
234.01	27.382	99.842
234.02	27.384	99.99
234.05	27.39	100.37
234.14	27.408	101.1
234.24	27.43	101.54
234.34	27.453	101.68
234.44	27.477	101.57
234.54	27.502	101.26
234.64	27.527	100.76
234.74	27.553	100.1
234.84	27.578	99.295
234.94	27.602	98.351
235.	27.616	97.738
235.01	27.619	97.641
235.02	27.621	97.55
235.05	27.628	97.319
235.14	27.648	96.896
235.24	27.669	96.666
235.34	27.689	96.621
235.44	27.707	96.724
235.54	27.724	96.948
235.64	27.74	97.278
235.74	27.755	97.699
235.84	27.769	98.202
235.94	27.783	98.779
236.	27.791	99.15
236.01	27.792	99.21
236.02	27.794	99.269
236.05	27.798	99.434
236.14	27.81	99.861
236.24	27.823	100.28
236.34	27.837	100.66
236.44	27.85	101.01
236.54	27.865	101.34
236.64	27.879	101.65
236.74	27.894	101.94
236.84	27.909	102.22
236.94	27.925	102.5
237.	27.935	102.66
237.01	27.936	102.68
237.02	27.938	102.71
237.05	27.943	102.79
237.14	27.957	103.02
237.24	27.974	103.26
237.34	27.991	103.5
237.44	28.008	103.73
237.54		

	28.025	103.96
237.64	28.043	104.18
237.74	28.06	104.39
237.84	28.078	104.6
237.94	28.095	104.81
238.	28.106	104.93
238.01	28.108	104.95
238.02	28.11	104.97
238.05	28.115	105.
238.14	28.13	104.97
238.24	28.148	104.83
238.34	28.164	104.59
238.44	28.18	104.27
238.54	28.196	103.88
238.64	28.211	103.43
238.74	28.224	102.91
238.84	28.237	102.35
238.94	28.249	101.73
239.	28.255	101.34
239.01	28.256	101.28
239.02	28.257	101.22
239.05	28.26	101.04
239.14	28.268	100.61
239.24	28.275	100.19
239.34	28.281	99.821
239.44	28.286	99.492
239.54	28.289	99.193
239.64	28.291	98.919
239.74	28.292	98.665
239.84		98.43
239.94	28.29	98.21
240.	28.289	98.083
240.01		98.064
240.02		98.048
240.05	28.288	98.016
240.14	28.285	98.045
240.24	28.282	98.198
240.34	28.278	98.451
240.44	28.275	98.791
240.54	28.271	99.206
240.64	28.267	99.689
240.74	28.264	100.23
240.84	28.262	100.84
240.94	28.26	101.49
241.		101.91
241.01		101.97
241.02		102.04
241.05		102.22
241.14		102.7
241.24	28.261	103.16
241.34	28.264	103.57
241.44	28.268	103.94
241.54	28.272	104.29
241.64	28.278	104.61
241.74	28.285	104.91
241.84	28.293	105.19
241.94	28.302	105.46
242.	28.307	105.61
242.01	28.308	105.64
242.02	28.309	105.66

242.05	28.312	105.74
242.14	28.321	105.96
242.24	28.332	106.19
242.34	28.344	106.42
242.44	28.356	106.64
242.54	28.368	106.85
242.64	28.381	107.05
242.74	28.394	107.25
242.84	28.407	107.44
242.94	28.421	107.63
243.	28.429	107.74
243.01	28.43	107.76
243.02	28.431	107.78
243.05	28.436	107.83
243.14	28.448	107.99
243.24	28.462	108.16
243.34	28.476	108.33
243.44	28.49	108.5
243.54	28.504	108.66
243.64	28.518	108.81
243.74	28.532	108.97
243.84	28.546	109.12
243.94	28.56	109.27
244.	28.569	109.36
244.01	28.57	109.37
244.02	28.572	109.39
244.05	28.576	109.43
244.14	28.588	109.56
244.24	28.602	109.69
244.34	28.616	109.83
244.44	28.629	109.96
244.54	28.643	110.09
244.64	28.657	110.22
244.74	28.67	110.34
244.84	28.683	110.47
244.94	28.696	110.59
245.	28.704	110.66
245.01	28.705	110.67
245.02	28.707	
245.05	28.711	110.68
245.14	28.722	110.6
245.24	28.734	110.4
245.34	28.746	110.12
245.44	28.757	109.76
245.54	28.768	109.34
245.64	28.778	108.86
245.74	28.786	108.33
245.84	28.794	107.75
245.94	28.801	107.12
246.	28.804	106.73
246.01	28.805	106.66
246.02		106.6
246.05	28.807	106.42
246.14	28.811	105.97
246.24	28.814	105.53
246.34	28.815	105.14
246.44	28.816	104.78
246.54	28.815	104.46
246.64	28.813	104.15
246.74	28.81	103.87

246.84	28.805	103.6
246.94	28.8	103.35
247.	28.797	103.2
247.01	28.796	103.18
247.02		103.16
247.05	28.794	103.12
247.14	28.788	103.09
247.24	28.781	103.17
247.34	28.774	103.34
247.44	28.766	103.59
247.54	28.759	103.9
247.64	28.752	104.28
247.74	28.745	104.71
247.84	28.739	105.19
247.94	28.733	105.72
248.	28.73	106.05
248.01		106.1
248.02		106.15
248.05	28.728	106.27
248.14	28.725	106.46
248.24	28.722	106.51
248.34	28.719	106.44
248.44	28.717	106.27
248.54	28.716	106.
248.64	28.714	105.66
248.74	28.713	105.26
248.84		104.79
248.94	28.711	104.26
249.		103.93
249.01	28.71	103.87
249.02		103.82
249.05		103.67
249.14	28.708	103.3
249.24	28.706	102.93
249.34	28.703	102.61
249.44	28.699	102.32
249.54	28.695	102.05
249.64	28.69	101.8
249.74	28.684	101.57
249.84	28.678	101.35
249.94	28.671	101.14
250.	28.666	101.02
250.01		101.
250.02	28.665	100.98
250.05	28.663	100.92
250.14	28.656	100.74
250.24	28.647	100.56
250.34	28.638	100.38
250.44	28.629	100.21
250.54	28.62	100.04
250.64	28.61	99.874
250.74	28.601	99.715
250.84	28.591	99.559
250.94	28.581	99.407
251.	28.575	99.317
251.01	28.573	99.302
251.02	28.572	99.287
251.05	28.569	99.244
251.14	28.56	99.125
251.24	28.55	99.003

251.34	28.539	98.888
251.44	28.529	98.781
251.54	28.519	98.68
251.64	28.509	98.585
251.74	28.498	98.495
251.84	28.488	98.41
251.94	28.478	98.33
252.	28.472	98.284
252.01	28.471	98.276
252.02	28.47	98.268
252.05	28.467	98.244
252.14	28.459	98.17
252.24	28.449	98.086
252.34	28.439	98.001
252.44	28.43	97.917
252.54	28.421	97.832
252.64	28.412	97.747
252.74	28.403	97.663
252.84	28.394	97.58
252.94	28.385	97.497
253.	28.38	97.448
253.01	28.379	97.439
253.02	28.378	97.431
253.05	28.376	97.407
253.14	28.368	97.334
253.24	28.36	97.254
253.34	28.352	97.174
253.44	28.344	97.096
253.54	28.336	97.018
253.64	28.328	96.942
253.74	28.321	96.866
253.84	28.313	96.791
253.94	28.306	96.716
254.	28.302	96.672
254.01	28.301	96.666
254.02	28.3	96.662
254.05	28.298	96.664
254.14	28.292	96.762
254.24	28.285	96.961
254.34	28.279	97.234
254.44	28.273	97.569
254.54	28.268	97.959
254.64	28.264	98.4
254.74	28.26	98.886
254.84	28.257	99.414
254.94	28.255	99.981
255.		100.34
255.01		100.39
255.02	28.254	100.44
255.05		100.58
255.14		100.82
255.24	28.255	100.95
255.34	28.257	
255.44	28.259	100.87
255.54	28.262	100.7
255.64	28.266	100.45
255.74	28.269	100.15
255.84	28.273	99.787
255.94	28.277	99.37
256.		99.102

256.01	28.279	99.059
256.02		99.017
256.05	28.28	98.902
256.14	28.283	98.617
256.24	28.286	98.355
256.34	28.288	98.13
256.44	28.289	97.934
256.54	28.291	97.761
256.64		97.606
256.74		97.466
256.84	28.29	97.339
256.94	28.289	97.223
257.	28.288	97.157
257.01		97.146
257.02		97.135
257.05	28.287	97.102
257.14	28.285	97.008
257.24	28.283	96.907
257.34	28.28	96.81
257.44	28.277	96.716
257.54	28.274	96.627
257.64	28.27	96.54
257.74	28.266	96.456
257.84	28.263	96.375
257.94	28.259	96.297
258.	28.256	96.251
258.01		96.245
258.02	28.255	96.241
258.05	28.254	
258.14	28.251	96.335
258.24	28.247	96.528
258.34	28.243	96.795
258.44	28.24	97.124
258.54	28.237	97.509
258.64	28.235	97.943
258.74	28.234	98.422
258.84	28.233	98.943
258.94		99.504
259.		99.854
259.01		99.911
259.02		99.967
259.05	28.234	100.12
259.14	28.236	100.54
259.24	28.239	100.94
259.34	28.243	101.3
259.44	28.248	101.64
259.54	28.254	101.95
259.64	28.261	102.24
259.74	28.268	102.51
259.84	28.277	102.77
259.94	28.287	103.02
260.	28.293	103.16
260.01	28.294	103.19
260.02	28.295	103.21
260.05	28.298	103.28
260.14	28.307	103.48
260.24	28.319	103.7
260.34	28.331	103.91
260.44	28.343	104.11
260.54	28.356	104.31

260.64	28.369	104.5
260.74	28.382	104.68
260.84	28.395	104.86
260.94	28.409	105.04
261.	28.417	105.14
261.01	28.419	105.16
261.02	28.42	105.17
261.05	28.424	105.2
261.14	28.437	105.19
261.24	28.45	105.09
261.34	28.464	104.91
261.44	28.477	104.67
261.54	28.49	104.38
261.64	28.502	104.03
261.74	28.513	103.64
261.84	28.524	103.2
261.94	28.534	102.72
262.	28.54	102.42
262.01	28.541	102.37
262.02		102.33
262.05	28.544	102.22
262.14	28.551	102.05
262.24	28.559	102.
262.34	28.565	102.05
262.44	28.571	102.21
262.54	28.577	102.43
262.64	28.582	102.73
262.74	28.586	103.09
262.84	28.591	103.5
262.94	28.596	103.96
263.	28.599	104.26
263.01		104.3
263.02	28.6	104.35
263.05	28.601	104.45
263.14	28.606	104.62
263.24	28.611	104.67
263.34	28.616	104.61
263.44	28.621	104.45
263.54	28.627	104.22
263.64	28.632	103.93
263.74	28.638	103.58
263.84	28.643	103.17
263.94	28.647	102.71
264.	28.65	102.42
264.01		102.37
264.02	28.651	102.33
264.05	28.652	102.2
264.14	28.655	101.89
264.24	28.658	101.61
264.34	28.661	101.36
264.44	28.663	101.16
264.54	28.664	100.97
264.64		100.81
264.74		100.67
264.84	28.663	100.55
264.94	28.661	100.44
265.	28.66	100.37
265.01		100.36
265.02		100.35
265.05	28.659	100.32

265.14	28.657	100.24
265.24	28.654	100.17
265.34	28.651	100.09
265.44	28.648	100.03
265.54	28.644	99.975
265.64	28.64	99.927
265.74	28.637	99.885
265.84	28.633	99.85
265.94	28.629	99.822
266.	28.626	99.806
266.01		99.804
266.02		99.801
266.05	28.624	99.792
266.14	28.621	99.758
266.24	28.617	99.716
266.34	28.613	99.67
266.44	28.609	99.622
266.54	28.606	99.572
266.64	28.602	99.52
266.74	28.598	99.467
266.84	28.595	99.412
266.94	28.592	99.356
267.	28.589	99.322
267.01		99.318
267.02		99.316
267.05	28.588	99.324
267.14	28.585	99.445
267.24	28.582	99.672
267.34	28.58	99.974
267.44	28.577	100.34
267.54	28.576	100.77
267.64	28.575	101.24
267.74		101.76
267.84		102.32
267.94	28.577	102.92
268.	28.578	103.3
268.01		103.36
268.02	28.579	103.42
268.05		103.59
268.14	28.583	104.03
268.24	28.587	104.46
268.34	28.593	104.86
268.44	28.599	105.21
268.54	28.607	105.55
268.64	28.616	105.86
268.74	28.625	106.15
268.84	28.635	106.43
268.94	28.646	106.69
269.	28.653	106.85
269.01	28.655	106.87
269.02	28.656	106.9
269.05	28.659	106.97
269.14	28.67	107.19
269.24	28.683	107.42
269.34	28.697	107.65
269.44	28.711	107.86
269.54	28.725	108.07
269.64	28.739	108.28
269.74	28.754	108.47
269.84	28.769	108.67

269.94	28.784	108.85
270.	28.793	108.96
270.01	28.795	108.98
270.02	28.796	108.99
270.05	28.801	109.03
270.14	28.814	109.02
270.24	28.829	108.92
270.34	28.844	108.74
270.44	28.858	108.49
270.54	28.872	108.19
270.64	28.885	107.83
270.74	28.898	107.42
270.84	28.91	106.97
270.94	28.921	106.48
271.	28.927	106.17
271.01	28.928	106.12
271.02	28.929	106.07
271.05	28.932	105.96
271.14	28.94	105.81
271.24	28.948	105.8
271.34	28.955	105.92
271.44	28.962	106.14
271.54	28.968	106.45
271.64	28.974	106.85
271.74	28.98	107.31
271.84	28.985	107.84
271.94	28.991	108.44
272.	28.995	108.81
272.01		108.87
272.02	28.996	108.93
272.05	28.998	109.07
272.14	29.003	109.34
272.24	29.01	109.49
272.34	29.017	109.52
272.44	29.024	109.46
272.54	29.032	109.32
272.64	29.04	109.1
272.74	29.047	108.83
272.84	29.055	108.5
272.94	29.063	108.11
273.	29.067	107.86
273.01	29.068	107.82
273.02	29.069	107.79
273.05	29.071	107.7
273.14	29.077	107.59
273.24	29.083	107.6
273.34	29.09	107.71
273.44	29.096	107.9
273.54	29.102	108.17
273.64	29.107	108.49
273.74	29.113	108.88
273.84	29.119	109.31
273.94	29.125	109.79
274.	29.128	110.09
274.01	29.129	110.14
274.02	29.13	110.19
274.05	29.131	110.34
274.14	29.137	110.75
274.24	29.145	111.18
274.34	29.152	111.61

274.44	29.161	112.03
274.54	29.17	112.45
274.64	29.18	112.86
274.74	29.191	113.28
274.84	29.202	113.7
274.94	29.214	114.11
275.	29.222	114.36
275.01	29.223	114.4
275.02	29.225	114.44
275.05	29.229	114.53
275.14	29.241	114.69
275.24	29.255	114.74
275.34	29.269	114.7
275.44	29.283	114.57
275.54	29.298	114.37
275.64	29.312	114.11
275.74	29.326	113.79
275.84	29.34	113.41
275.94	29.353	112.99
276.	29.36	112.72
276.01	29.362	112.67
276.02	29.363	112.63
276.05	29.367	112.52
276.14	29.377	112.28
276.24	29.388	112.09
276.34	29.398	111.96
276.44	29.408	111.88
276.54	29.416	111.84
276.64	29.424	111.83
276.74	29.431	111.85
276.84	29.437	111.89
276.94	29.443	111.96
277.	29.446	112.01
277.01	29.447	112.02
277.02		
277.05	29.449	112.06
277.14	29.453	112.19
277.24	29.458	112.37
277.34	29.463	112.59
277.44	29.468	112.83
277.54	29.472	113.08
277.64	29.477	113.36
277.74	29.482	113.66
277.84	29.488	113.97
277.94	29.493	114.29
278.	29.497	114.49
278.01	29.498	114.52
278.02		114.56
278.05	29.5	114.68
278.14	29.506	115.15
278.24	29.514	115.77
278.34	29.522	116.48
278.44	29.531	117.26
278.54	29.542	118.1
278.64	29.553	119.
278.74	29.566	119.96
278.84	29.58	120.97
278.94	29.596	122.03
279.	29.606	122.68
279.01	29.608	122.79

279.02	29.609	122.9
279.05	29.615	123.26
279.14	29.632	124.44
279.24	29.653	125.88
279.34	29.677	127.43
279.44	29.703	129.07
279.54	29.731	130.79
279.64	29.763	132.6
279.74	29.797	134.48
279.84	29.833	136.43
279.94	29.873	138.45
280.	29.899	139.69
280.01	29.903	139.89
280.02	29.907	140.09
280.05	29.92	140.69
280.14	29.962	142.4
280.24	30.011	144.25
280.34	30.064	146.05
280.44	30.119	147.83
280.54	30.178	149.59
280.64	30.24	151.34
280.74	30.304	153.08
280.84	30.372	154.81
280.94	30.442	156.54
281.	30.485	157.57
281.01	30.492	157.74
281.02	30.499	157.91
281.05	30.521	158.42
281.14	30.588	159.89
281.24	30.666	161.49
281.34	30.745	163.05
281.44	30.826	164.59
281.54	30.909	166.11
281.64	30.993	167.6
281.74	31.079	169.08
281.84	31.166	170.55
281.94	31.255	172.
282.	31.308	172.87
282.01	31.317	173.01
282.02	31.326	173.15
282.05	31.353	173.57
282.14	31.435	174.72
282.24	31.526	175.93
282.34	31.618	177.07
282.44	31.71	178.15
282.54	31.803	179.18
282.64	31.895	180.17
282.74	31.988	181.11
282.84	32.081	182.02
282.94	32.173	182.89
283.	32.228	183.41
283.01	32.237	183.49
283.02	32.247	183.59
283.05	32.274	183.9
283.14	32.357	185.07
283.24	32.449	186.57
283.34	32.541	188.24
283.44	32.633	190.04
283.54	32.725	191.97
283.64	32.817	194.
283.74		

	32.911	196.12
283.84	33.005	198.34
283.94	33.1	200.63
284.	33.157	202.03
284.01	33.167	202.26
284.02	33.177	202.49
284.05	33.206	203.14
284.14	33.293	204.91
284.24	33.392	206.73
284.34	33.492	208.42
284.44	33.594	210.01
284.54	33.696	211.52
284.64	33.8	212.97
284.74	33.905	214.36
284.84	34.01	215.69
284.94	34.116	216.98
285.	34.18	217.73
285.01	34.191	217.86
285.02	34.202	217.98
285.05	34.234	218.36
285.14	34.33	219.48
285.24	34.437	220.71
285.34	34.545	221.92
285.44	34.652	223.11
285.54	34.759	224.29
285.64	34.866	225.45
285.74	34.972	226.59
285.84	35.077	227.71
285.94	35.182	228.83
286.	35.245	229.49
286.01	35.256	229.6
286.02	35.266	229.71
286.05	35.298	230.04
286.14	35.391	231.01
286.24	35.494	232.08
286.34	35.596	233.13
286.44	35.698	234.17
286.54	35.798	235.19
286.64	35.898	236.21
286.74	35.997	237.21
286.84	36.096	238.19
286.94	36.193	239.17
287.	36.251	239.75
287.01	36.261	239.85
287.02	36.271	239.95
287.05	36.3	240.26
287.14	36.386	241.3
287.24	36.481	242.54
287.34	36.576	243.85
287.44	36.67	245.22
287.54	36.764	246.64
287.64	36.857	248.1
287.74	36.95	249.6
287.84	37.044	251.14
287.94	37.137	252.71
288.	37.193	253.66
288.01	37.202	253.82
288.02	37.211	253.96
288.05	37.239	254.37
288.14	37.323	255.33
288.24		

	37.416	256.14
288.34	37.508	256.74
288.44	37.599	257.19
288.54	37.69	257.48
288.64	37.781	257.65
288.74	37.87	257.7
288.84	37.957	257.64
288.94	38.043	257.48
289.	38.094	257.36
289.01	38.103	257.34
289.02	38.111	257.33
289.05	38.137	
289.14	38.211	257.53
289.24	38.291	257.96
289.34	38.37	258.53
289.44	38.447	259.22
289.54	38.522	260.01
289.64	38.596	260.89
289.74	38.667	261.83
289.84	38.738	262.84
289.94	38.807	263.9
290.	38.848	264.56
290.01	38.855	264.67
290.02	38.862	264.79
290.05	38.882	265.13
290.14	38.943	266.22
290.24	39.01	267.49
290.34	39.077	268.83
290.44	39.144	270.22
290.54	39.211	271.65
290.64	39.278	273.13
290.74	39.346	274.66
290.84	39.415	276.22
290.94	39.485	277.82
291.	39.527	278.8
291.01	39.534	278.96
291.02	39.541	279.11
291.05	39.562	279.58
291.14	39.627	280.88
291.24	39.699	282.24
291.34	39.772	283.55
291.44	39.847	284.81
291.54	39.922	286.03
291.64	39.998	287.22
291.74	40.075	288.38
291.84	40.153	289.52
291.94	40.231	290.63
292.	40.279	291.3
292.01	40.286	291.41
292.02	40.294	291.52
292.05	40.318	291.85
292.14	40.39	292.83
292.24	40.469	293.91
292.34	40.549	294.98
292.44	40.63	296.04
292.54	40.71	297.1
292.64	40.79	298.14
292.74	40.871	299.18
292.84	40.951	300.2
292.94	41.031	301.22

293.	41.079	301.83
293.01	41.087	301.94
293.02	41.095	302.04
293.05	41.119	302.39
293.14	41.192	303.56
293.24	41.272	305.01
293.34	41.353	306.57
293.44	41.434	308.23
293.54	41.516	309.97
293.64	41.598	311.79
293.74	41.681	313.67
293.84	41.764	315.61
293.94	41.849	317.62
294.	41.9	318.84
294.01	41.909	319.03
294.02	41.918	319.23
294.05	41.943	319.77
294.14	42.021	321.13
294.24	42.109	322.41
294.34	42.197	323.5
294.44	42.286	324.43
294.54	42.375	325.23
294.64	42.465	325.91
294.74	42.556	326.49
294.84	42.646	326.98
294.94	42.735	327.38
295.	42.789	327.59
295.01	42.798	327.63
295.02	42.807	327.68
295.05	42.834	327.87
295.14	42.914	328.77
295.24	43.003	330.05
295.34	43.091	331.57
295.44	43.179	333.27
295.54	43.267	335.14
295.64	43.355	337.14
295.74	43.442	339.27
295.84	43.531	341.52
295.94	43.62	343.86
296.	43.673	345.31
296.01	43.682	345.54
296.02	43.691	345.77
296.05	43.718	346.41
296.14	43.799	348.02
296.24	43.891	349.53
296.34	43.983	350.82
296.44	44.076	351.94
296.54	44.17	352.92
296.64	44.264	353.76
296.74	44.359	354.5
296.84	44.455	355.13
296.94	44.55	355.68
297.	44.607	355.97
297.01	44.617	356.03
297.02	44.626	356.09
297.05	44.655	356.31
297.14	44.741	357.26
297.24	44.836	358.57
297.34	44.931	360.08
297.44	45.026	361.75
297.54		

	45.12	363.55
297.64	45.214	365.47
297.74	45.309	367.5
297.84	45.403	369.62
297.94	45.498	371.83
298.	45.555	373.18
298.01	45.565	373.4
298.02	45.574	373.61
298.05	45.603	374.19
298.14	45.689	375.57
298.24	45.785	376.77
298.34	45.881	377.71
298.44	45.978	378.44
298.54	46.075	378.98
298.64	46.172	379.36
298.74	46.269	379.6
298.84	46.365	379.71
298.94	46.46	379.7
299.	46.517	379.65
299.01	46.526	
299.02	46.536	
299.05	46.564	379.69
299.14	46.648	380.06
299.24	46.739	380.67
299.34	46.83	381.43
299.44	46.919	382.32
299.54	47.006	383.32
299.64	47.092	384.39
299.74	47.177	385.54
299.84	47.26	386.76
299.94	47.342	388.04
300.	47.39	388.82
300.01	47.399	388.95
300.02	47.407	389.08
300.05	47.431	389.46
300.14	47.503	390.55
300.24	47.583	391.73
300.34	47.662	392.88
300.44	47.741	394.02
300.54	47.819	395.15
300.64	47.898	396.27
300.74	47.977	397.38
300.84	48.055	398.49
300.94	48.134	399.59
301.	48.181	400.25
301.01	48.189	400.36
301.02	48.197	400.48
301.05	48.221	400.86
301.14	48.292	402.19
301.24	48.372	403.86
301.34	48.453	405.68
301.44	48.534	407.62
301.54	48.617	409.68
301.64	48.7	411.83
301.74	48.785	414.07
301.84	48.871	416.39
301.94	48.958	418.79
302.	49.011	420.26
302.01	49.02	420.5
302.02	49.029	420.73

302.05	49.056	421.42
302.14	49.138	423.28
302.24	49.231	425.19
302.34	49.325	426.98
302.44	49.421	428.68
302.54	49.52	430.3
302.64	49.619	431.84
302.74	49.721	433.34
302.84	49.824	434.78
302.94	49.928	436.17
303.	49.991	436.99
303.01	50.001	437.13
303.02	50.012	437.25
303.05	50.043	437.61
303.14	50.138	438.47
303.24	50.244	439.2
303.34	50.35	439.77
303.44	50.456	440.18
303.54	50.56	440.46
303.64	50.664	440.63
303.74	50.767	440.68
303.84	50.869	440.63
303.94	50.968	440.49
304.	51.028	440.37
304.01	51.037	440.36
304.02	51.047	440.35
304.05	51.076	440.33
304.14	51.163	440.45
304.24	51.256	440.72
304.34	51.348	441.09
304.44	51.437	441.53
304.54	51.523	442.03
304.64	51.608	442.58
304.74	51.69	443.18
304.84	51.77	443.81
304.94	51.847	444.47
305.	51.893	444.87
305.01	51.901	444.95
305.02	51.909	445.02
305.05	51.931	445.31
305.14	51.999	446.5
305.24	52.073	448.14
305.34	52.146	450.03
305.44	52.22	452.14
305.54	52.293	454.44
305.64	52.367	456.91
305.74	52.442	459.54
305.84	52.518	462.3
305.94	52.596	465.2
306.	52.644	466.98
306.01	52.651	467.27
306.02	52.659	467.55
306.05	52.683	468.3
306.14	52.757	470.1
306.24	52.84	471.65
306.34	52.925	472.86
306.44	53.012	473.8
306.54	53.101	474.5
306.64	53.192	475.
306.74	53.284	475.33
306.84		

	53.377	475.49
306.94	53.47	475.51
307.	53.527	475.47
307.01	53.536	475.46
307.02	53.545	
307.05	53.573	475.42
307.14	53.657	475.2
307.24	53.749	474.84
307.34	53.839	474.37
307.44	53.928	473.8
307.54	54.014	473.13
307.64	54.098	472.38
307.74	54.178	471.53
307.84	54.255	470.6
307.94	54.329	469.6
308.	54.372	468.97
308.01	54.379	468.87
308.02	54.386	468.77
308.05	54.407	468.53
308.14	54.467	468.1
308.24	54.53	467.86
308.34	54.59	467.82
308.44	54.646	467.94
308.54	54.7	468.18
308.64	54.75	468.53
308.74	54.797	468.98
308.84	54.842	469.51
308.94	54.885	470.12
309.	54.909	470.51
309.01	54.914	470.57
309.02	54.918	470.63
309.05	54.93	470.79
309.14	54.965	471.11
309.24	55.002	471.35
309.34	55.038	471.5
309.44	55.073	471.58
309.54	55.107	471.59
309.64	55.141	471.56
309.74	55.173	471.47
309.84	55.205	471.35
309.94	55.236	471.19
310.	55.255	471.09
310.01	55.258	471.07
310.02	55.261	471.06
310.05	55.27	471.05
310.14	55.297	471.17
310.24	55.326	471.45
310.34	55.355	471.84
310.44	55.384	472.32
310.54	55.412	472.88
310.64	55.44	473.5
310.74	55.467	474.19
310.84	55.494	474.93
310.94	55.521	475.72
311.	55.537	476.21
311.01	55.54	476.29
311.02	55.543	476.37
311.05	55.551	476.56
311.14	55.575	476.94
311.24	55.602	477.18

311.34	55.629	477.29
311.44	55.657	477.27
311.54	55.684	477.17
311.64	55.711	476.97
311.74	55.738	476.71
311.84	55.765	476.37
311.94	55.792	475.97
312.	55.807	475.71
312.01	55.81	475.67
312.02	55.813	475.62
312.05	55.82	475.49
312.14	55.843	475.08
312.24	55.867	474.61
312.34	55.891	474.1
312.44	55.913	473.57
312.54	55.933	473.01
312.64	55.953	472.43
312.74	55.97	471.82
312.84	55.986	471.18
312.94	56.001	470.52
313.	56.009	470.11
313.01	56.01	470.05
313.02	56.011	469.99
313.05	56.015	469.84
313.14	56.025	469.58
313.24	56.035	469.46
313.34	56.044	469.49
313.44	56.051	469.63
313.54	56.058	469.87
313.64	56.063	470.2
313.74	56.068	470.6
313.84	56.072	471.07
313.94	56.075	471.6
314.	56.077	471.93
314.01	56.078	471.99
314.02		472.03
314.05	56.079	472.13
314.14	56.082	472.14
314.24	56.084	471.89
314.34	56.087	471.45
314.44	56.089	470.85
314.54	56.091	470.11
314.64	56.093	469.24
314.74	56.095	468.27
314.84	56.096	467.2
314.94	56.097	466.04
315.		465.31
315.01		465.2
315.02		465.08
315.05		464.79
315.14	56.095	464.16
315.24	56.093	463.69
315.34	56.09	463.38
315.44	56.086	463.22
315.54	56.081	463.18
315.64	56.075	463.23
315.74	56.067	463.37
315.84	56.059	463.59
315.94	56.05	463.88
316.	56.045	464.08

316.01	56.044	464.11
316.02	56.043	464.15
316.05	56.04	464.26
316.14	56.031	464.63
316.24	56.022	465.1
316.34	56.012	465.62
316.44	56.004	466.19
316.54	55.996	466.81
316.64	55.989	467.47
316.74	55.983	468.17
316.84	55.978	468.91
316.94	55.974	469.68
317.	55.973	470.16
317.01	55.972	470.23
317.02		470.3
317.05		470.46
317.14	55.971	470.62
317.24	55.97	470.52
317.34	55.971	470.19
317.44	55.972	469.68
317.54	55.974	469.01
317.64	55.977	468.2
317.74	55.98	467.26
317.84	55.983	466.21
317.94	55.986	465.06
318.	55.987	464.33
318.01	55.988	464.21
318.02		464.09
318.05		463.75
318.14	55.99	462.76
318.24		461.7
318.34	55.989	460.65
318.44	55.986	459.61
318.54	55.981	458.57
318.64	55.975	457.52
318.74	55.966	456.47
318.84	55.955	455.4
318.94	55.942	454.32
319.	55.934	453.67
319.01	55.932	453.57
319.02	55.931	453.48
319.05	55.926	453.26
319.14	55.911	453.02
319.24	55.894	453.14
319.34	55.875	453.57
319.44	55.855	454.26
319.54	55.835	455.18
319.64	55.815	456.3
319.74	55.794	457.59
319.84	55.774	459.05
319.94	55.755	460.66
320.	55.744	461.67
320.01	55.743	461.83
320.02	55.741	461.99
320.05	55.736	462.38
320.14	55.721	463.12
320.24	55.706	463.57
320.34	55.692	463.73
320.44	55.681	463.65
320.54	55.671	463.38

320.64	55.664	462.94
320.74	55.658	462.34
320.84	55.654	461.62
320.94	55.651	460.78
321.	55.649	460.23
321.01		460.14
321.02		460.05
321.05	55.648	459.81
321.14	55.647	459.21
321.24	55.646	458.62
321.34	55.645	458.1
321.44	55.644	457.62
321.54	55.643	457.17
321.64	55.64	456.75
321.74	55.637	456.34
321.84	55.633	455.96
321.94	55.628	455.58
322.	55.624	455.36
322.01		455.32
322.02	55.623	455.27
322.05	55.621	455.13
322.14	55.615	454.53
322.24	55.607	453.74
322.34	55.597	452.83
322.44	55.586	451.84
322.54	55.575	450.77
322.64	55.561	449.63
322.74	55.547	448.43
322.84	55.531	447.18
322.94	55.514	445.87
323.	55.503	445.07
323.01	55.501	444.95
323.02	55.499	444.83
323.05	55.494	444.52
323.14	55.476	443.93
323.24	55.455	443.59
323.34	55.433	443.49
323.44	55.41	443.6
323.54	55.386	443.89
323.64	55.361	444.33
323.74	55.335	444.9
323.84	55.31	445.6
323.94	55.284	446.41
324.	55.269	446.94
324.01	55.266	447.02
324.02	55.264	447.11
324.05	55.256	447.33
324.14	55.234	447.85
324.24	55.21	448.32
324.34	55.187	448.71
324.44	55.165	449.04
324.54	55.145	449.32
324.64	55.126	449.56
324.74	55.11	449.77
324.84	55.094	449.96
324.94	55.081	450.12
325.	55.073	450.22
325.01	55.072	450.23
325.02	55.071	
325.05	55.067	450.19

325.14	55.057	449.78
325.24	55.047	449.01
325.34	55.037	448.
325.44	55.028	446.78
325.54	55.019	445.38
325.64	55.009	443.82
325.74	54.999	442.12
325.84	54.989	440.28
325.94	54.976	438.31
326.	54.969	437.09
326.01	54.967	436.89
326.02	54.966	436.7
326.05	54.962	436.15
326.14	54.948	434.71
326.24	54.931	433.31
326.34	54.912	432.04
326.44	54.891	430.88
326.54	54.868	429.81
326.64	54.841	428.8
326.74	54.813	427.85
326.84	54.782	426.95
326.94	54.748	426.1
327.	54.728	425.6
327.01	54.724	425.52
327.02	54.721	425.44
327.05	54.71	425.2
327.14	54.677	424.53
327.24	54.638	423.84
327.34	54.597	423.19
327.44	54.556	422.58
327.54	54.514	422.
327.64	54.47	421.46
327.74	54.427	420.94
327.84	54.382	420.45
327.94	54.338	419.99
328.	54.311	419.72
328.01	54.306	419.67
328.02	54.302	419.62
328.05	54.288	419.47
328.14	54.248	418.92
328.24	54.202	418.24
328.34	54.157	417.56
328.44	54.112	416.87
328.54	54.067	416.13
328.64	54.021	415.37
328.74	53.976	414.58
328.84	53.931	413.77
328.94	53.886	412.93
329.	53.859	412.43
329.01	53.855	412.34
329.02	53.85	412.26
329.05	53.836	412.02
329.14	53.796	411.35
329.24	53.751	410.64
329.34	53.705	409.97
329.44	53.659	409.32
329.54	53.614	408.69
329.64	53.568	408.07
329.74	53.521	407.47
329.84	53.475	406.87
329.94		

	53.428	406.29
330.	53.4	405.94
330.01	53.395	405.88
330.02	53.39	405.82
330.05	53.376	405.62
330.14	53.334	404.94
330.24	53.286	404.1
330.34	53.239	403.19
330.44	53.19	402.23
330.54	53.142	401.23
330.64	53.093	400.18
330.74	53.044	399.1
330.84	52.995	397.99
330.94	52.945	396.85
331.	52.915	396.15
331.01	52.91	396.04
331.02	52.905	395.93
331.05	52.89	395.63
331.14	52.844	394.93
331.24	52.793	394.33
331.34	52.741	393.86
331.44	52.69	393.5
331.54	52.638	393.22
331.64	52.585	393.03
331.74	52.533	392.9
331.84	52.48	392.83
331.94	52.428	392.82
332.	52.397	
332.01	52.392	392.84
332.02	52.386	
332.05	52.371	392.82
332.14	52.324	392.73
332.24	52.273	392.58
332.34	52.223	392.4
332.44	52.174	392.21
332.54	52.125	391.99
332.64	52.078	391.77
332.74	52.032	391.55
332.84	51.987	391.32
332.94	51.943	391.09
333.	51.918	390.95
333.01	51.913	390.93
333.02	51.909	390.9
333.05	51.896	390.83
333.14	51.859	390.61
333.24	51.818	390.36
333.34	51.779	390.1
333.44	51.741	389.84
333.54	51.703	389.58
333.64	51.667	389.32
333.74	51.631	389.06
333.84	51.596	388.79
333.94	51.562	388.53
334.	51.542	388.37
334.01	51.539	388.34
334.02	51.536	388.32
334.05	51.526	388.23
334.14	51.496	387.97
334.24	51.464	387.65
334.34	51.433	387.33

334.44	51.402	386.99
334.54	51.372	386.65
334.64	51.342	386.31
334.74	51.312	385.96
334.84	51.283	385.6
334.94	51.255	385.24
335.	51.237	385.02
335.01	51.235	384.99
335.02	51.232	384.95
335.05	51.223	384.85
335.14	51.198	384.56
335.24	51.17	384.24
335.34	51.143	383.94
335.44	51.115	383.65
335.54	51.088	383.37
335.64	51.061	383.1
335.74	51.034	382.82
335.84	51.008	382.56
335.94	50.982	382.3
336.	50.966	382.15
336.01	50.963	382.12
336.02	50.961	382.09
336.05	50.953	382.02
336.14	50.93	381.79
336.24	50.904	381.54
336.34	50.878	381.29
336.44	50.853	381.04
336.54	50.828	380.8
336.64	50.804	380.56
336.74	50.779	380.32
336.84	50.755	380.08
336.94	50.731	379.85
337.	50.717	379.71
337.01	50.715	379.68
337.02	50.712	379.66
337.05	50.705	379.56
337.14	50.684	379.16
337.24	50.661	378.63
337.34	50.637	378.01
337.44	50.614	377.33
337.54	50.59	376.6
337.64	50.567	375.82
337.74	50.543	375.
337.84	50.519	374.14
337.94	50.494	373.24
338.	50.479	372.69
338.01	50.477	372.6
338.02	50.474	372.52
338.05	50.467	372.29
338.14	50.444	371.79
338.24	50.418	371.39
338.34	50.392	371.12
338.44	50.366	370.95
338.54	50.339	370.86
338.64	50.312	370.85
338.74	50.284	370.89
338.84	50.256	371.
338.94	50.228	371.15
339.	50.211	371.26
339.01	50.209	371.27
339.02		

	50.206	371.28
339.05	50.197	371.29
339.14	50.172	371.16
339.24	50.145	370.86
339.34	50.117	370.44
339.44	50.09	369.95
339.54	50.063	369.38
339.64	50.036	368.75
339.74	50.01	368.06
339.84	49.984	367.33
339.94	49.958	366.56
340.	49.943	366.09
340.01	49.94	366.01
340.02	49.937	365.93
340.05	49.93	365.71
340.14	49.907	365.13
340.24	49.881	364.55
340.34	49.855	364.01
340.44	49.829	363.5
340.54	49.803	363.02
340.64	49.776	362.55
340.74	49.748	362.11
340.84	49.721	361.68
340.94	49.692	361.26
341.	49.675	361.01
341.01	49.673	360.97
341.02	49.67	360.93
341.05	49.661	360.78
341.14	49.635	360.24
341.24	49.605	359.55
341.34	49.575	358.79
341.44	49.545	357.98
341.54	49.514	357.12
341.64	49.482	356.22
341.74	49.45	355.28
341.84	49.418	354.3
341.94	49.384	353.3
342.	49.364	352.68
342.01	49.361	352.59
342.02	49.357	352.49
342.05	49.347	352.24
342.14	49.316	351.67
342.24	49.282	351.22
342.34	49.247	350.9
342.44	49.211	350.7
342.54	49.175	350.58
342.64	49.139	350.55
342.74	49.102	350.59
342.84	49.066	350.69
342.94	49.029	350.85
343.	49.007	350.96
343.01	49.003	350.98
343.02	49.	350.99
343.05	48.989	351.03
343.14	48.956	351.07
343.24	48.92	351.05
343.34	48.885	351.
343.44	48.851	350.92
343.54	48.818	350.82
343.64	48.785	350.7
343.74		

	48.754	350.58
343.84	48.723	350.45
343.94	48.694	350.31
344.	48.677	350.22
344.01	48.674	350.21
344.02	48.671	350.19
344.05	48.663	350.12
344.14	48.638	349.81
344.24	48.611	349.36
344.34	48.585	348.83
344.44	48.559	348.24
344.54	48.534	347.6
344.64	48.509	346.91
344.74	48.485	346.17
344.84	48.46	345.39
344.94	48.436	344.58
345.	48.421	344.08
345.01	48.419	344.
345.02	48.416	343.92
345.05	48.409	343.72
345.14	48.387	343.29
345.24	48.362	342.98
345.34	48.338	342.79
345.44	48.313	342.7
345.54	48.288	342.69
345.64	48.262	342.75
345.74	48.237	342.88
345.84	48.212	343.06
345.94	48.186	343.29
346.	48.171	343.44
346.01	48.169	343.46
346.02	48.166	343.48
346.05	48.158	343.51
346.14	48.136	343.42
346.24	48.111	343.16
346.34	48.086	342.79
346.44	48.062	342.31
346.54	48.038	341.76
346.64	48.015	341.14
346.74	47.992	340.47
346.84	47.969	339.74
346.94	47.947	338.97
347.	47.933	338.48
347.01	47.931	338.41
347.02	47.929	338.33
347.05	47.922	338.11
347.14	47.902	337.54
347.24	47.88	336.98
347.34	47.857	336.47
347.44	47.834	335.99
347.54	47.811	335.54
347.64	47.787	335.12
347.74	47.763	334.72
347.84	47.739	334.33
347.94	47.713	333.96
348.	47.698	333.74
348.01	47.696	333.7
348.02	47.693	333.67
348.05	47.686	333.58
348.14	47.662	333.42
348.24		

	47.637	333.32
348.34	47.611	333.29
348.44	47.585	333.32
348.54	47.559	333.4
348.64	47.533	333.52
348.74	47.508	333.69
348.84	47.483	333.9
348.94	47.459	334.14
349.	47.444	334.3
349.01	47.442	334.32
349.02	47.44	334.34
349.05	47.433	334.37
349.14	47.412	334.32
349.24	47.389	334.11
349.34	47.367	333.79
349.44	47.345	333.38
349.54	47.324	332.9
349.64	47.304	332.36
349.74	47.284	331.76
349.84	47.265	331.12
349.94	47.246	330.43
350.	47.235	330.
350.01	47.233	329.93
350.02	47.231	329.86
350.05	47.225	329.67
350.14	47.209	329.15
350.24	47.19	328.63
350.34	47.171	328.15
350.44	47.152	327.71
350.54	47.133	327.28
350.64	47.113	326.87
350.74	47.093	326.48
350.84	47.072	326.1
350.94	47.051	325.73
351.	47.038	325.54
351.01	47.036	
351.02	47.034	
351.05	47.027	
351.14	47.007	
351.24	46.985	
351.34	46.962	
351.44	46.939	325.55
351.54	46.916	
351.64	46.893	325.56
351.74	46.869	
351.84	46.845	325.57
351.94	46.821	325.58
352.	46.807	
352.01	46.804	
352.02	46.802	
352.05	46.795	325.57
352.14	46.773	325.53
352.24	46.748	325.47
352.34	46.724	325.4
352.44	46.699	325.31
352.54	46.674	325.21
352.64	46.648	325.11
352.74	46.622	324.99
352.84	46.596	324.87
352.94	46.569	324.74

353.	46.553	324.66
353.01	46.55	324.65
353.02	46.548	324.64
353.05	46.539	324.62
353.14	46.514	324.58
353.24	46.486	324.57
353.34	46.458	
353.44	46.429	324.59
353.54	46.4	324.63
353.64	46.37	324.68
353.74	46.34	324.75
353.84	46.309	324.82
353.94	46.279	324.9
354.	46.26	324.96
354.01	46.257	
354.02	46.254	324.97
354.05	46.245	324.99
354.14	46.218	325.04
354.24	46.187	325.08
354.34	46.158	325.12
354.44	46.128	325.15
354.54	46.099	325.18
354.64	46.071	325.21
354.74	46.043	325.23
354.84	46.016	325.25
354.94	45.99	325.27
355.	45.975	325.28
355.01	45.972	
355.02	45.97	
355.05	45.962	
355.14	45.939	325.25
355.24	45.915	325.2
355.34	45.89	325.13
355.44	45.867	325.06
355.54	45.843	324.97
355.64	45.819	324.87
355.74	45.796	324.76
355.84	45.772	324.65
355.94	45.749	324.52
356.	45.734	324.44
356.01	45.732	324.43
356.02	45.729	324.42
356.05	45.722	324.4
356.14	45.701	324.37
356.24	45.676	324.35
356.34	45.652	324.36
356.44	45.627	324.38
356.54	45.602	324.42
356.64	45.577	324.47
356.74	45.551	324.53
356.84	45.525	324.6
356.94	45.499	324.69
357.	45.484	324.74
357.01	45.481	324.75
357.02	45.479	324.76
357.05	45.471	324.78
357.14	45.448	324.87
357.24	45.423	324.98
357.34	45.399	325.1
357.44	45.375	325.22

357.54	45.352	325.35
357.64	45.33	325.49
357.74	45.309	325.63
357.84	45.289	325.78
357.94	45.271	325.94
358.	45.26	326.03
358.01	45.258	326.04
358.02	45.256	326.05
358.05	45.251	326.08
358.14	45.237	326.09
358.24	45.221	326.07
358.34	45.206	326.01
358.44	45.192	325.92
358.54	45.179	325.8
358.64	45.167	325.67
358.74	45.155	325.51
358.84	45.143	325.33
358.94	45.131	325.14
359.	45.124	325.02
359.01	45.123	325.
359.02	45.122	324.99
359.05	45.119	324.96
359.14	45.108	324.93
359.24	45.096	324.95
359.34	45.084	325.
359.44	45.072	325.09
359.54	45.059	325.21
359.64	45.045	325.34
359.74	45.031	325.5
359.84	45.017	325.68
359.94	45.003	325.88
360.	44.994	326.01
360.01	44.993	326.02
360.02	44.992	326.04
360.05	44.987	326.08
360.14	44.975	326.16
360.24	44.961	326.21
360.34	44.947	326.23
360.44	44.934	326.24
360.54	44.921	326.23
360.64	44.91	326.2
360.74	44.899	326.17
360.84	44.888	326.12
360.94	44.879	326.05
361.	44.873	326.01
361.01	44.872	
361.02	44.871	326.
361.05	44.868	325.99
361.14	44.86	325.96
361.24	44.852	325.93
361.34	44.843	325.91
361.44	44.835	325.89
361.54	44.826	325.88
361.64	44.817	325.87
361.74	44.808	325.85
361.84	44.798	325.84
361.94	44.788	
362.	44.782	325.83
362.01	44.781	
362.02	44.78	

362.05	44.777	
362.14	44.767	325.82
362.24	44.756	
362.34	44.745	325.81
362.44	44.734	
362.54	44.722	
362.64	44.71	
362.74	44.698	325.8
362.84	44.685	
362.94	44.673	
363.	44.665	
363.01	44.664	
363.02	44.662	
363.05	44.659	
363.14	44.647	
363.24	44.634	
363.34	44.621	
363.44	44.608	325.81
363.54	44.595	
363.64	44.582	
363.74	44.568	
363.84	44.555	325.82
363.94	44.542	
364.	44.534	
364.01	44.532	
364.02	44.531	
364.05	44.527	
364.14	44.515	325.83
364.24	44.502	325.84
364.34	44.489	
364.44	44.475	325.85
364.54	44.462	325.86
364.64	44.449	
364.74	44.436	325.87
364.84	44.423	325.88
364.94	44.41	325.89
365.	44.402	325.9
365.01	44.401	
365.02	44.4	
365.05	44.396	
365.14	44.385	325.91
365.24	44.372	
365.34	44.359	325.92
365.44	44.347	
365.54	44.334	
365.64	44.322	325.93
365.74	44.31	
365.84	44.297	
365.94	44.285	
366.	44.278	325.94
366.01	44.277	
366.02	44.275	
366.05	44.272	325.97
366.14	44.261	326.09
366.24	44.25	326.27
366.34	44.24	326.48
366.44	44.23	326.72
366.54	44.221	326.99
366.64	44.213	327.28
366.74	44.206	327.6

366.84	44.2	327.93
366.94	44.196	328.29
367.	44.193	328.51
367.01		328.54
367.02		328.57
367.05	44.192	328.63
367.14	44.191	328.75
367.24	44.19	328.81
367.34	44.191	
367.44	44.193	328.77
367.54	44.197	328.69
367.64	44.202	328.58
367.74	44.209	328.44
367.84	44.216	328.27
367.94	44.224	328.07
368.	44.229	327.94
368.01	44.23	327.92
368.02		327.91
368.05	44.233	327.87
368.14	44.241	327.81
368.24	44.249	327.78
368.34	44.257	
368.44	44.265	327.8
368.54	44.271	327.83
368.64	44.277	327.89
368.74	44.282	327.95
368.84	44.285	328.03
368.94	44.288	328.13
369.	44.289	328.18
369.01		328.19
369.02		328.2
369.05	44.29	328.21
369.14	44.291	328.24
369.24		
369.34	44.29	328.23
369.44	44.289	328.2
369.54	44.287	328.17
369.64	44.285	328.13
369.74	44.283	328.08
369.84	44.28	328.02
369.94	44.277	327.95
370.	44.275	327.91
370.01		327.9
370.02	44.274	327.89
370.05	44.273	327.88
370.14	44.27	327.85
370.24	44.266	327.82
370.34	44.261	327.79
370.44	44.255	327.77
370.54	44.249	327.76
370.64	44.243	327.75
370.74	44.236	327.74
370.84	44.228	327.73
370.94	44.219	327.72
371.	44.214	
371.01	44.213	
371.02	44.212	
371.05	44.21	327.71
371.14	44.201	327.66
371.24	44.191	327.6

371.34	44.18	327.53
371.44	44.168	327.45
371.54	44.156	327.35
371.64	44.144	327.26
371.74	44.131	327.15
371.84	44.117	327.04
371.94	44.103	326.94
372.	44.094	326.88
372.01	44.092	326.87
372.02	44.091	326.86
372.05	44.086	326.84
372.14	44.073	326.82
372.24	44.057	326.86
372.34	44.041	326.93
372.44	44.024	327.02
372.54	44.008	327.14
372.64	43.991	327.28
372.74	43.974	327.43
372.84	43.957	327.6
372.94	43.94	327.79
373.	43.93	327.91
373.01	43.929	327.92
373.02	43.927	327.94
373.05	43.922	327.97
373.14	43.908	328.01
373.24	43.892	328.02
373.34	43.877	328.
373.44	43.862	327.96
373.54	43.849	327.89
373.64	43.836	327.81
373.74	43.823	327.71
373.84	43.812	327.6
373.94	43.8	327.47
374.	43.794	327.39
374.01	43.793	327.38
374.02	43.792	327.37
374.05	43.788	327.35
374.14	43.779	327.32
374.24	43.768	327.31
374.34	43.758	327.32
374.44	43.748	327.34
374.54	43.737	327.38
374.64	43.726	327.43
374.74	43.715	327.49
374.84	43.703	327.56
374.94	43.692	327.63
375.	43.685	327.69
375.01	43.683	
375.02	43.682	327.7
375.05	43.679	327.72
375.14	43.668	327.77
375.24	43.657	327.82
375.34	43.645	327.87
375.44	43.634	327.92
375.54	43.623	327.96
375.64	43.613	328.
375.74	43.603	328.04
375.84	43.594	328.09
375.94	43.585	328.13
376.	43.58	328.15

376.01	43.579	328.16
376.02	43.578	
376.05	43.576	328.17
376.14	43.568	328.18
376.24	43.561	328.19
376.34	43.554	
376.44	43.547	
376.54	43.541	328.18
376.64	43.534	328.17
376.74	43.528	328.15
376.84	43.523	328.13
376.94	43.517	328.11
377.	43.513	328.09
377.01		
377.02	43.512	
377.05	43.511	328.08
377.14	43.505	328.06
377.24	43.5	328.03
377.34	43.494	328.
377.44	43.488	327.97
377.54	43.481	327.94
377.64	43.475	327.91
377.74	43.468	327.87
377.84	43.461	327.84
377.94	43.453	327.8
378.	43.449	327.78
378.01	43.448	
378.02	43.447	
378.05	43.445	
378.14	43.438	327.84
378.24	43.43	327.93
378.34	43.422	328.04
378.44	43.414	328.18
378.54	43.406	328.33
378.64	43.399	328.5
378.74	43.391	328.69
378.84	43.385	328.89
378.94	43.378	329.11
379.	43.375	329.24
379.01	43.374	329.26
379.02		329.28
379.05	43.372	329.32
379.14	43.368	329.42
379.24	43.364	329.49
379.34	43.361	329.54
379.44	43.358	329.58
379.54	43.357	329.59
379.64		
379.74		329.58
379.84	43.359	329.55
379.94	43.361	329.51
380.	43.363	329.49
380.01		329.48
380.02		
380.05	43.364	329.47
380.14	43.367	329.45
380.24	43.37	329.43
380.34	43.374	329.41
380.44	43.377	329.39
380.54	43.381	329.37

380.64	43.384	329.36
380.74	43.387	329.34
380.84	43.389	329.32
380.94	43.39	329.3
381.	43.391	329.29
381.01		329.28
381.02	43.392	
381.05		
381.14		
381.24	43.393	329.27
381.34	43.392	329.28
381.44	43.391	
381.54	43.39	329.29
381.64	43.388	329.3
381.74	43.386	329.31
381.84	43.383	329.32
381.94	43.38	329.33
382.	43.378	329.34
382.01		329.35
382.02	43.377	
382.05	43.376	329.36
382.14	43.373	329.41
382.24	43.369	329.49
382.34	43.366	329.57
382.44	43.362	329.67
382.54	43.358	329.77
382.64	43.354	329.88
382.74	43.351	330.01
382.84	43.348	330.13
382.94	43.345	330.27
383.	43.343	330.35
383.01		330.36
383.02		330.38
383.05	43.342	330.41
383.14	43.34	330.5
383.24	43.339	330.6
383.34	43.338	330.68
383.44		330.77
383.54		330.84
383.64	43.34	330.92
383.74	43.342	330.99
383.84	43.344	331.06
383.94	43.347	331.12
384.	43.35	331.16
384.01		331.17
384.02		
384.05	43.351	331.19
384.14	43.355	331.2
384.24	43.36	331.21
384.34	43.365	331.2
384.44	43.37	331.18
384.54	43.375	331.16
384.64	43.38	331.12
384.74	43.385	331.08
384.84	43.39	331.02
384.94	43.395	330.97
385.	43.398	330.93
385.01		
385.02		330.92
385.05	43.4	330.94

385.14	43.404	331.03
385.24	43.408	331.18
385.34	43.412	331.37
385.44	43.417	331.6
385.54	43.421	331.86
385.64	43.425	332.14
385.74	43.43	332.45
385.84	43.435	332.78
385.94	43.441	333.13
386.	43.445	333.35
386.01		333.38
386.02	43.446	333.41
386.05	43.448	333.49
386.14	43.455	333.64
386.24	43.463	333.76
386.34	43.472	333.84
386.44	43.482	333.89
386.54	43.494	333.91
386.64	43.506	333.9
386.74	43.52	333.87
386.84	43.535	333.82
386.94	43.551	333.75
387.	43.56	333.7
387.01	43.562	333.69
387.02	43.564	
387.05	43.568	333.67
387.14	43.583	333.62
387.24	43.6	333.56
387.34	43.616	333.5
387.44	43.632	333.44
387.54	43.647	333.37
387.64	43.661	333.3
387.74	43.674	333.23
387.84	43.686	333.16
387.94	43.696	333.08
388.	43.702	333.03
388.01	43.703	333.02
388.02	43.704	
388.05	43.707	333.
388.14	43.714	332.96
388.24	43.72	332.92
388.34	43.726	332.9
388.44	43.729	332.87
388.54	43.732	332.85
388.64	43.733	332.84
388.74		332.83
388.84	43.732	332.82
388.94	43.73	
389.	43.728	
389.01		
389.02	43.727	
389.05	43.726	332.83
389.14	43.723	332.91
389.24	43.718	333.03
389.34	43.714	333.18
389.44	43.709	333.34
389.54	43.703	333.52
389.64	43.698	333.72
389.74	43.693	333.94
389.84	43.688	334.17

389.94	43.684	334.42
390.	43.682	334.57
390.01	43.681	334.59
390.02		334.61
390.05	43.68	334.66
390.14	43.677	334.74
390.24	43.675	334.79
390.34	43.673	334.81
390.44	43.672	334.8
390.54		334.76
390.64	43.673	334.7
390.74	43.674	334.62
390.84	43.676	334.52
390.94	43.678	334.41
391.	43.68	334.33
391.01		334.32
391.02		334.31
391.05	43.681	334.29
391.14	43.683	334.23
391.24	43.686	334.18
391.34	43.688	334.14
391.44	43.689	334.1
391.54	43.69	334.08
391.64		334.05
391.74	43.689	334.03
391.84	43.687	334.01
391.94	43.684	334.
392.	43.682	333.99
392.01		
392.02	43.681	
392.05	43.68	333.98
392.14	43.676	333.97
392.24	43.671	333.96
392.34	43.664	
392.44	43.657	333.95
392.54	43.65	
392.64	43.642	333.94
392.74	43.633	
392.84	43.624	333.93
392.94	43.614	
393.	43.608	
393.01	43.607	
393.02	43.606	
393.05	43.603	
393.14	43.594	
393.24	43.583	333.92
393.34	43.572	
393.44	43.561	
393.54	43.549	
393.64	43.538	333.91
393.74	43.526	
393.84	43.514	
393.94	43.502	
394.	43.494	333.9
394.01	43.493	
394.02	43.492	
394.05	43.488	
394.14	43.477	
394.24	43.464	
394.34	43.452	

394.44	43.439	
394.54	43.426	
394.64	43.414	333.89
394.74	43.401	
394.84	43.388	
394.94	43.375	
395.	43.367	
395.01	43.366	
395.02	43.364	
395.05	43.36	
395.14	43.349	
395.24	43.336	
395.34	43.323	
395.44	43.31	333.9
395.54	43.297	
395.64	43.284	
395.74	43.271	333.91
395.84	43.258	
395.94	43.245	
396.	43.237	333.92
396.01	43.236	
396.02	43.235	
396.05	43.231	
396.14	43.219	
396.24	43.206	333.93
396.34	43.194	333.94
396.44	43.181	333.95
396.54	43.169	333.96
396.64	43.156	333.97
396.74	43.144	
396.84	43.132	333.98
396.94	43.12	333.99
397.	43.112	334.
397.01	43.111	
397.02	43.11	
397.05	43.106	
397.14	43.096	334.01
397.24	43.084	
397.34	43.072	334.02
397.44	43.061	
397.54	43.049	
397.64	43.038	
397.74	43.027	
397.84	43.016	
397.94	43.004	334.01
398.	42.998	
398.01	42.997	
398.02	42.996	
398.05	42.992	
398.14	42.983	
398.24	42.972	
398.34	42.961	
398.44	42.95	
398.54	42.94	
398.64	42.929	
398.74	42.918	
398.84	42.908	
398.94	42.897	
399.	42.891	
399.01	42.89	

399.02	42.889	
399.05	42.886	
399.14	42.877	
399.24	42.866	
399.34	42.856	334.02
399.44	42.845	
399.54	42.835	
399.64	42.825	
399.74	42.815	334.03
399.84	42.805	
399.94	42.795	
400.	42.788	
400.01	42.787	
400.02	42.786	
400.05	42.783	
400.14	42.774	333.99
400.24	42.764	333.94
400.34	42.754	333.88
400.44	42.743	333.82
400.54	42.733	333.74
400.64	42.722	333.66
400.74	42.711	333.58
400.84	42.7	333.51
400.94	42.688	333.45
401.	42.681	333.42
401.01	42.68	333.41
401.02	42.679	
401.05	42.675	333.39
401.14	42.664	333.35
401.24	42.652	333.32
401.34	42.639	333.3
401.44	42.627	333.34
401.54	42.613	333.41
401.64	42.6	333.48
401.74	42.586	333.57
401.84	42.573	333.67
401.94	42.559	333.78
402.	42.551	333.85
402.01	42.55	333.86
402.02	42.549	333.87
402.05	42.545	333.89
402.14	42.533	333.93
402.24	42.52	333.95
402.34	42.507	333.96
402.44	42.495	
402.54	42.483	333.95
402.64	42.472	333.93
402.74	42.462	333.9
402.84	42.452	333.86
402.94	42.442	333.82
403.	42.437	333.79
403.01	42.436	333.78
403.02	42.435	
403.05	42.432	333.77
403.14	42.424	333.75
403.24	42.416	333.73
403.34	42.407	333.72
403.44	42.399	333.71
403.54	42.391	333.7
403.64	42.383	333.69

403.74	42.375	
403.84	42.366	333.68
403.94	42.358	
404.	42.353	
404.01	42.352	
404.02	42.351	
404.05	42.349	
404.14	42.341	333.67
404.24	42.332	
404.34	42.324	333.66
404.44	42.315	
404.54	42.306	333.65
404.64	42.297	333.64
404.74	42.289	
404.84	42.28	333.63
404.94	42.271	333.62
405.	42.266	
405.01	42.265	
405.02	42.264	
405.05	42.261	
405.14	42.254	333.61
405.24	42.245	333.6
405.34	42.236	333.58
405.44	42.227	333.57
405.54	42.219	333.56
405.64	42.21	333.54
405.74	42.201	333.53
405.84	42.192	333.51
405.94	42.184	333.5
406.	42.178	333.49
406.01		
406.02	42.177	
406.05	42.174	333.48
406.14	42.166	333.47
406.24	42.157	333.45
406.34	42.148	333.43
406.44	42.139	333.41
406.54	42.13	333.39
406.64	42.121	333.36
406.74	42.112	333.34
406.84	42.103	333.32
406.94	42.094	333.3
407.	42.088	333.28
407.01	42.087	
407.02	42.086	
407.05	42.084	333.27
407.14	42.075	333.26
407.24	42.066	333.24
407.34	42.056	333.22
407.44	42.047	333.21
407.54	42.037	333.19
407.64	42.027	333.18
407.74	42.017	333.16
407.84	42.008	333.15
407.94	41.998	333.13
408.	41.992	333.12
408.01	41.991	
408.02	41.99	
408.05	41.987	
408.14	41.978	333.11

408.24	41.968	333.1
408.34	41.958	333.09
408.44	41.948	333.08
408.54	41.938	333.07
408.64	41.928	333.06
408.74	41.918	
408.84	41.908	333.05
408.94	41.898	
409.	41.892	
409.01	41.891	
409.02	41.89	
409.05	41.887	
409.14	41.879	333.04
409.24	41.869	
409.34	41.859	
409.44	41.85	333.03
409.54	41.841	
409.64	41.832	
409.74	41.822	333.02
409.84	41.813	
409.94	41.805	
410.	41.799	
410.01	41.798	
410.02		
410.05	41.795	
410.14	41.787	333.01
410.24	41.779	333.
410.34	41.77	
410.44	41.762	332.99
410.54	41.754	332.98
410.64	41.746	332.97
410.74	41.738	332.96
410.84	41.73	332.95
410.94	41.722	332.94
411.	41.718	
411.01	41.717	
411.02	41.716	
411.05	41.714	
411.14	41.707	332.95
411.24	41.7	332.98
411.34	41.693	333.01
411.44	41.686	333.05
411.54	41.679	333.09
411.64	41.672	333.14
411.74	41.666	333.19
411.84	41.659	333.25
411.94	41.653	333.31
412.	41.65	333.35
412.01	41.649	333.36
412.02		
412.05	41.647	333.37
412.14	41.643	333.38
412.24	41.637	
412.34	41.633	333.37
412.44	41.628	333.34
412.54	41.624	333.31
412.64	41.62	333.28
412.74	41.616	333.23
412.84	41.613	333.18
412.94	41.61	333.12

413.	41.608	333.09
413.01	41.607	333.08
413.02		
413.05	41.606	333.06
413.14	41.603	333.
413.24	41.599	332.95
413.34	41.596	332.91
413.44	41.592	332.86
413.54	41.587	332.82
413.64	41.582	332.78
413.74	41.577	332.74
413.84	41.571	332.71
413.94	41.565	332.67
414.	41.561	332.66
414.01	41.56	332.65
414.02	41.559	
414.05	41.557	332.64
414.14	41.55	332.62
414.24	41.542	332.59
414.34	41.534	332.56
414.44	41.524	332.54
414.54	41.514	332.51
414.64	41.504	332.49
414.74	41.493	332.46
414.84	41.481	332.43
414.94	41.469	332.4
415.	41.461	332.38
415.01	41.46	
415.02	41.459	
415.05	41.455	332.37
415.14	41.443	332.34
415.24	41.43	332.31
415.34	41.416	332.29
415.44	41.402	332.26
415.54	41.388	332.23
415.64	41.374	332.2
415.74	41.359	332.17
415.84	41.345	332.14
415.94	41.33	332.1
416.	41.321	332.09
416.01	41.319	332.08
416.02	41.318	
416.05	41.314	332.07
416.14	41.3	332.04
416.24	41.286	332.02
416.34	41.271	331.99
416.44	41.257	331.96
416.54	41.243	331.93
416.64	41.23	331.91
416.74	41.216	331.89
416.84	41.204	331.91
416.94	41.192	331.97
417.	41.184	332.03
417.01	41.183	332.04
417.02	41.182	332.05
417.05	41.179	332.07
417.14	41.169	332.12
417.24	41.159	332.17
417.34	41.149	332.21
417.44	41.14	332.25

417.54	41.133	332.28
417.64	41.126	332.3
417.74	41.119	332.33
417.84	41.114	332.35
417.94	41.109	332.36
418.	41.107	332.37
418.01		
418.02	41.106	
418.05	41.105	
418.14	41.102	332.34
418.24	41.099	332.28
418.34	41.097	332.21
418.44	41.094	332.14
418.54	41.092	332.07
418.64	41.09	332.02
418.74	41.088	331.97
418.84	41.086	331.92
418.94	41.083	331.88
419.	41.081	331.86
419.01		331.85
419.02		
419.05	41.08	331.84
419.14	41.077	331.81
419.24	41.073	331.78
419.34	41.069	331.76
419.44	41.064	331.74
419.54	41.058	331.71
419.64	41.052	331.69
419.74	41.046	331.66
419.84	41.039	331.64
419.94	41.031	331.62
420.	41.026	331.61
420.01	41.025	331.6
420.02		
420.05	41.022	
420.14	41.015	331.58
420.24	41.006	331.56
420.34	40.997	331.54
420.44	40.988	331.52
420.54	40.979	331.5
420.64	40.97	331.48
420.74	40.961	331.47
420.84	40.952	331.45
420.94	40.943	331.43
421.	40.938	331.41
421.01	40.937	
421.02	40.936	
421.05	40.933	331.4
421.14	40.925	331.38
421.24	40.916	331.36
421.34	40.907	331.34
421.44	40.898	331.32
421.54	40.889	331.29
421.64	40.88	331.27
421.74	40.871	331.25
421.84	40.862	331.23
421.94	40.853	331.21
422.	40.848	331.2
422.01	40.847	331.19
422.02	40.846	

422.05	40.843	
422.14	40.835	331.17
422.24	40.827	331.15
422.34	40.818	331.14
422.44	40.809	331.12
422.54	40.801	331.1
422.64	40.792	331.08
422.74	40.784	331.07
422.84	40.776	331.05
422.94	40.768	331.03
423.	40.763	
423.01	40.762	331.01
423.02	40.761	
423.05	40.759	331.
423.14	40.752	330.98
423.24	40.744	330.96
423.34	40.736	330.94
423.44	40.728	330.91
423.54	40.72	330.89
423.64	40.713	330.87
423.74	40.705	330.86
423.84	40.698	330.85
423.94	40.691	330.88
424.	40.686	330.92
424.01		330.93
424.02	40.685	
424.05	40.683	330.95
424.14	40.677	330.97
424.24	40.671	330.98
424.34	40.665	
424.44	40.659	330.96
424.54	40.654	330.94
424.64	40.65	330.91
424.74	40.646	330.88
424.84	40.642	330.86
424.94	40.639	330.84
425.	40.637	330.82
425.01		
425.02	40.636	
425.05		330.81
425.14	40.633	330.79
425.24	40.63	330.77
425.34	40.627	330.75
425.44	40.625	330.73
425.54	40.622	330.72
425.64	40.618	330.7
425.74	40.615	330.68
425.84	40.611	330.66
425.94	40.607	330.64
426.	40.604	330.63
426.01		
426.02	40.603	
426.05	40.602	330.62
426.14	40.597	330.6
426.24	40.592	330.58
426.34	40.586	330.55
426.44	40.58	330.53
426.54	40.574	330.5
426.64	40.567	330.48
426.74	40.56	330.45

426.84	40.552	330.43
426.94	40.545	330.41
427.	40.54	330.39
427.01	40.539	
427.02		
427.05	40.536	330.38
427.14	40.529	330.36
427.24	40.521	330.34
427.34	40.513	330.32
427.44	40.504	330.3
427.54	40.496	330.27
427.64	40.487	330.25
427.74	40.479	330.23
427.84	40.47	330.2
427.94	40.462	330.18
428.	40.456	330.16
428.01	40.455	
428.02		
428.05	40.452	330.15
428.14	40.444	330.12
428.24	40.435	330.09
428.34	40.426	330.07
428.44	40.417	330.04
428.54	40.408	330.01
428.64	40.399	329.98
428.74	40.39	329.95
428.84	40.381	329.93
428.94	40.372	329.9
429.	40.366	329.89
429.01	40.365	
429.02	40.364	329.88
429.05	40.362	
429.14	40.353	329.86
429.24	40.344	329.83
429.34	40.336	329.81
429.44	40.327	329.79
429.54	40.318	329.77
429.64	40.31	329.75
429.74	40.302	329.73
429.84	40.294	329.71
429.94	40.286	329.68
430.	40.281	329.67
430.01	40.28	
430.02	40.279	329.66
430.05	40.277	
430.14	40.27	329.63
430.24	40.262	329.61
430.34	40.255	329.58
430.44	40.247	329.55
430.54	40.239	329.53
430.64	40.231	329.5
430.74	40.223	329.47
430.84	40.215	329.44
430.94	40.207	329.42
431.	40.202	329.4
431.01		
431.02	40.201	
431.05	40.198	329.39
431.14	40.191	329.37
431.24	40.183	329.35

431.34	40.175	329.32
431.44	40.168	329.3
431.54	40.16	329.28
431.64	40.152	329.26
431.74	40.145	329.24
431.84	40.138	329.21
431.94	40.131	329.19
432.	40.127	329.18
432.01	40.126	
432.02	40.125	
432.05	40.123	329.17
432.14	40.117	329.15
432.24	40.111	329.13
432.34	40.105	329.11
432.44	40.098	329.09
432.54	40.092	329.07
432.64	40.086	329.05
432.74	40.08	329.03
432.84	40.074	329.01
432.94	40.068	328.99
433.	40.065	328.97
433.01	40.064	
433.02		
433.05	40.062	328.96
433.14	40.057	328.94
433.24	40.051	328.92
433.34	40.045	328.9
433.44	40.04	328.88
433.54	40.034	328.86
433.64	40.029	328.84
433.74	40.023	328.82
433.84	40.018	328.8
433.94	40.012	328.78
434.	40.009	328.76
434.01	40.008	
434.02		
434.05	40.006	328.75
434.14	40.001	328.73
434.24	39.995	328.71
434.34	39.99	328.69
434.44	39.984	328.67
434.54	39.978	328.65
434.64	39.972	328.62
434.74	39.966	328.6
434.84	39.96	328.57
434.94	39.954	328.55
435.	39.95	328.53
435.01	39.949	
435.02		328.52
435.05	39.947	328.51
435.14	39.941	328.49
435.24	39.934	328.46
435.34	39.926	328.43
435.44	39.919	328.4
435.54	39.911	328.36
435.64	39.903	328.33
435.74	39.895	328.3
435.84	39.886	328.26
435.94	39.877	328.23
436.	39.872	328.21

436.01	39.871	
436.02	39.87	328.2
436.05	39.867	328.19
436.14	39.859	328.16
436.24	39.849	328.13
436.34	39.84	328.09
436.44	39.83	328.06
436.54	39.82	328.02
436.64	39.811	327.99
436.74	39.801	327.96
436.84	39.791	327.92
436.94	39.781	327.89
437.	39.775	327.87
437.01		
437.02	39.774	
437.05	39.771	327.86
437.14	39.762	327.83
437.24	39.753	327.8
437.34	39.743	327.77
437.44	39.734	327.74
437.54	39.725	327.71
437.64	39.716	327.68
437.74	39.707	327.65
437.84	39.699	327.62
437.94	39.69	327.59
438.	39.685	327.57
438.01	39.684	
438.02	39.683	
438.05	39.681	327.56
438.14	39.673	327.53
438.24	39.664	327.49
438.34	39.656	327.46
438.44	39.647	327.42
438.54	39.638	327.39
438.64	39.629	327.35
438.74	39.62	327.32
438.84	39.611	327.28
438.94	39.602	327.25
439.	39.596	327.22
439.01	39.595	
439.02	39.594	
439.05	39.592	327.21
439.14	39.583	327.17
439.24	39.574	327.14
439.34	39.564	327.1
439.44	39.555	327.07
439.54	39.545	327.03
439.64	39.535	326.99
439.74	39.526	326.96
439.84	39.516	326.92
439.94	39.506	326.88
440.	39.5	326.86
440.01	39.499	
440.02	39.498	326.85
440.05	39.496	326.84
440.14	39.487	326.81
440.24	39.477	326.77
440.34	39.467	326.73
440.44	39.458	326.69
440.54	39.448	326.66

440.64	39.438	326.62
440.74	39.428	326.58
440.84	39.418	326.54
440.94	39.408	326.5
441.	39.402	326.48
441.01	39.401	
441.02	39.4	326.47
441.05	39.398	326.46
441.14	39.389	326.43
441.24	39.379	326.39
441.34	39.369	326.35
441.44	39.359	326.31
441.54	39.349	326.27
441.64	39.339	326.23
441.74	39.329	326.19
441.84	39.32	326.15
441.94	39.31	326.11
442.	39.304	326.09
442.01	39.303	
442.02	39.302	326.08
442.05	39.299	326.07
442.14	39.29	326.04
442.24	39.28	326.
442.34	39.271	325.96
442.44	39.261	325.92
442.54	39.252	325.88
442.64	39.242	325.84
442.74	39.233	325.8
442.84	39.223	325.76
442.94	39.214	325.72
443.	39.208	325.7
443.01	39.207	
443.02	39.206	325.69
443.05	39.203	325.68
443.14	39.195	325.65
443.24	39.186	325.61
443.34	39.177	325.57
443.44	39.168	325.53
443.54	39.159	325.49
443.64	39.15	325.45
443.74	39.141	325.42
443.84	39.132	325.38
443.94	39.123	325.34
444.	39.118	325.32
444.01	39.117	325.31
444.02	39.116	
444.05	39.114	325.3
444.14	39.106	325.26
444.24	39.098	325.23
444.34	39.089	325.19
444.44	39.081	325.15
444.54	39.072	325.11
444.64	39.064	325.07
444.74	39.056	325.04
444.84	39.047	325.
444.94	39.039	324.96
445.	39.034	324.94
445.01		324.93
445.02	39.033	
445.05	39.03	324.92

445.14	39.023	324.89
445.24	39.015	324.85
445.34	39.007	324.81
445.44	39.	324.77
445.54	38.992	324.74
445.64	38.984	324.7
445.74	38.977	324.66
445.84	38.97	324.63
445.94	38.962	324.59
446.	38.958	324.57
446.01		
446.02	38.957	
446.05	38.955	324.56
446.14	38.949	324.53
446.24	38.942	324.49
446.34	38.936	324.46
446.44	38.929	324.43
446.54	38.923	324.4
446.64	38.918	324.37
446.74	38.912	324.34
446.84	38.907	324.31
446.94	38.902	324.28
447.	38.899	324.26
447.01	38.898	
447.02		
447.05	38.896	324.25
447.14	38.892	324.22
447.24	38.887	324.19
447.34	38.883	324.16
447.44	38.879	324.14
447.54	38.874	324.11
447.64	38.87	324.08
447.74	38.866	324.05
447.84	38.862	324.02
447.94	38.858	323.99
448.	38.856	323.97
448.01		
448.02	38.855	
448.05	38.854	323.96
448.14	38.851	323.93
448.24	38.847	323.9
448.34	38.843	323.88
448.44	38.839	323.85
448.54	38.835	323.82
448.64	38.831	323.78
448.74	38.827	323.75
448.84	38.823	323.72
448.94	38.819	323.69
449.	38.816	323.67
449.01		
449.02	38.815	323.66
449.05	38.814	323.65
449.14	38.81	323.62
449.24	38.805	323.59
449.34	38.801	323.56
449.44	38.796	323.52
449.54	38.79	323.49
449.64	38.785	323.45
449.74	38.78	323.41
449.84	38.774	323.38

449.94	38.768	323.34
450.	38.765	323.32
450.01	38.764	323.31
450.02	38.763	
450.05	38.762	323.3
450.14	38.756	323.27
450.24	38.75	323.23
450.34	38.743	323.19
450.44	38.737	323.16
450.54	38.73	323.12
450.64	38.724	323.08
450.74	38.717	323.04
450.84	38.71	323.01
450.94	38.703	322.97
451.	38.699	322.95
451.01		322.94
451.02	38.698	
451.05	38.696	322.93
451.14	38.69	322.89
451.24	38.683	322.86
451.34	38.676	322.82
451.44	38.669	322.78
451.54	38.662	322.74
451.64	38.655	322.71
451.74	38.648	322.67
451.84	38.641	322.63
451.94	38.634	322.6
452.	38.63	322.57
452.01	38.629	
452.02		
452.05	38.626	322.55
452.14	38.62	322.52
452.24	38.613	322.48
452.34	38.606	322.44
452.44	38.599	322.41
452.54	38.592	322.37
452.64	38.585	322.33
452.74	38.579	322.29
452.84	38.572	322.26
452.94	38.565	322.22
453.	38.561	322.2
453.01	38.56	322.19
453.02	38.559	
453.05	38.557	322.18
453.14	38.551	322.14
453.24	38.544	322.11
453.34	38.537	322.07
453.44	38.531	322.03
453.54	38.524	321.99
453.64	38.517	321.96
453.74	38.51	321.92
453.84	38.504	321.88
453.94	38.497	321.84
454.	38.493	321.82
454.01	38.492	
454.02		321.81
454.05	38.49	321.8
454.14	38.484	321.77
454.24	38.477	321.73
454.34	38.47	321.69

454.44	38.464	321.65
454.54	38.457	321.62
454.64	38.451	321.58
454.74	38.444	321.54
454.84	38.437	321.5
454.94	38.431	321.46
455.	38.427	321.44
455.01	38.426	
455.02		321.43
455.05	38.424	321.42
455.14	38.418	321.39
455.24	38.412	321.35
455.34	38.405	321.31
455.44	38.399	321.28
455.54	38.392	321.24
455.64	38.386	321.2
455.74	38.38	321.16
455.84	38.373	321.13
455.94	38.367	321.09
456.	38.363	321.07
456.01		321.06
456.02	38.362	
456.05	38.36	321.05
456.14	38.354	321.01
456.24	38.348	320.98
456.34	38.342	320.94
456.44	38.336	320.9
456.54	38.33	320.86
456.64	38.324	320.83
456.74	38.318	320.79
456.84	38.312	320.75
456.94	38.306	320.72
457.	38.303	320.7
457.01	38.302	320.69
457.02		
457.05	38.3	320.68
457.14	38.295	320.65
457.24	38.29	320.62
457.34	38.284	320.58
457.44	38.279	320.55
457.54	38.274	320.51
457.64	38.269	320.48
457.74	38.264	320.45
457.84	38.259	320.41
457.94	38.254	320.38
458.	38.251	320.36
458.01		320.35
458.02	38.25	
458.05	38.249	320.34
458.14	38.245	320.31
458.24	38.24	320.27
458.34	38.235	320.24
458.44	38.23	320.2
458.54	38.226	320.17
458.64	38.221	320.13
458.74	38.216	320.1
458.84	38.211	320.06
458.94	38.207	320.03
459.	38.204	320.01
459.01	38.203	320.

459.02		
459.05	38.201	319.99
459.14	38.197	319.96
459.24	38.192	319.92
459.34	38.188	319.89
459.44	38.183	319.86
459.54	38.178	319.82
459.64	38.174	319.79
459.74	38.169	319.76
459.84	38.165	319.72
459.94	38.16	319.69
460.	38.157	319.67
460.01		319.66
460.02	38.156	
460.05	38.155	319.65
460.14	38.151	319.62
460.24	38.146	319.58
460.34	38.142	319.55
460.44	38.137	319.51
460.54	38.133	319.48
460.64	38.128	319.44
460.74	38.123	319.41
460.84	38.119	319.37
460.94	38.114	319.34
461.	38.111	319.31
461.01		
461.02	38.11	
461.05	38.109	319.3
461.14	38.104	319.27
461.24	38.1	319.23
461.34	38.095	319.2
461.44	38.09	319.17
461.54	38.086	319.13
461.64	38.081	319.1
461.74	38.076	319.06
461.84	38.072	319.03
461.94	38.067	318.99
462.	38.064	318.97
462.01		
462.02	38.063	
462.05	38.062	318.96
462.14	38.058	318.92
462.24	38.053	318.89
462.34	38.049	318.85
462.44	38.044	318.82
462.54	38.039	318.78
462.64	38.034	318.74
462.74	38.029	318.71
462.84	38.024	318.67
462.94	38.019	318.63
463.	38.016	318.61
463.01	38.015	
463.02		318.6
463.05	38.013	318.59
463.14	38.008	318.56
463.24	38.003	318.52
463.34	37.998	318.49
463.44	37.993	318.45
463.54	37.987	318.41
463.64	37.982	318.37

463.74	37.976	318.34
463.84	37.971	318.3
463.94	37.966	318.27
464.	37.963	318.25
464.01	37.962	318.24
464.02		
464.05	37.96	318.23
464.14	37.956	318.2
464.24	37.951	318.16
464.34	37.946	318.13
464.44	37.941	318.09
464.54	37.936	318.06
464.64	37.931	318.03
464.74	37.927	317.99
464.84	37.922	317.96
464.94	37.918	317.93
465.	37.915	317.91
465.01		
465.02	37.914	317.9
465.05	37.913	317.89
465.14	37.909	317.86
465.24	37.905	317.83
465.34	37.901	317.8
465.44	37.897	317.77
465.54	37.893	317.73
465.64	37.889	317.7
465.74	37.885	317.67
465.84	37.881	317.63
465.94	37.877	317.6
466.	37.874	317.58
466.01		
466.02		317.57
466.05	37.872	317.56
466.14	37.869	317.53
466.24	37.865	317.5
466.34	37.86	317.46
466.44	37.856	317.43
466.54	37.852	317.39
466.64	37.847	317.36
466.74	37.843	317.32
466.84	37.839	317.29
466.94	37.834	317.25
467.	37.831	317.23
467.01		317.22
467.02	37.83	
467.05	37.829	317.21
467.14	37.825	317.18
467.24	37.82	317.14
467.34	37.815	317.11
467.44	37.81	317.07
467.54	37.805	317.03
467.64	37.801	317.
467.74	37.796	316.96
467.84	37.791	316.93
467.94	37.786	316.89
468.	37.783	316.88
468.01		316.87
468.02	37.782	
468.05	37.781	316.86
468.14	37.777	316.83

468.24	37.772	316.8
468.34	37.768	316.77
468.44	37.763	316.74
468.54	37.759	316.71
468.64	37.754	316.68
468.74	37.75	316.65
468.84	37.746	316.62
468.94	37.742	316.59
469.	37.739	316.57
469.01		
469.02		
469.05	37.737	316.56
469.14	37.734	316.53
469.24	37.73	316.5
469.34	37.726	316.47
469.44	37.722	316.45
469.54	37.718	316.42
469.64	37.715	316.39
469.74	37.711	316.36
469.84	37.707	316.32
469.94	37.703	316.29
470.	37.701	316.28
470.01	37.7	316.27
470.02		
470.05	37.699	316.26
470.14	37.695	316.23
470.24	37.691	316.2
470.34	37.687	316.17
470.44	37.683	316.14
470.54	37.679	316.11
470.64	37.675	316.08
470.74	37.671	316.04
470.84	37.667	316.01
470.94	37.663	315.98
471.	37.66	315.96
471.01		
471.02		
471.05	37.658	315.95
471.14	37.655	315.92
471.24	37.65	315.89
471.34	37.646	315.86
471.44	37.642	315.83
471.54	37.638	315.8
471.64	37.634	315.77
471.74	37.63	315.74
471.84	37.626	315.71
471.94	37.621	315.68
472.	37.619	315.66
472.01		
472.02	37.618	
472.05	37.617	315.65
472.14	37.613	315.62
472.24	37.609	315.59
472.34	37.605	315.56
472.44	37.601	315.52
472.54	37.597	315.49
472.64	37.592	315.46
472.74	37.588	315.43
472.84	37.584	315.4
472.94	37.579	315.37

473.	37.577	315.35
473.01	37.576	315.34
473.02		
473.05	37.574	315.33
473.14	37.57	315.3
473.24	37.566	315.27
473.34	37.561	315.24
473.44	37.557	315.21
473.54	37.552	315.18
473.64	37.548	315.14
473.74	37.543	315.11
473.84	37.538	315.08
473.94	37.534	315.05
474.	37.531	315.03
474.01	37.53	
474.02		315.02
474.05	37.529	315.01
474.14	37.524	314.98
474.24	37.52	314.95
474.34	37.515	314.92
474.44	37.51	314.89
474.54	37.506	314.86
474.64	37.501	314.83
474.74	37.496	314.79
474.84	37.492	314.76
474.94	37.487	314.73
475.	37.484	314.71
475.01		
475.02	37.483	314.7
475.05	37.482	314.69
475.14	37.478	314.67
475.24	37.473	314.63
475.34	37.468	314.6
475.44	37.463	314.57
475.54	37.459	314.54
475.64	37.454	314.5
475.74	37.449	314.47
475.84	37.444	314.44
475.94	37.44	314.41
476.	37.437	314.39
476.01	37.436	314.38
476.02		
476.05	37.434	314.37
476.14	37.43	314.34
476.24	37.425	314.31
476.34	37.421	314.28
476.44	37.416	314.25
476.54	37.411	314.21
476.64	37.406	314.18
476.74	37.402	314.15
476.84	37.397	314.12
476.94	37.392	314.08
477.	37.389	314.07
477.01		314.06
477.02	37.388	
477.05	37.387	314.05
477.14	37.383	314.02
477.24	37.378	313.99
477.34	37.374	313.96
477.44	37.369	313.92

477.54	37.364	313.89
477.64	37.36	313.86
477.74	37.355	313.83
477.84	37.351	313.8
477.94	37.347	313.77
478.	37.344	313.75
478.01		
478.02	37.343	313.74
478.05	37.342	313.73
478.14	37.338	313.71
478.24	37.334	313.68
478.34	37.33	313.65
478.44	37.326	313.62
478.54	37.322	313.59
478.64	37.318	313.56
478.74	37.314	313.52
478.84	37.31	313.49
478.94	37.306	313.46
479.	37.304	313.45
479.01	37.303	313.44
479.02		
479.05	37.302	313.43
479.14	37.298	313.4
479.24	37.295	313.37
479.34	37.291	313.34
479.44	37.287	313.31
479.54	37.283	313.28
479.64	37.279	313.25
479.74	37.276	313.22
479.84	37.272	313.18
479.94	37.268	313.15
480.	37.266	313.13
480.01	37.265	
480.02		
480.05	37.264	313.12
480.14	37.261	313.09
480.24	37.257	313.06
480.34	37.253	313.03
480.44	37.249	313.
480.54	37.246	312.97
480.64	37.242	312.94
480.74	37.239	312.91
480.84	37.235	312.88
480.94	37.232	312.85
481.	37.229	312.83
481.01		
481.02		
481.05	37.228	312.82
481.14	37.225	312.79
481.24	37.221	312.76
481.34	37.218	312.73
481.44	37.214	312.7
481.54	37.211	312.67
481.64	37.208	312.64
481.74	37.204	312.61
481.84	37.201	312.58
481.94	37.197	312.55
482.	37.195	312.53
482.01		
482.02		

482.05	37.193	312.52
482.14	37.19	312.49
482.24	37.187	312.46
482.34	37.183	312.43
482.44	37.18	312.4
482.54	37.176	312.37
482.64	37.172	312.33
482.74	37.168	312.3
482.84	37.165	312.27
482.94	37.161	312.24
483.	37.159	312.22
483.01	37.158	
483.02		
483.05	37.157	312.21
483.14	37.153	312.18
483.24	37.149	312.15
483.34	37.146	312.12
483.44	37.142	312.09
483.54	37.138	312.06
483.64	37.134	312.03
483.74	37.13	312.
483.84	37.126	311.97
483.94	37.123	311.93
484.	37.12	311.92
484.01		311.91
484.02		
484.05	37.118	311.9
484.14	37.115	311.87
484.24	37.111	311.84
484.34	37.107	311.81
484.44	37.103	311.78
484.54	37.099	311.75
484.64	37.095	311.72
484.74	37.091	311.68
484.84	37.087	311.65
484.94	37.083	311.62
485.	37.081	311.6
485.01	37.08	
485.02		311.59
485.05	37.079	
485.14	37.075	311.56
485.24	37.071	311.52
485.34	37.067	311.49
485.44	37.062	311.46
485.54	37.058	311.43
485.64	37.054	311.4
485.74	37.05	311.37
485.84	37.046	311.33
485.94	37.041	311.3
486.	37.039	311.28
486.01	37.038	
486.02		
486.05	37.037	311.27
486.14	37.033	311.24
486.24	37.029	311.21
486.34	37.024	311.18
486.44	37.02	311.15
486.54	37.016	311.11
486.64	37.012	311.08
486.74	37.007	311.05

486.84	37.003	311.02
486.94	36.999	310.99
487.	36.997	310.97
487.01	36.996	310.96
487.02		
487.05	36.994	310.95
487.14	36.991	310.92
487.24	36.986	310.89
487.34	36.982	310.86
487.44	36.978	310.83
487.54	36.974	310.8
487.64	36.969	310.76
487.74	36.965	310.73
487.84	36.961	310.7
487.94	36.957	310.67
488.	36.954	310.65
488.01		
488.02	36.953	310.64
488.05	36.952	310.63
488.14	36.948	310.6
488.24	36.944	310.57
488.34	36.939	310.54
488.44	36.935	310.51
488.54	36.931	310.47
488.64	36.926	310.44
488.74	36.922	310.41
488.84	36.917	310.38
488.94	36.913	310.34
489.	36.91	310.32
489.01		
489.02	36.909	
489.05	36.908	310.31
489.14	36.904	310.28
489.24	36.9	310.25
489.34	36.895	310.22
489.44	36.891	310.18
489.54	36.887	310.15
489.64	36.882	310.12
489.74	36.878	310.09
489.84	36.874	310.06
489.94	36.869	310.02
490.	36.867	310.
490.01	36.866	
490.02		
490.05	36.865	309.99
490.14	36.861	309.96
490.24	36.857	309.93
490.34	36.852	309.9
490.44	36.848	309.86
490.54	36.844	309.83
490.64	36.84	309.8
490.74	36.836	309.77
490.84	36.832	309.74
490.94	36.828	309.71
491.	36.825	309.69
491.01		309.68
491.02		
491.05	36.823	309.67
491.14	36.82	309.64
491.24	36.816	309.61

491.34	36.812	309.58
491.44	36.808	309.55
491.54	36.804	309.52
491.64	36.8	309.49
491.74	36.796	309.45
491.84	36.792	309.42
491.94	36.788	309.39
492.	36.786	309.37
492.01		
492.02	36.785	
492.05	36.784	309.36
492.14	36.781	309.33
492.24	36.777	309.3
492.34	36.773	309.27
492.44	36.77	309.24
492.54	36.766	309.21
492.64	36.762	309.17
492.74	36.759	309.14
492.84	36.755	309.11
492.94	36.752	309.08
493.	36.75	309.07
493.01		309.06
493.02	36.749	
493.05	36.748	309.05
493.14	36.745	309.03
493.24	36.742	309.
493.34	36.739	308.97
493.44	36.736	308.94
493.54	36.733	308.91
493.64	36.729	308.88
493.74	36.727	308.85
493.84	36.724	308.82
493.94	36.721	308.79
494.	36.719	308.77
494.01		
494.02	36.718	
494.05	36.717	308.76
494.14	36.715	308.73
494.24	36.712	308.7
494.34	36.709	308.67
494.44	36.706	308.64
494.54	36.703	308.61
494.64	36.7	308.58
494.74	36.697	308.55
494.84	36.694	308.52
494.94	36.691	308.49
495.	36.689	308.47
495.01	36.688	
495.02		308.46
495.05	36.687	308.45
495.14	36.684	308.43
495.24	36.681	308.39
495.34	36.677	308.36
495.44	36.674	308.33
495.54	36.67	308.3
495.64	36.667	308.27
495.74	36.663	308.24
495.84	36.66	308.21
495.94	36.656	308.18
496.	36.654	308.16

496.01		
496.02	36.653	308.15
496.05	36.652	308.14
496.14	36.649	308.11
496.24	36.645	308.08
496.34	36.642	308.05
496.44	36.638	308.02
496.54	36.634	307.99
496.64	36.63	307.96
496.74	36.627	307.93
496.84	36.623	307.9
496.94	36.619	307.86
497.	36.617	307.85
497.01	36.616	307.84
497.02		
497.05	36.615	307.83
497.14	36.611	307.8
497.24	36.607	307.77
497.34	36.604	307.74
497.44	36.6	307.7
497.54	36.596	307.67
497.64	36.592	307.64
497.74	36.588	307.61
497.84	36.584	307.58
497.94	36.58	307.54
498.	36.577	307.53
498.01		307.52
498.02	36.576	
498.05	36.575	307.51
498.14	36.571	307.48
498.24	36.567	307.45
498.34	36.563	307.42
498.44	36.559	307.39
498.54	36.555	307.36
498.64	36.551	307.32
498.74	36.547	307.29
498.84	36.544	307.26
498.94	36.54	307.23
499.	36.537	307.21
499.01		
499.02		
499.05	36.535	307.2
499.14	36.532	307.17
499.24	36.528	307.14
499.34	36.524	307.11
499.44	36.521	307.08
499.54	36.517	307.04
499.64	36.513	307.01
499.74	36.509	306.98
499.84	36.506	306.95
499.94	36.502	306.92
500.	36.5	306.9
500.01	36.499	
500.02		
500.05	36.498	306.89
500.14	36.494	306.86
500.24	36.491	306.83
500.34	36.487	306.8
500.44	36.483	306.76
500.54	36.48	306.73

500.64	36.476	306.7
500.74	36.472	306.67
500.84	36.469	306.64
500.94	36.465	306.61
501.	36.463	306.59
501.01		
501.02	36.462	306.58
501.05	36.461	306.57
501.14	36.458	306.55
501.24	36.454	306.52
501.34	36.451	306.48
501.44	36.447	306.45
501.54	36.444	306.42
501.64	36.44	306.39
501.74	36.436	306.36
501.84	36.433	306.33
501.94	36.429	306.3
502.	36.427	306.28
502.01		
502.02	36.426	306.27
502.05	36.425	306.26
502.14	36.422	306.24
502.24	36.418	306.2
502.34	36.415	306.17
502.44	36.411	306.14
502.54	36.407	306.11
502.64	36.403	306.08
502.74	36.4	306.05
502.84	36.396	306.02
502.94	36.392	305.98
503.	36.39	305.97
503.01		305.96
503.02	36.389	
503.05	36.388	305.95
503.14	36.385	305.92
503.24	36.381	305.89
503.34	36.378	305.86
503.44	36.374	305.83
503.54	36.37	305.8
503.64	36.367	305.77
503.74	36.363	305.74
503.84	36.36	305.71
503.94	36.356	305.68
504.	36.354	305.66
504.01		305.65
504.02	36.353	
504.05	36.352	305.64
504.14	36.349	305.61
504.24	36.346	305.58
504.34	36.342	305.55
504.44	36.339	305.52
504.54	36.335	305.49
504.64	36.332	305.46
504.74	36.329	305.43
504.84	36.325	305.4
504.94	36.322	305.37
505.	36.32	305.35
505.01		
505.02	36.319	
505.05	36.318	305.34

505.14	36.315	305.31
505.24	36.312	305.28
505.34	36.309	305.25
505.44	36.306	305.22
505.54	36.303	305.19
505.64	36.299	305.16
505.74	36.296	305.13
505.84	36.293	305.1
505.94	36.29	305.07
506.	36.288	305.05
506.01		
506.02	36.287	305.04
506.05	36.286	
506.14	36.283	305.01
506.24	36.28	304.98
506.34	36.277	304.95
506.44	36.274	304.92
506.54	36.271	304.89
506.64	36.267	304.86
506.74	36.264	304.83
506.84	36.261	304.8
506.94	36.258	304.77
507.	36.256	304.75
507.01	36.255	304.74
507.02		
507.05	36.254	304.73
507.14	36.251	304.7
507.24	36.248	304.67
507.34	36.245	304.64
507.44	36.242	304.61
507.54	36.238	304.58
507.64	36.235	304.55
507.74	36.232	304.52
507.84	36.229	304.49
507.94	36.226	304.46
508.	36.224	304.45
508.01	36.223	304.44
508.02		
508.05	36.222	304.43
508.14	36.219	304.4
508.24	36.216	304.37
508.34	36.213	304.34
508.44	36.21	304.31
508.54	36.206	304.28
508.64	36.203	304.25
508.74	36.2	304.22
508.84	36.197	304.19
508.94	36.194	304.16
509.	36.192	304.14
509.01		
509.02	36.191	
509.05	36.19	304.13
509.14	36.188	304.1
509.24	36.184	304.07
509.34	36.181	304.04
509.44	36.178	304.01
509.54	36.175	303.98
509.64	36.172	303.95
509.74	36.169	303.92
509.84	36.166	303.89

509.94	36.163	303.86
510.	36.161	303.85
510.01	36.16	303.84
510.02		
510.05	36.159	303.83
510.14	36.156	303.8
510.24	36.153	303.77
510.34	36.15	303.74
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510.54	36.144	303.68
510.64	36.141	303.65
510.74	36.138	303.62
510.84	36.135	303.59
510.94	36.131	303.56
511.	36.13	303.55
511.01	36.129	303.54
511.02		
511.05	36.128	303.53
511.14	36.125	303.5
511.24	36.122	303.47
511.34	36.119	303.44
511.44	36.116	303.41
511.54	36.113	303.38
511.64	36.11	303.35
511.74	36.106	303.32
511.84	36.103	303.29
511.94	36.1	303.26
512.	36.098	303.25
512.01		303.24
512.02		
512.05	36.097	303.23
512.14	36.094	303.2
512.24	36.091	303.17
512.34	36.087	303.14
512.44	36.084	303.11
512.54	36.081	303.08
512.64	36.078	303.05
512.74	36.075	303.02
512.84	36.071	302.99
512.94	36.068	302.96
513.	36.066	302.94
513.01		
513.02		
513.05	36.065	302.93
513.14	36.062	302.9
513.24	36.058	302.87
513.34	36.055	302.84
513.44	36.052	302.81
513.54	36.048	302.78
513.64	36.045	302.75
513.74	36.042	302.72
513.84	36.038	302.69
513.94	36.035	302.66
514.	36.033	302.64
514.01		
514.02	36.032	302.63
514.05	36.031	302.62
514.14	36.028	302.6
514.24	36.025	302.57
514.34	36.021	302.54

514.44	36.018	302.5
514.54	36.014	302.47
514.64	36.011	302.44
514.74	36.007	302.41
514.84	36.004	302.38
514.94	36.	302.35
515.	35.998	302.33
515.01		
515.02	35.997	
515.05	35.996	302.32
515.14	35.993	302.29
515.24	35.99	302.26
515.34	35.986	302.23
515.44	35.983	302.2
515.54	35.979	302.17
515.64	35.976	302.14
515.74	35.972	302.11
515.84	35.969	302.08
515.94	35.965	302.05
516.	35.963	302.03
516.01		302.02
516.02		
516.05	35.961	302.01
516.14	35.958	301.98
516.24	35.955	301.95
516.34	35.951	301.92
516.44	35.948	301.89
516.54	35.945	301.86
516.64	35.941	301.83
516.74	35.938	301.8
516.84	35.934	301.77
516.94	35.931	301.74
517.	35.929	301.72
517.01	35.928	
517.02		
517.05	35.927	301.71
517.14	35.924	301.68
517.24	35.92	301.65
517.34	35.917	301.62
517.44	35.913	301.59
517.54	35.91	301.56
517.64	35.907	301.52
517.74	35.903	301.49
517.84	35.9	301.46
517.94	35.896	301.43
518.	35.894	301.41
518.01		
518.02	35.893	
518.05	35.892	301.4
518.14	35.889	301.37
518.24	35.886	301.34
518.34	35.882	301.31
518.44	35.879	301.28
518.54	35.875	301.25
518.64	35.872	301.22
518.74	35.868	301.19
518.84	35.865	301.16
518.94	35.862	301.13
519.	35.86	301.11
519.01	35.859	

519.02		301.1
519.05	35.858	
519.14	35.855	301.07
519.24	35.852	301.04
519.34	35.848	301.01
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519.64	35.838	300.91
519.74	35.835	300.88
519.84	35.831	300.85
519.94	35.828	300.82
520.	35.826	300.8
520.01		
520.02	35.825	
520.05	35.824	300.79
520.14	35.821	300.76
520.24	35.818	300.73
520.34	35.814	300.7
520.44	35.811	300.67
520.54	35.807	300.64
520.64	35.804	300.61
520.74	35.8	300.58
520.84	35.797	300.54
520.94	35.793	300.51
521.	35.791	300.49
521.01		
521.02	35.79	
521.05	35.789	300.48
521.14	35.786	300.45
521.24	35.783	300.42
521.34	35.779	300.39
521.44	35.776	300.36
521.54	35.772	300.33
521.64	35.768	300.29
521.74	35.765	300.26
521.84	35.761	300.23
521.94	35.758	300.2
522.	35.755	300.18
522.01		
522.02		
522.05	35.754	300.17
522.14	35.75	300.14
522.24	35.747	300.11
522.34	35.743	300.08
522.44	35.739	300.04
522.54	35.736	300.01
522.64	35.732	299.98
522.74	35.728	299.95
522.84	35.725	299.92
522.94	35.721	299.89
523.	35.719	299.87
523.01	35.718	299.86
523.02		
523.05	35.717	299.85
523.14	35.714	299.82
523.24	35.71	299.79
523.34	35.706	299.76
523.44	35.703	299.73
523.54	35.699	299.7
523.64	35.695	299.67

523.74	35.691	299.63
523.84	35.688	299.6
523.94	35.684	299.57
524.	35.682	299.55
524.01	35.681	
524.02		
524.05	35.68	299.54
524.14	35.677	299.51
524.24	35.673	299.48
524.34	35.67	299.45
524.44	35.666	299.42
524.54	35.662	299.39
524.64	35.659	299.35
524.74	35.656	299.32
524.84	35.652	299.29
524.94	35.649	299.26
525.	35.647	299.24
525.01	35.646	
525.02		
525.05	35.645	299.23
525.14	35.642	299.2
525.24	35.639	299.17
525.34	35.635	299.14
525.44	35.632	299.11
525.54	35.629	299.08
525.64	35.626	299.05
525.74	35.623	299.02
525.84	35.62	298.99
525.94	35.617	298.96
526.	35.615	298.94
526.01	35.614	
526.02		
526.05	35.613	298.93
526.14	35.61	298.9
526.24	35.607	298.87
526.34	35.604	298.84
526.44	35.601	298.81
526.54	35.598	298.78
526.64	35.595	298.75
526.74	35.592	298.72
526.84	35.589	298.69
526.94	35.586	298.66
527.	35.584	298.64
527.01		
527.02	35.583	298.63
527.05		298.62
527.14	35.58	298.6
527.24	35.577	298.57
527.34	35.574	298.54
527.44	35.57	298.5
527.54	35.567	298.47
527.64	35.564	298.44
527.74	35.561	298.41
527.84	35.558	298.38
527.94	35.555	298.35
528.	35.553	298.33
528.01	35.552	
528.02		
528.05	35.551	298.32
528.14	35.548	298.29

528.24	35.545	298.26
528.34	35.542	298.23
528.44	35.538	298.2
528.54	35.535	298.17
528.64	35.532	298.14
528.74	35.529	298.11
528.84	35.526	298.08
528.94	35.522	298.04
529.	35.52	298.03
529.01		298.02
529.02		
529.05	35.519	298.01
529.14	35.516	297.98
529.24	35.513	297.95
529.34	35.509	297.92
529.44	35.506	297.89
529.54	35.503	297.86
529.64	35.5	297.83
529.74	35.497	297.8
529.84	35.493	297.77
529.94	35.49	297.74
530.	35.488	297.72
530.01		
530.02		297.71
530.05	35.487	
530.14	35.484	297.68
530.24	35.481	297.65
530.34	35.477	297.62
530.44	35.474	297.59
530.54	35.471	297.56
530.64	35.468	297.53
530.74	35.465	297.5
530.84	35.462	297.47
530.94	35.459	297.44
531.	35.457	297.42
531.01		
531.02	35.456	297.41
531.05	35.455	297.4
531.14	35.453	297.38
531.24	35.45	297.35
531.34	35.447	297.32
531.44	35.444	297.28
531.54	35.44	297.25
531.64	35.437	297.22
531.74	35.434	297.19
531.84	35.431	297.16
531.94	35.428	297.13
532.	35.427	297.12
532.01	35.426	297.11
532.02		
532.05	35.425	297.1
532.14	35.422	297.07
532.24	35.419	297.04
532.34	35.416	297.01
532.44	35.413	296.99
532.54	35.411	296.96
532.64	35.408	296.93
532.74	35.405	296.9
532.84	35.402	296.87
532.94	35.399	296.84

533.	35.397	296.82
533.01		
533.02		296.81
533.05	35.396	296.8
533.14	35.393	296.78
533.24	35.391	296.75
533.34	35.388	296.72
533.44	35.385	296.69
533.54	35.382	296.66
533.64	35.379	296.63
533.74	35.377	296.6
533.84	35.374	296.57
533.94	35.371	296.54
534.	35.369	296.52
534.01		
534.02		
534.05	35.368	296.51
534.14	35.365	296.48
534.24	35.363	296.45
534.34	35.36	296.42
534.44	35.357	296.39
534.54	35.354	296.36
534.64	35.351	296.33
534.74	35.348	296.3
534.84	35.345	296.27
534.94	35.342	296.24
535.	35.341	296.22
535.01	35.34	
535.02		
535.05	35.339	296.21
535.14	35.337	296.18
535.24	35.334	296.15
535.34	35.331	296.12
535.44	35.328	296.09
535.54	35.325	296.06
535.64	35.322	296.03
535.74	35.319	296.
535.84	35.316	295.97
535.94	35.313	295.94
536.	35.311	295.93
536.01		295.92
536.02		
536.05	35.31	295.91
536.14	35.307	295.88
536.24	35.304	295.85
536.34	35.301	295.82
536.44	35.298	295.8
536.54	35.296	295.77
536.64	35.293	295.74
536.74	35.29	295.71
536.84	35.287	295.68
536.94	35.284	295.65
537.	35.282	295.63
537.01		
537.02		295.62
537.05	35.281	295.61
537.14	35.278	295.59
537.24	35.275	295.56
537.34	35.272	295.53
537.44	35.27	295.5

537.54	35.267	295.47
537.64	35.264	295.44
537.74	35.261	295.41
537.84	35.258	295.38
537.94	35.256	295.35
538.	35.254	295.34
538.01		295.33
538.02	35.253	
538.05		295.32
538.14	35.25	295.3
538.24	35.247	295.27
538.34	35.245	295.24
538.44	35.242	295.21
538.54	35.239	295.18
538.64	35.236	295.15
538.74	35.234	295.12
538.84	35.231	295.09
538.94	35.228	295.06
539.	35.227	295.05
539.01	35.226	295.04
539.02		
539.05	35.225	295.03
539.14	35.223	295.
539.24	35.22	294.98
539.34	35.218	294.95
539.44	35.215	294.92
539.54	35.212	294.89
539.64	35.21	294.86
539.74	35.207	294.83
539.84	35.205	294.8
539.94	35.202	294.77
540.	35.2	294.76
540.01		294.75
540.02		
540.05	35.199	294.74
540.14	35.197	294.72
540.24	35.194	294.69
540.34	35.192	294.66
540.44	35.189	294.63
540.54	35.186	294.6
540.64	35.184	294.57
540.74	35.181	294.54
540.84	35.178	294.51
540.94	35.176	294.48
541.	35.174	294.47
541.01		294.46
541.02	35.173	
541.05		294.45
541.14	35.17	294.42
541.24	35.167	294.39
541.34	35.164	294.36
541.44	35.162	294.33
541.54	35.159	294.3
541.64	35.156	294.27
541.74	35.153	294.24
541.84	35.15	294.21
541.94	35.147	294.18
542.	35.145	294.17
542.01	35.144	294.16
542.02		

542.05	35.143	294.15
542.14	35.14	294.12
542.24	35.137	294.09
542.34	35.134	294.06
542.44	35.131	294.03
542.54	35.128	294.
542.64	35.124	293.97
542.74	35.121	293.94
542.84	35.118	293.91
542.94	35.115	293.88
543.	35.113	293.86
543.01		
543.02	35.112	
543.05	35.111	293.85
543.14	35.108	293.82
543.24	35.105	293.79
543.34	35.102	293.76
543.44	35.099	293.73
543.54	35.096	293.7
543.64	35.092	293.67
543.74	35.089	293.64
543.84	35.086	293.61
543.94	35.083	293.58
544.	35.081	293.57
544.01		293.56
544.02	35.08	
544.05		293.55
544.14	35.077	293.52
544.24	35.074	293.49
544.34	35.07	293.46
544.44	35.067	293.43
544.54	35.064	293.4
544.64	35.061	293.37
544.74	35.058	293.34
544.84	35.055	293.31
544.94	35.052	293.28
545.	35.05	293.27
545.01	35.049	293.26
545.02		
545.05	35.048	293.25
545.14	35.045	293.22
545.24	35.042	293.19
545.34	35.039	293.16
545.44	35.036	293.13
545.54	35.033	293.1
545.64	35.03	293.07
545.74	35.027	293.04
545.84	35.023	293.01
545.94	35.02	292.98
546.	35.018	292.97
546.01		292.96
546.02		
546.05	35.017	292.95
546.14	35.014	292.93
546.24	35.011	292.9
546.34	35.008	292.87
546.44	35.005	292.84
546.54	35.002	292.81
546.64	34.999	292.78
546.74	34.996	292.75

546.84	34.993	292.72
546.94	34.99	292.69
547.	34.988	292.67
547.01		
547.02		
547.05	34.987	292.66
547.14	34.984	292.63
547.24	34.981	292.6
547.34	34.978	292.57
547.44	34.975	292.54
547.54	34.972	292.51
547.64	34.97	292.48
547.74	34.967	292.45
547.84	34.964	292.42
547.94	34.961	292.4
548.	34.959	292.38
548.01		
548.02		292.37
548.05	34.958	292.36
548.14	34.955	292.34
548.24	34.952	292.31
548.34	34.95	292.28
548.44	34.947	292.25
548.54	34.944	292.22
548.64	34.941	292.19
548.74	34.938	292.16
548.84	34.936	292.13
548.94	34.933	292.1
549.	34.931	292.09
549.01		292.08
549.02		
549.05	34.93	292.07
549.14	34.927	292.05
549.24	34.925	292.02
549.34	34.922	291.99
549.44	34.919	291.96
549.54	34.916	291.93
549.64	34.914	291.9
549.74	34.911	291.87
549.84	34.908	291.84
549.94	34.905	291.81
550.	34.904	291.8
550.01		291.79
550.02	34.903	
550.05		291.78
550.14	34.9	291.76
550.24	34.897	291.73
550.34	34.895	291.7
550.44	34.892	291.67
550.54	34.889	291.64
550.64	34.887	291.61
550.74	34.884	291.58
550.84	34.882	291.55
550.94	34.879	291.53
551.	34.877	291.51
551.01		
551.02		291.5
551.05	34.876	291.49
551.14	34.874	291.47
551.24	34.871	291.44

551.34	34.868	291.41
551.44	34.866	291.38
551.54	34.863	291.35
551.64	34.86	291.32
551.74	34.858	291.29
551.84	34.855	291.27
551.94	34.852	291.24
552.	34.851	291.22
552.01		
552.02	34.85	291.21
552.05	34.849	291.2
552.14	34.847	291.18
552.24	34.844	291.15
552.34	34.842	291.12
552.44	34.839	291.09
552.54	34.836	291.06
552.64	34.834	291.03
552.74	34.831	291.01
552.84	34.828	290.98
552.94	34.826	290.95
553.	34.824	290.93
553.01		
553.02	34.823	
553.05		290.92
553.14	34.82	290.89
553.24	34.818	290.86
553.34	34.815	290.83
553.44	34.812	290.8
553.54	34.81	290.78
553.64	34.807	290.75
553.74	34.804	290.72
553.84	34.802	290.69
553.94	34.799	290.66
554.	34.797	290.64
554.01		
554.02		
554.05	34.796	290.63
554.14	34.794	290.6
554.24	34.791	290.58
554.34	34.788	290.55
554.44	34.786	290.52
554.54	34.783	290.49
554.64	34.78	290.46
554.74	34.778	290.43
554.84	34.775	290.4
554.94	34.772	290.37
555.	34.771	290.36
555.01		290.35
555.02	34.77	
555.05		290.34
555.14	34.767	290.32
555.24	34.765	290.29
555.34	34.762	290.26
555.44	34.759	290.23
555.54	34.757	290.2
555.64	34.754	290.17
555.74	34.751	290.15
555.84	34.749	290.12
555.94	34.746	290.09
556.	34.745	

556.01	34.744	290.07
556.02		
556.05	34.743	290.06
556.14	34.741	290.03
556.24	34.738	290.01
556.34	34.736	289.98
556.44	34.733	289.95
556.54	34.731	289.92
556.64	34.729	289.89
556.74	34.726	289.87
556.84	34.724	289.84
556.94	34.722	289.81
557.	34.72	289.8
557.01		289.79
557.02		
557.05	34.719	289.78
557.14	34.717	289.76
557.24	34.715	289.73
557.34	34.712	289.7
557.44	34.71	289.68
557.54	34.708	289.65
557.64	34.706	289.62
557.74	34.704	289.59
557.84	34.701	289.57
557.94	34.699	289.54
558.	34.698	289.52
558.01		
558.02	34.697	
558.05		289.51
558.14	34.695	289.48
558.24	34.693	289.46
558.34	34.691	289.43
558.44	34.688	289.4
558.54	34.686	289.38
558.64	34.684	289.35
558.74	34.682	289.32
558.84	34.68	289.29
558.94	34.678	289.27
559.	34.676	289.25
559.01		
559.02		
559.05	34.675	289.24
559.14	34.673	289.21
559.24	34.671	289.19
559.34	34.669	289.16
559.44	34.667	289.13
559.54	34.665	289.1
559.64	34.662	289.08
559.74	34.66	289.05
559.84	34.658	289.02
559.94	34.656	289.
560.	34.655	288.98
560.4	34.646	288.87
560.8	34.637	288.76
562.	34.61	288.44
565.6	34.523	287.47
569.6	34.425	286.41
573.6	34.328	285.36
577.6	34.231	284.31
581.6	34.135	283.27

585.6	34.039	282.24
589.6	33.945	281.22
593.6	33.853	280.2
597.6	33.761	279.19
600.	33.707	278.59
606.	33.571	277.1
612.	33.437	275.64
630.	33.036	271.48
684.	32.088	259.8
738.	31.234	248.96
798.	30.395	237.86
858.	29.653	227.64
918.	28.994	218.12
978.	28.404	209.26
1038.	27.875	200.98
1098.	27.398	193.2
1158.	26.966	185.9
1200.	26.684	181.
1212.	26.6	179.62
1224.	26.519	178.26
1260.	26.305	174.31
1296.	26.099	170.49
1404.	25.562	160.09
1512.	25.1	150.62
1632.	24.658	141.08
1752.	24.275	132.39
1872.	23.942	124.46
1992.	23.651	117.18
2112.	23.397	110.49
2232.	23.174	104.31
2352.	22.978	98.611
2400.	22.904	96.401
2412.	22.885	95.855
2424.	22.866	95.312
2460.	22.809	93.731
2568.	22.675	89.273
2676.	22.551	85.108
2796.	22.429	80.811
2916.	22.321	76.815
3036.	22.226	73.097
3156.	22.141	69.634
3276.	22.067	66.404
3396.	22.001	63.391
3516.	21.943	60.577
3600.	21.906	58.7
3612.	21.9	58.434
3624.	21.895	58.17
3660.	21.878	57.397
3768.	21.84	55.913
3876.	21.805	54.611
3996.	21.771	53.239
4116.	21.74	51.938
4236.	21.714	50.701
4356.	21.691	49.624
4476.	21.672	48.641
4596.	21.655	47.7
4716.	21.64	46.799
4800.	21.631	46.187
4812.	21.63	46.1
4824.	21.629	46.013
4860.		

	21.624	45.756
4968.	21.616	45.015
5076.	21.609	44.314
5196.	21.603	43.649
5316.	21.597	43.007
5436.	21.594	42.387
5556.	21.591	41.788
5676.	21.589	41.209
5796.		40.649
5916.		40.107
6000.	21.59	39.737
6012.		39.684
6024.		39.631
6060.	21.589	39.476
6168.	21.592	39.021
6276.	21.594	38.579
6396.	21.597	38.104
6516.	21.596	37.604
6636.	21.595	37.094
6756.	21.596	36.607
6876.	21.598	36.144
6996.	21.601	35.703
7116.	21.605	35.281
7200.	21.608	34.993

Material Data

Drum Contents

TABLE 28
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 29
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 30
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 31
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 32
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 33
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 34
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 35
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 36
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 37
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 38
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 39
Room Steel > Constants

Density	7854 kg m^-3

TABLE 40
Room Steel > Isotropic Thermal Conductivity

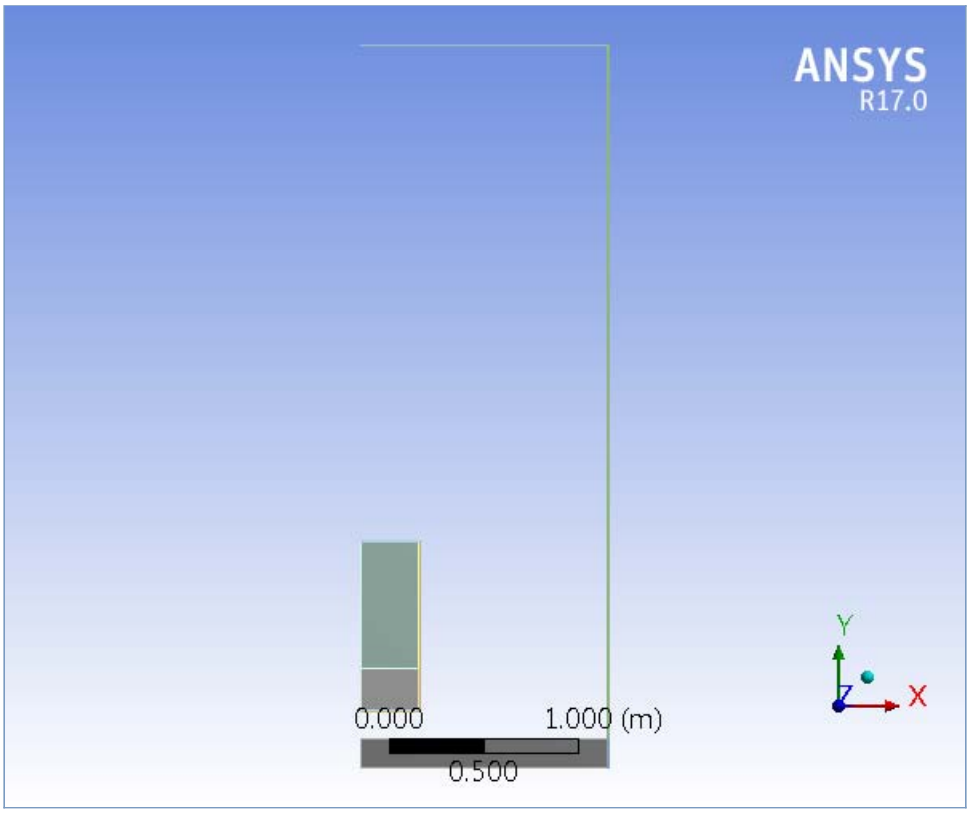
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 41
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (K4)

Geometry

TABLE 2
Model (K4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-23\DM\SYS-23.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	
Volume	N/A
Mass	N/A
Surface Area(approx.)	0.50726 m²
Scale Factor Value	1.
Statistics	
Bodies	18

Active Bodies	18
Nodes	6194
Elements	1792
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (K4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										
Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											

Nodes	821	205	40	161	2277	447	205	40	351	62	557
Elements	252	54	9	42	720	120	54	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (K4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed						
Graphics Properties							
Visible	Yes						
Transparency	1						
Definition							
Suppressed	No						
Stiffness Behavior	Flexible						
Coordinate System	Default Coordinate System						
Reference Temperature	By Environment						
Behavior	None						
Material							
Assignment	Room Steel		Drum Steel				
Nonlinear Effects	Yes						
Thermal Strain Effects	Yes						
Bounding Box							
Length X	6.35e-003 m	1.3035 m	0.30797 m	3.4036e-003 m			0.30797 m
Length Y	6.35e-003 m		3.4036e-003 m		0.89558 m	3.4037e-003 m	
Properties							
Volume	N/A						
Mass	N/A						
Centroid X	N/A						
Centroid Y	N/A						
Centroid Z	N/A						
Moment of Inertia Ip1	N/A						
Moment of Inertia Ip2	N/A						
Moment of Inertia Ip3	N/A						
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²	1.0482e-003 m²	1.1584e-005 m²	3.0482e-003 m²	1.1584e-005 m²	1.0482e-003 m²
Statistics							
Nodes	40	227	172	40	337	40	172
Elements	9	60	45	9	90	9	45
Mesh Metric	None						

Coordinate Systems

TABLE 5
Model (K4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m
Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (K4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	

Enabled	Yes

TABLE 7
Model (K4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.27e-004 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	18
Active Connections	18

TABLE 8
Model (K4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.27e-004 m										
Suppressed	No										
Advanced											
Formulation	Program Controlled										
Detection Method	Program Controlled										
Elastic Slip Tolerance	Program Controlled										
Thermal Conductance	Program Controlled										
Pinball Region	Program Controlled										
Geometric Modification											
Contact Geometry Correction	None										
Target Geometry Correction	None										

TABLE 9
Model (K4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*	*Contact Region 15*	*Contact Region 16*	*Contact Region 17*	*Contact Region 18*
State	Fully Defined						
Scope							

Scoping Method	Geometry Selection
Contact	1 Edge
Target	1 Edge
Contact Bodies	Surface Body
Target Bodies	Surface Body
Shell Thickness Effect	No
Definition	
Type	Bonded
Scope Mode	Automatic
Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	1.27e-004 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

Mesh

TABLE 10
Model (K4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes

Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	6194
Elements	1792
Mesh Metric	None

TABLE 11
Model (K4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Edge Sizing 10*	*Edge Sizing 11*
State	Fully Defined										
Scope											
Scoping Method	Named Selection										
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	SWB Thickness	SWB Horizontal Line
Definition											
Suppressed	No										
Type	Number of Divisions										
Number of Divisions	3	18	14	40	5	25	3	50	20	3	15
Behavior	Hard										
Bias Type	No Bias										

TABLE 12
Model (K4) > Mesh > Mesh Controls

Object Name	*Edge Sizing 12*	*Face Meshing*
State	Fully Defined	
Scope		
Scoping Method	Named Selection	Geometry Selection
Named Selection	SWB Verical Line	
Geometry		18 Faces
Definition		
Suppressed	No	
Type	Number of Divisions	
Number of Divisions	30	
Behavior	Hard	
Bias Type	No Bias	
Mapped Mesh		Yes
Method		Quadrilaterals
Constrain Boundary		No
Advanced		
Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 13
Model (K4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*	*SWB Thickness*	*SWB Horizontal Line*
State	Fully Defined										
Scope											
Scoping Method	Worksheet			Geometry Selection	Worksheet						
Geometry	8 Edges	4 Edges		1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges	
Definition											

Send to Solver	Yes									
Visible	Yes									
Program Controlled Inflation	Exclude									
Statistics										
Type	Manual									
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m	4.765e-002 m	1.2319 m
Suppressed	0									
Used by Mesh Worksheet	No									
Tolerance										
Tolerance Type	Program Controlled					Program Controlled				
Zero Tolerance	1.e-008					1.e-008				
Relative Tolerance	1.e-003					1.e-003				

TABLE 14
Model (K4) > Named Selections > Named Selections

Object Name	*SWB Verical Line*
State	Fully Defined
Scope	
Scoping Method	Worksheet
Geometry	2 Edges
Definition	
Send to Solver	Yes
Visible	Yes
Program Controlled Inflation	Exclude
Statistics	
Type	Manual
Total Selection	2 Edges
Length	1.7912 m
Suppressed	0
Used by Mesh Worksheet	No
Tolerance	
Tolerance Type	Program Controlled
Zero Tolerance	1.e-008
Relative Tolerance	1.e-003

Transient Thermal (K5)

TABLE 15
Model (K4) > Analysis

Object Name	*Transient Thermal (K5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 16
Model (K4) > Transient Thermal (K5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined
Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 17
Model (K4) > Transient Thermal (K5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	487.
Current Step Number	487.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	600.
Axisymmetry Divisions	240.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-23\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 18
Model (K4) > Transient Thermal (K5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			
12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			

20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s			
43	86. s			
44	88. s			
45	90. s	2.e-002 s	2.e-003 s	0.2 s
46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	141. s			
72	142. s			
73	143. s			
74	144. s			
75	145. s			
76	146. s			
77	147. s			
78	148. s			
79	149. s			
80	150. s			
81	151. s			
82	152. s			
83	153. s			
84	154. s			
85	155. s			

86	156. s
87	157. s
88	158. s
89	159. s
90	160. s
91	161. s
92	162. s
93	163. s
94	164. s
95	165. s
96	166. s
97	167. s
98	168. s
99	169. s
100	170. s
101	171. s
102	172. s
103	173. s
104	174. s
105	175. s
106	176. s
107	177. s
108	178. s
109	179. s
110	180. s
111	181. s
112	182. s
113	183. s
114	184. s
115	185. s
116	186. s
117	187. s
118	188. s
119	189. s
120	190. s
121	191. s
122	192. s
123	193. s
124	194. s
125	195. s
126	196. s
127	197. s
128	198. s
129	199. s
130	200. s
131	201. s
132	202. s
133	203. s
134	204. s
135	205. s
136	206. s
137	207. s
138	208. s
139	209. s
140	210. s
141	211. s
142	212. s
143	213. s
144	214. s
145	215. s
146	216. s
147	217. s
148	218. s
149	219. s
150	220. s
151	221. s

	222. s
153	223. s
154	224. s
155	225. s
156	226. s
157	227. s
158	228. s
159	229. s
160	230. s
161	231. s
162	232. s
163	233. s
164	234. s
165	235. s
166	236. s
167	237. s
168	238. s
169	239. s
170	240. s
171	241. s
172	242. s
173	243. s
174	244. s
175	245. s
176	246. s
177	247. s
178	248. s
179	249. s
180	250. s
181	251. s
182	252. s
183	253. s
184	254. s
185	255. s
186	256. s
187	257. s
188	258. s
189	259. s
190	260. s
191	261. s
192	262. s
193	263. s
194	264. s
195	265. s
196	266. s
197	267. s
198	268. s
199	269. s
200	270. s
201	271. s
202	272. s
203	273. s
204	274. s
205	275. s
206	276. s
207	277. s
208	278. s
209	279. s
210	280. s
211	281. s
212	282. s
213	283. s
214	284. s
215	285. s
216	286. s
217	287. s

	288. s
219	289. s
220	290. s
221	291. s
222	292. s
223	293. s
224	294. s
225	295. s
226	296. s
227	297. s
228	298. s
229	299. s
230	300. s
231	301. s
232	302. s
233	303. s
234	304. s
235	305. s
236	306. s
237	307. s
238	308. s
239	309. s
240	310. s
241	311. s
242	312. s
243	313. s
244	314. s
245	315. s
246	316. s
247	317. s
248	318. s
249	319. s
250	320. s
251	321. s
252	322. s
253	323. s
254	324. s
255	325. s
256	326. s
257	327. s
258	328. s
259	329. s
260	330. s
261	331. s
262	332. s
263	333. s
264	334. s
265	335. s
266	336. s
267	337. s
268	338. s
269	339. s
270	340. s
271	341. s
272	342. s
273	343. s
274	344. s
275	345. s
276	346. s
277	347. s
278	348. s
279	349. s
280	350. s
281	351. s
282	352. s
283	353. s

	354. s
285	355. s
286	356. s
287	357. s
288	358. s
289	359. s
290	360. s
291	361. s
292	362. s
293	363. s
294	364. s
295	365. s
296	366. s
297	367. s
298	368. s
299	369. s
300	370. s
301	371. s
302	372. s
303	373. s
304	374. s
305	375. s
306	376. s
307	377. s
308	378. s
309	379. s
310	380. s
311	381. s
312	382. s
313	383. s
314	384. s
315	385. s
316	386. s
317	387. s
318	388. s
319	389. s
320	390. s
321	391. s
322	392. s
323	393. s
324	394. s
325	395. s
326	396. s
327	397. s
328	398. s
329	399. s
330	400. s
331	401. s
332	402. s
333	403. s
334	404. s
335	405. s
336	406. s
337	407. s
338	408. s
339	409. s
340	410. s
341	411. s
342	412. s
343	413. s
344	414. s
345	415. s
346	416. s
347	417. s
348	418. s
349	419. s

	420. s
351	421. s
352	422. s
353	423. s
354	424. s
355	425. s
356	426. s
357	427. s
358	428. s
359	429. s
360	430. s
361	431. s
362	432. s
363	433. s
364	434. s
365	435. s
366	436. s
367	437. s
368	438. s
369	439. s
370	440. s
371	441. s
372	442. s
373	443. s
374	444. s
375	445. s
376	446. s
377	447. s
378	448. s
379	449. s
380	450. s
381	451. s
382	452. s
383	453. s
384	454. s
385	455. s
386	456. s
387	457. s
388	458. s
389	459. s
390	460. s
391	461. s
392	462. s
393	463. s
394	464. s
395	465. s
396	466. s
397	467. s
398	468. s
399	469. s
400	470. s
401	471. s
402	472. s
403	473. s
404	474. s
405	475. s
406	476. s
407	477. s
408	478. s
409	479. s
410	480. s
411	481. s
412	482. s
413	483. s
414	484. s
415	485. s

	486. s				
417	487. s				
418	488. s				
419	489. s				
420	490. s				
421	491. s				
422	492. s				
423	493. s				
424	494. s				
425	495. s				
426	496. s				
427	497. s				
428	498. s				
429	499. s				
430	500. s				
431	501. s				
432	502. s				
433	503. s				
434	504. s				
435	505. s				
436	506. s				
437	507. s				
438	508. s				
439	509. s				
440	510. s				
441	511. s				
442	512. s				
443	513. s				
444	514. s				
445	515. s				
446	516. s				
447	517. s				
448	518. s	1.e-002 s			
449	519. s				
450	520. s				
451	521. s				
452	522. s				
453	523. s				
454	524. s				
455	525. s				
456	526. s				
457	527. s				
458	528. s				
459	529. s				
460	530. s				
461	531. s				
462	532. s				
463	533. s				
464	534. s				
465	535. s				
466	536. s				
467	537. s				
468	538. s				
469	539. s				
470	540. s				
471	541. s				
472	542. s				
473	543. s				
474	544. s				
475	545. s				
476	546. s				
477	547. s				
478	548. s				
479	549. s				
480	550. s				

				1.e-003 s		

				0.1 s
481	600. s	0.5 s	5.e-002 s	5. s
482	1200. s	6. s	0.6 s	60. s
483	2400. s	12. s	1.2 s	120. s
484	3600. s			
485	4800. s			
486	6000. s			
487	7200. s			

TABLE 19
Model (K4) > Transient Thermal (K5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*	*Radiation 8*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Geometry	1 Edge	2 Edges	1 Edge	3 Edges	1 Edge	2 Edges	1 Edge	5 Edges		1 Edge	2 Edges
Definition											
Type	Temperature	Radiation						Convection	Heat Flux	Radiation	
Magnitude	22.25 °C (step applied)								Tabular Data		
Suppressed	No										
Correlation		Surface to Surface								Surface to Surface	
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			0.9 (step applied)	
Enclosure		1.								2.	
Enclosure Type		Perfect								Perfect	
Film Coefficient								Tabular Data			
Ambient Temperature								Tabular Data			
Convection Matrix								Program Controlled			
Edit Data For								Film Coefficient			
Tabular Data											
Independent Variable								Time			

FIGURE 1
Model (K4) > Transient Thermal (K5) > Temperature

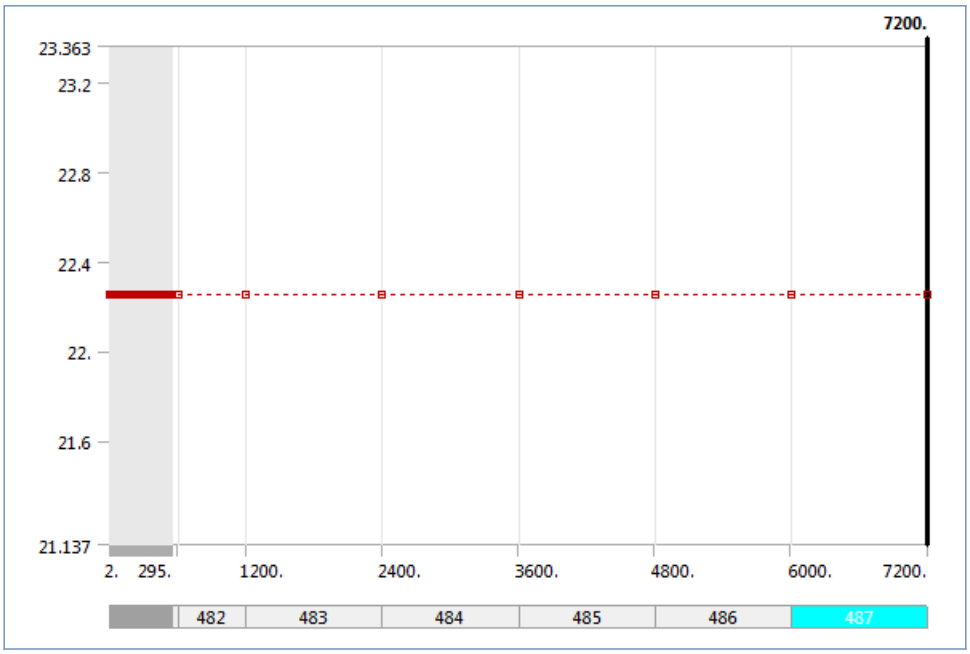


FIGURE 2
Model (K4) > Transient Thermal (K5) > Radiation 2

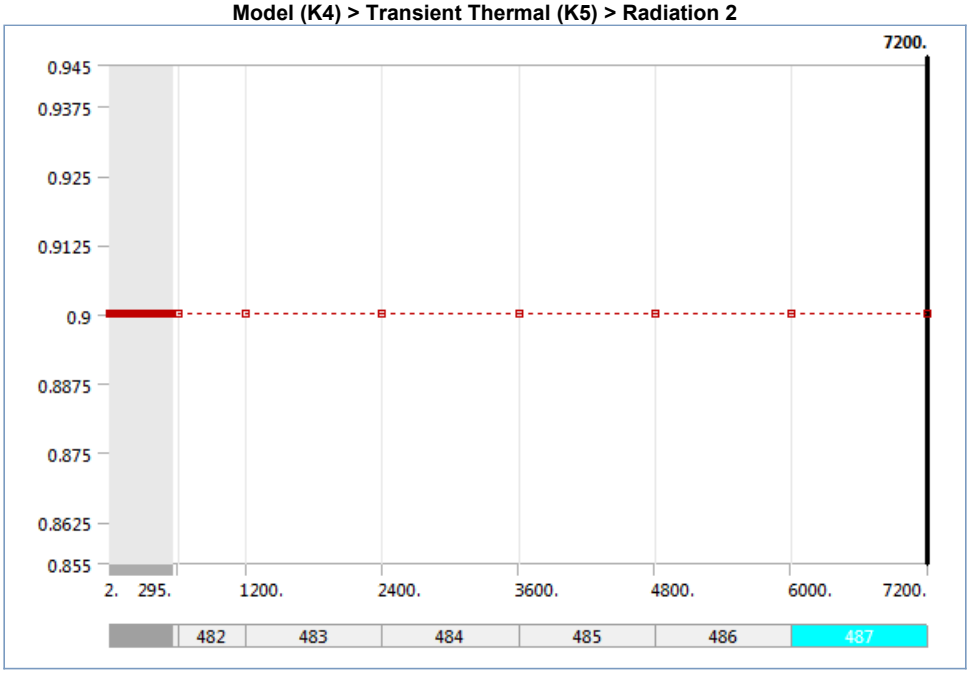


FIGURE 3
Model (K4) > Transient Thermal (K5) > Radiation 3

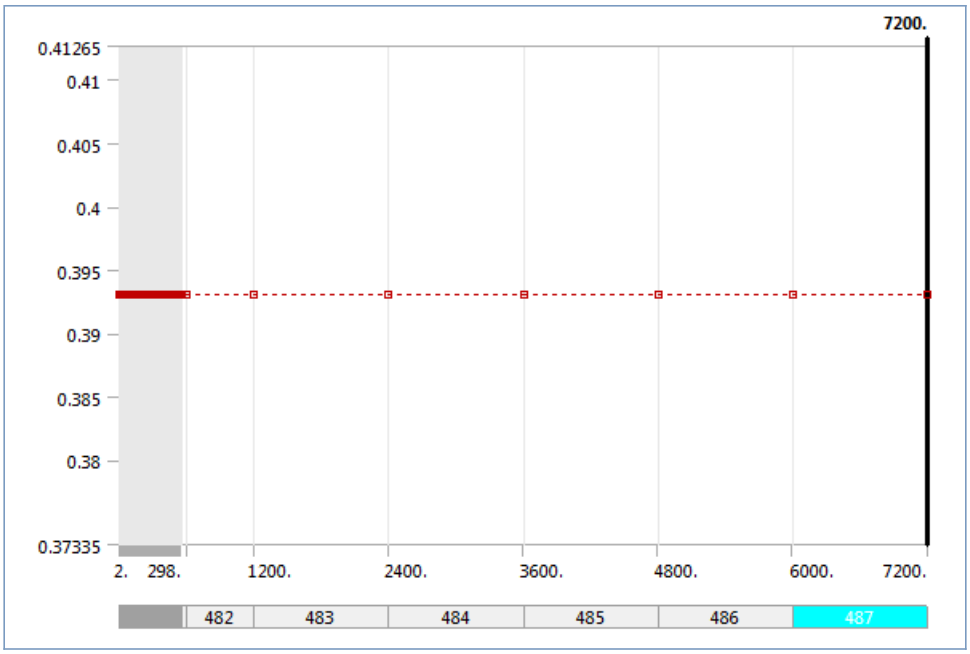


FIGURE 4
Model (K4) > Transient Thermal (K5) > Radiation 4

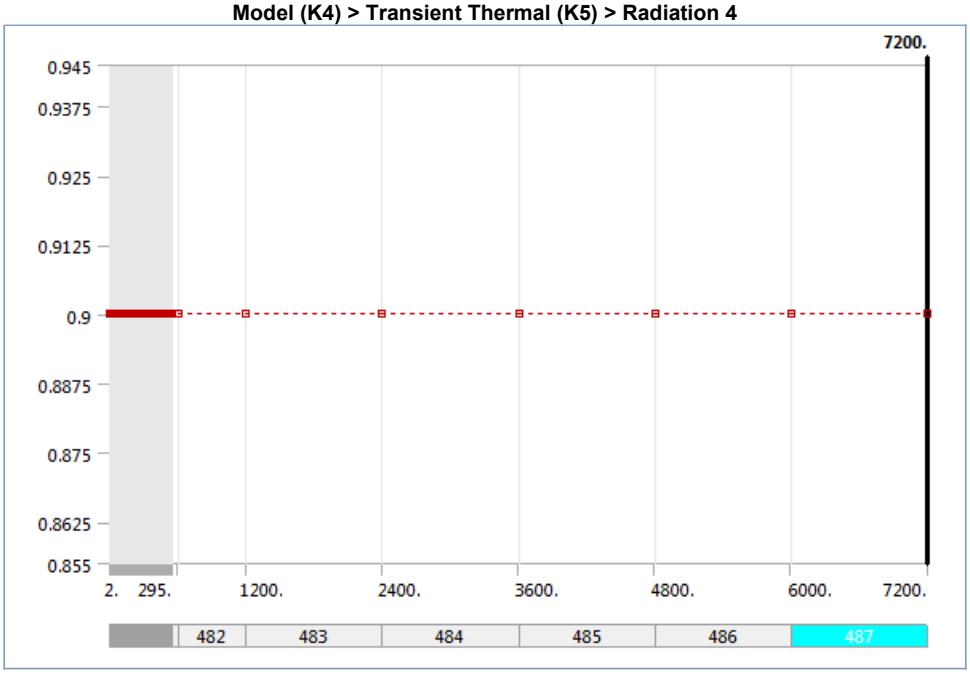


FIGURE 5
Model (K4) > Transient Thermal (K5) > Radiation 5

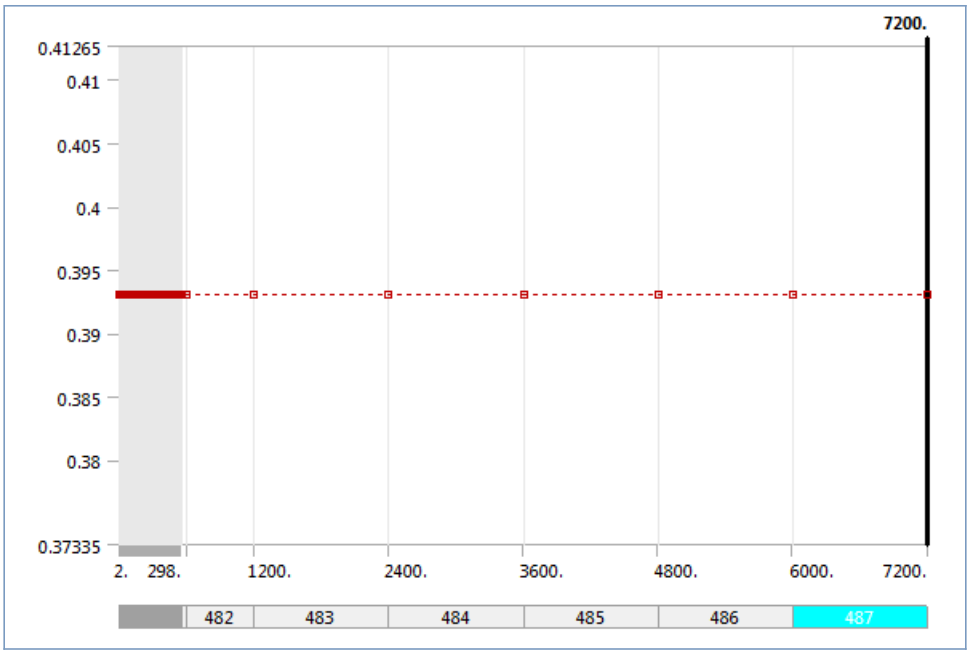


FIGURE 6
Model (K4) > Transient Thermal (K5) > Radiation 6

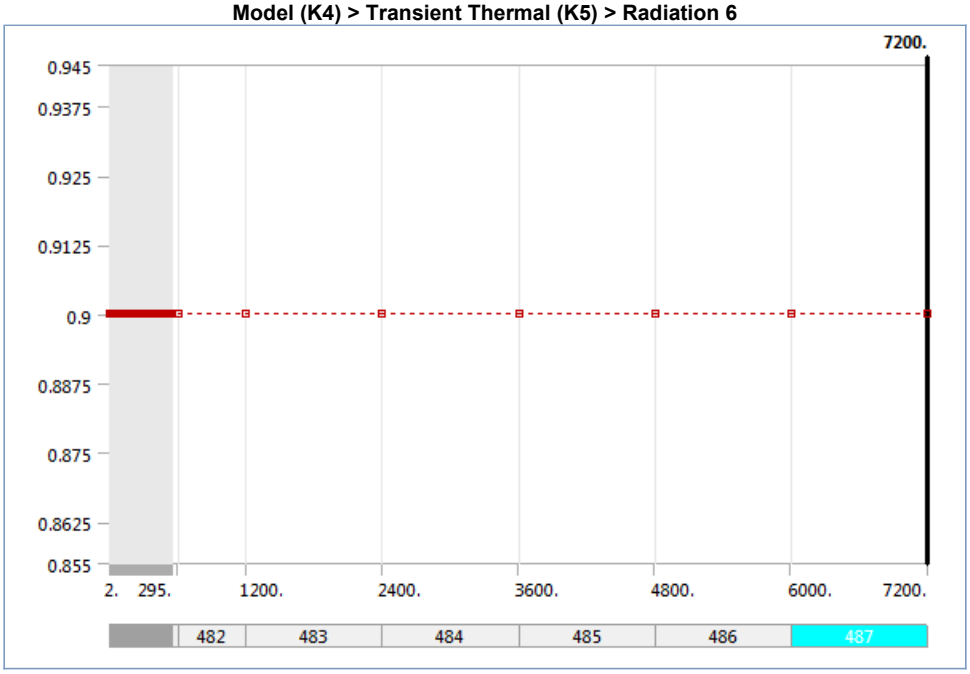


FIGURE 7
Model (K4) > Transient Thermal (K5) > Radiation 7

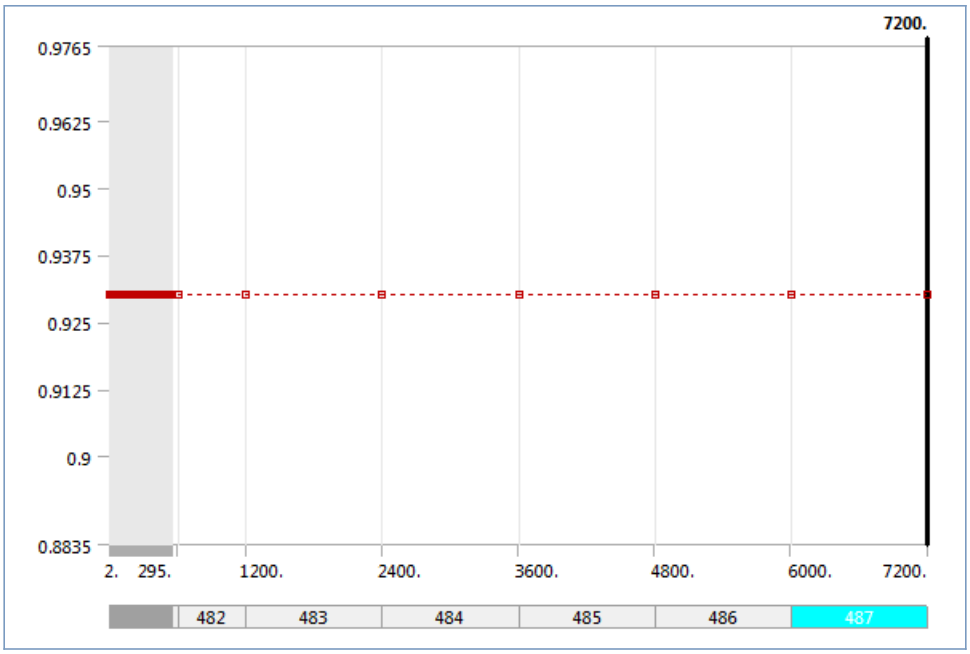


FIGURE 8
Model (K4) > Transient Thermal (K5) > Convection

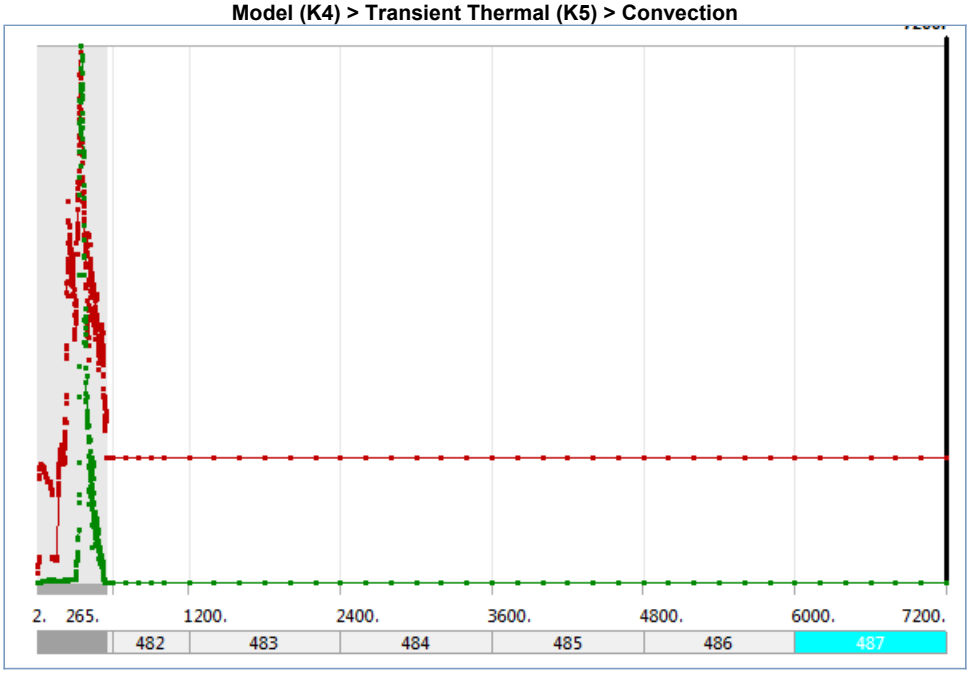


TABLE 20
Model (K4) > Transient Thermal (K5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	16.88
3	6.	0.92	16.95
4	8.	1.12	16.99
5	10.	1.3	17.
6	12.	4.22	16.98
7	14.	4.36	
8	16.	4.58	
9	18.	4.66	17.05
10	20.	4.72	17.12
11	22.	4.75	17.18

12	24.	4.76	17.23
13	26.	4.77	17.26
14	28.		17.29
15	30.	4.76	17.31
16	32.	4.74	17.4
17	34.	4.7	17.45
18	36.	4.67	17.6
19	38.	4.66	17.7
20	40.	4.67	
21	42.	4.68	17.76
22	44.	4.66	17.8
23	46.	4.63	
24	48.	4.61	17.81
25	50.	4.59	17.87
26	52.	4.58	17.9
27	54.	4.54	17.96
28	56.	4.5	18.02
29	58.	4.43	18.07
30	60.	4.37	18.11
31	62.	4.32	18.12
32	64.	4.3	18.15
33	66.	4.29	18.18
34	68.	4.27	18.19
35	70.	4.24	
36	72.	4.21	
37	74.	4.17	18.18
38	76.	4.13	18.16
39	78.		18.19
40	80.		18.27
41	82.	4.12	18.47
42	84.	4.11	18.79
43	86.	4.1	19.44
44	88.		20.04
45	90.	4.13	20.31
46	92.		20.58
47	94.	4.12	20.65
48	96.	4.1	20.56
49	98.	4.07	20.28
50	100.	4.01	19.86
51	102.	3.92	19.44
52	104.	3.89	19.46
53	106.	3.85	19.32
54	108.	3.81	19.39
55	110.	3.76	19.95
56	112.	3.66	20.44
57	114.	1.3	20.36
58	116.	1.27	19.93
59	118.	1.29	19.61
60	120.		19.35
61	122.	1.26	19.82
62	124.	1.23	20.39
63	126.	1.24	20.86
64	128.	1.26	20.57
65	130.	1.28	20.37
66	132.	1.3	20.56
67	134.	1.24	20.19
68	136.	1.21	20.13
69	138.		20.32
70	140.	1.22	20.12
71	141.	1.21	20.
72	142.	1.23	19.81
73	143.	1.24	19.46
74	144.	1.23	19.56
75	145.	1.22	19.36
76	146.		18.86
77	147.		18.82

78	148.	1.21	18.54
79	149.	1.23	18.51
80	150.	1.22	
81	151.	1.23	18.99
82	152.	1.26	19.27
83	153.		19.41
84	154.	1.28	19.37
85	155.	1.3	19.4
86	156.		
87	157.		19.28
88	158.		19.2
89	159.	3.66	19.17
90	160.		19.07
91	161.	3.71	18.83
92	162.	3.81	18.59
93	163.	3.89	18.43
94	164.	3.95	18.26
95	165.	4.01	18.09
96	166.	4.08	18.08
97	167.	4.27	18.03
98	168.	4.39	18.25
99	169.	4.46	18.31
100	170.	4.64	18.43
101	171.	4.79	18.5
102	172.	4.87	18.66
103	173.	5.02	18.57
104	174.	5.05	18.59
105	175.	5.18	18.45
106	176.	5.19	18.41
107	177.		18.39
108	178.	5.22	18.36
109	179.	5.25	18.13
110	180.	5.3	18.01
111	181.		17.99
112	182.	5.28	18.01
113	183.	5.23	18.04
114	184.	5.21	
115	185.	5.25	
116	186.	5.28	
117	187.	5.35	18.09
118	188.	5.41	18.2
119	189.	5.42	18.29
120	190.	5.46	18.3
121	191.	5.48	18.23
122	192.	5.45	18.13
123	193.	5.4	18.07
124	194.		18.1
125	195.	5.38	18.17
126	196.	5.35	18.22
127	197.	5.38	18.23
128	198.	5.31	18.18
129	199.	5.24	18.05
130	200.	5.19	17.98
131	201.	5.13	17.9
132	202.	5.04	17.89
133	203.	4.97	18.03
134	204.	4.88	18.02
135	205.	4.84	18.12
136	206.	4.81	18.32
137	207.		18.31
138	208.	4.84	18.38
139	209.	4.8	18.4
140	210.	4.84	18.35
141	211.	4.92	19.61
142	212.	5.01	20.2
143	213.	5.4	21.04

144	214.	5.58	21.63
145	215.	5.76	21.35
146	216.	5.8	21.18
147	217.	6.	21.57
148	218.	6.31	21.29
149	219.	6.42	21.07
150	220.	6.43	20.84
151	221.		20.29
152	222.	6.34	19.87
153	223.	7.03	19.68
154	224.	7.32	19.57
155	225.	7.27	19.6
156	226.	8.82	18.98
157	227.	8.78	20.26
158	228.	9.06	20.17
159	229.	8.71	19.9
160	230.	9.19	19.61
161	231.	9.05	19.47
162	232.	9.12	19.65
163	233.	11.19	19.35
164	234.	11.54	19.98
165	235.	11.08	20.27
166	236.	11.6	20.34
167	237.	12.3	21.13
168	238.	12.43	21.37
169	239.	13.01	20.88
170	240.	13.8	20.91
171	241.	14.56	20.88
172	242.	13.87	20.55
173	243.	12.17	20.16
174	244.	11.61	21.2
175	245.	12.	21.38
176	246.	11.92	
177	247.	12.18	21.54
178	248.	12.64	21.71
179	249.	12.73	21.7
180	250.	12.72	21.6
181	251.	12.8	20.88
182	252.	13.69	21.2
183	253.	13.21	21.21
184	254.	13.6	21.44
185	255.	13.12	21.04
186	256.	12.98	20.69
187	257.	13.64	20.98
188	258.	13.35	21.55
189	259.	12.81	21.27
190	260.	12.78	
191	261.	12.36	21.09
192	262.	12.22	21.05
193	263.	11.91	20.62
194	264.	11.45	20.7
195	265.	11.7	21.19
196	266.	11.78	21.89
197	267.	11.05	22.02
198	268.	11.58	21.81
199	269.	12.38	21.66
200	270.	12.09	21.26
201	271.	12.58	21.37
202	272.	12.37	21.04
203	273.	12.05	20.81
204	274.	12.37	21.06
205	275.	12.5	21.05
206	276.	11.98	21.6
207	277.	11.42	21.61
208	278.	12.27	21.46
209	279.	12.52	21.45

210	280.	11.95	21.23
211	281.	11.66	20.9
212	282.	11.81	22.31
213	283.	11.58	22.07
214	284.	11.13	21.73
215	285.	11.06	21.49
216	286.	11.07	21.1
217	287.	11.31	21.44
218	288.	10.78	21.31
219	289.		21.68
220	290.	10.34	21.44
221	291.	9.77	21.02
222	292.	9.53	21.22
223	293.	9.71	21.47
224	294.	9.57	22.06
225	295.	9.43	22.27
226	296.	9.73	21.89
227	297.	9.68	21.32
228	298.	10.01	21.81
229	299.	10.21	22.53
230	300.	10.32	22.57
231	301.	10.01	23.97
232	302.	10.71	23.37
233	303.		33.21
234	304.	10.88	27.51
235	305.	10.15	50.05
236	306.	10.44	30.44
237	307.	10.47	26.81
238	308.	10.23	37.57
239	309.	12.59	33.08
240	310.	13.04	54.04
241	311.	14.3	57.94
242	312.	14.66	70.27
243	313.	13.43	61.53
244	314.	15.32	74.05
245	315.	14.82	64.58
246	316.	14.26	66.14
247	317.	13.28	60.21
248	318.	13.19	72.05
249	319.	12.6	68.13
250	320.	13.37	74.01
251	321.	13.58	97.5
252	322.	13.73	98.01
253	323.	15.03	101.58
254	324.	15.21	116.69
255	325.	16.38	169.29
256	326.	15.74	183.29
257	327.	18.08	243.56
258	328.	17.61	426.66
259	329.	17.01	367.51
260	330.	16.95	599.74
261	331.	18.4	753.81
262	332.	16.69	786.73
263	333.	17.05	835.02
264	334.	17.89	888.33
265	335.	19.32	933.38
266	336.	20.38	872.63
267	337.	20.16	879.22
268	338.	18.28	958.23
269	339.	18.	896.7
270	340.	18.93	807.26
271	341.	18.74	867.08
272	342.	19.21	959.25
273	343.	17.88	955.82
274	344.	16.42	951.67
275	345.	16.79	928.99

276	346.	15.42	993.1
277	347.	17.95	993.9
278	348.	18.5	1035.8
279	349.	16.29	984.36
280	350.	16.9	1007.3
281	351.	17.61	1016.5
282	352.	16.82	958.75
283	353.	14.9	962.87
284	354.	16.42	1008.9
285	355.	15.4	954.8
286	356.	15.5	942.37
287	357.	16.04	936.54
288	358.	14.86	880.76
289	359.	15.22	906.98
290	360.	14.79	891.26
291	361.	14.6	859.46
292	362.	14.68	836.22
293	363.	14.46	827.05
294	364.	14.15	824.45
295	365.	14.52	770.06
296	366.	14.95	746.51
297	367.	14.42	695.76
298	368.	13.8	666.13
299	369.	13.32	637.17
300	370.	13.94	633.28
301	371.	14.51	599.02
302	372.	14.44	516.63
303	373.	13.72	471.98
304	374.	13.13	473.19
305	375.	12.72	499.42
306	376.	12.6	511.49
307	377.	13.07	522.21
308	378.	13.	467.42
309	379.	12.83	395.32
310	380.	12.18	424.24
311	381.	12.23	486.51
312	382.	12.53	535.97
313	383.	12.85	520.18
314	384.	11.36	360.21
315	385.	11.47	363.26
316	386.	12.15	374.01
317	387.	12.92	408.54
318	388.	10.59	323.47
319	389.	10.29	310.98
320	390.	9.86	312.
321	391.	10.17	341.22
322	392.	10.88	338.31
323	393.	10.07	320.67
324	394.	9.57	325.04
325	395.	9.76	328.52
326	396.	9.95	310.12
327	397.	9.68	338.82
328	398.	11.47	323.26
329	399.	13.39	367.58
330	400.	12.17	313.68
331	401.	13.24	254.87
332	402.	10.68	233.63
333	403.	10.25	166.12
334	404.	8.69	192.75
335	405.	8.65	189.68
336	406.	9.51	193.51
337	407.	9.21	193.6
338	408.	10.5	286.34
339	409.	11.48	282.86
340	410.	13.32	293.38
341	411.	11.67	237.23

	412.	11.82	179.86
343	413.	12.09	165.88
344	414.	11.91	188.26
345	415.	12.22	287.59
346	416.	12.28	254.
347	417.	11.01	264.11
348	418.	12.42	235.01
349	419.	11.96	217.53
350	420.	11.71	163.9
351	421.	12.96	199.28
352	422.	12.22	209.51
353	423.	12.09	247.76
354	424.	11.26	232.63
355	425.	11.08	250.62
356	426.	11.64	254.07
357	427.	11.19	245.73
358	428.	10.55	232.83
359	429.	11.44	217.82
360	430.	10.34	201.01
361	431.	10.16	172.64
362	432.	10.22	223.38
363	433.	11.09	228.29
364	434.	11.73	156.71
365	435.	10.99	124.85
366	436.	10.55	83.99
367	437.	11.89	227.28
368	438.	10.98	168.98
369	439.	10.57	237.09
370	440.	11.23	243.52
371	441.	9.99	212.91
372	442.	10.07	143.3
373	443.	10.54	130.84
374	444.	10.5	139.79
375	445.	10.29	185.33
376	446.	11.48	165.16
377	447.	11.15	139.75
378	448.	11.36	145.92
379	449.	10.56	121.99
380	450.	10.9	142.91
381	451.	10.61	103.87
382	452.	10.19	100.03
383	453.	10.66	131.79
384	454.	10.54	136.09
385	455.	9.93	151.03
386	456.	9.84	132.14
387	457.	9.7	128.16
388	458.	9.76	114.14
389	459.	9.46	100.21
390	460.	10.21	86.47
391	461.	10.2	88.88
392	462.	10.11	123.89
393	463.	9.95	129.13
394	464.	10.11	105.3
395	465.	9.84	113.01
396	466.	10.96	113.48
397	467.	10.93	122.13
398	468.	11.01	129.3
399	469.	10.34	137.9
400	470.	11.12	111.38
401	471.	11.08	130.64
402	472.	10.28	122.21
403	473.	9.79	106.86
404	474.	10.07	95.18
405	475.	9.45	117.31
406	476.	9.5	116.99
407	477.	9.28	112.43

	478.	9.42	111.28
409	479.	9.87	95.64
410	480.	9.92	79.62
411	481.	9.56	75.58
412	482.	9.35	87.49
413	483.	8.89	87.1
414	484.	8.33	79.97
415	485.	8.55	62.87
416	486.	8.98	90.11
417	487.	9.09	109.68
418	488.	8.87	85.82
419	489.	8.77	70.64
420	490.	8.59	66.37
421	491.	9.13	58.36
422	492.	9.41	53.54
423	493.	9.9	76.2
424	494.	9.34	69.66
425	495.	8.93	68.86
426	496.	9.23	61.44
427	497.		58.46
428	498.	9.41	74.09
429	499.	9.35	82.7
430	500.	9.29	70.49
431	501.	10.	60.66
432	502.	9.76	67.62
433	503.	9.71	59.9
434	504.	9.42	52.04
435	505.	9.94	46.84
436	506.	9.91	57.8
437	507.	9.23	61.04
438	508.	9.78	53.1
439	509.	9.51	55.21
440	510.	9.47	57.27
441	511.	8.98	63.88
442	512.	9.23	53.67
443	513.	8.98	47.96
444	514.	8.95	54.77
445	515.	8.91	54.36
446	516.	9.67	48.85
447	517.	9.2	44.02
448	518.	8.87	38.22
449	519.	8.99	34.81
450	520.	8.66	38.62
451	521.	8.46	38.98
452	522.	8.06	36.55
453	523.	8.12	34.47
454	524.	7.61	34.25
455	525.	7.32	24.43
456	526.	7.28	22.45
457	527.	7.27	21.64
458	528.	7.1	21.85
459	529.	6.94	21.12
460	530.	6.86	20.98
461	531.	6.57	19.98
462	532.	6.56	19.51
463	533.	6.23	18.72
464	534.	6.18	17.59
465	535.	6.02	16.78
466	536.	6.39	16.75
467	537.	6.41	16.82
468	538.	6.44	15.98
469	539.	6.4	15.82
470	540.	6.45	15.87
471	541.	6.48	
472	542.	6.6	15.82
473	543.	6.57	15.88

474	544.	6.75	16.25
475	545.	6.76	16.72
476	546.	6.62	16.9
477	547.	6.72	16.95
478	548.	6.59	16.83
479	549.	6.52	16.75
480	550.	6.73	16.66
481	551.		
	552.		
	553.		
	554.		
	555.		
	560.		
	565.		
	570.		
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
482	700.		
	800.		
	900.		
	1000.		
	1200.		
483	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.	5.	16.85
484	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
485	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
486	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
487	6200.		
	6400.		
	6600.		
	6800.		
	7000.		
	7200.		

FIGURE 9
Model (K4) > Transient Thermal (K5) > Heat Flux

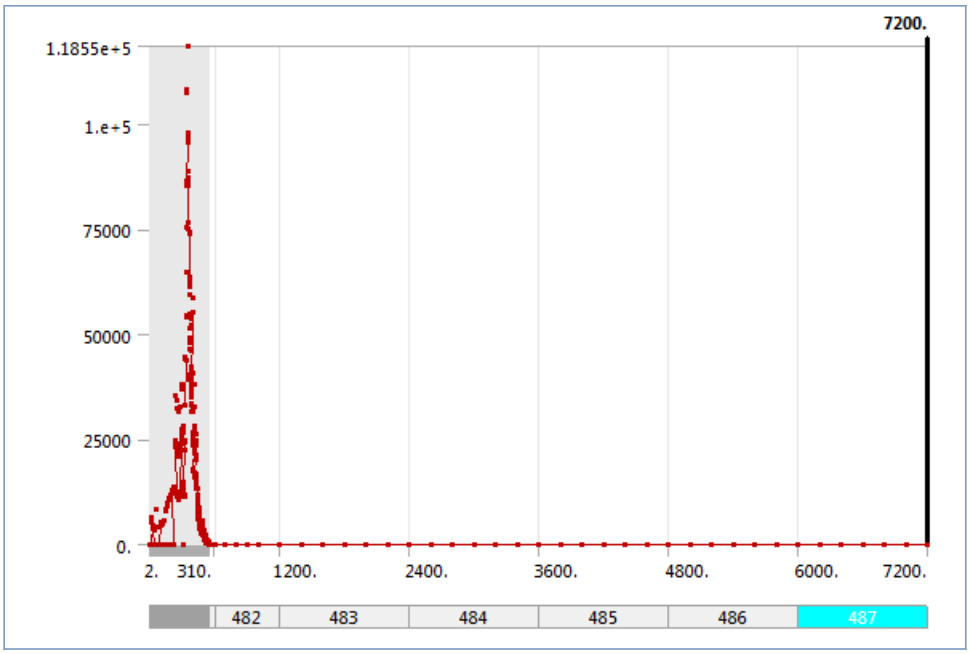


TABLE 21
Model (K4) > Transient Thermal (K5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	6316.1
9	18.	6433.8
10	20.	5484.4
11	22.	0.
12	24.	4644.2
13	26.	4364.2
14	28.	4125.2
15	30.	3968.5
16	32.	3836.1
17	34.	0.
18	36.	3790.2
19	38.	0.
20	40.	3612.4
21	42.	3656.7
22	44.	3742.2
23	46.	0.3
24	48.	0.
25	50.	
26	52.	
27	54.	
28	56.	4172.
29	58.	4183.1
30	60.	8381.7
31	62.	0.
32	64.	4194.4
33	66.	0.
34	68.	0.3
35	70.	0.
36	72.	4254.
37	74.	0.

38	76.	
39	78.	4347.9
40	80.	0.
41	82.	
42	84.	
43	86.	
44	88.	
45	90.	
46	92.	0.3
47	94.	0.
48	96.	
49	98.	4621.2
50	100.	0.
51	102.	
52	104.	
53	106.	
54	108.	
55	110.	5363.5
56	112.	5138.5
57	114.	0.
58	116.	
59	118.	
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	5722.5
67	134.	0.
68	136.	
69	138.	
70	140.	
71	141.	
72	142.	
73	143.	
74	144.	
75	145.	
76	146.	
77	147.	
78	148.	
79	149.	7832.7
80	150.	0.
81	151.	
82	152.	8333.7
83	153.	0.
84	154.	
85	155.	
86	156.	
87	157.	
88	158.	9225.8
89	159.	0.
90	160.	
91	161.	
92	162.	
93	163.	
94	164.	
95	165.	10050
96	166.	0.
97	167.	
98	168.	
99	169.	0.3
100	170.	0.
101	171.	
102	172.	
103	173.	

104	174.	0.3
105	175.	0.
106	176.	
107	177.	10773
108	178.	0.
109	179.	
110	180.	
111	181.	
112	182.	
113	183.	
114	184.	11156
115	185.	0.
116	186.	
117	187.	11852
118	188.	0.
119	189.	
120	190.	
121	191.	
122	192.	
123	193.	
124	194.	
125	195.	11716
126	196.	0.
127	197.	11781
128	198.	0.
129	199.	
130	200.	
131	201.	
132	202.	12014
133	203.	0.
134	204.	
135	205.	
136	206.	
137	207.	12564
138	208.	0.
139	209.	
140	210.	
141	211.	
142	212.	12926
143	213.	0.
144	214.	13024
145	215.	0.
146	216.	13684
147	217.	13089
148	218.	13094
149	219.	13100
150	220.	13084
151	221.	13029
152	222.	0.3
153	223.	0.
154	224.	13488
155	225.	12844
156	226.	13349
157	227.	13275
158	228.	12647
159	229.	13160
160	230.	13115
161	231.	13053
162	232.	12976
163	233.	24745
164	234.	12841
165	235.	12713
166	236.	12596
167	237.	12490
168	238.	23759
169	239.	12338

170	240.	35289
171	241.	24317
172	242.	12097
173	243.	12043
174	244.	23103
175	245.	11534
176	246.	34495
177	247.	11454
178	248.	11416
179	249.	22744
180	250.	22654
181	251.	22539
182	252.	11682
183	253.	22225
184	254.	22036
185	255.	22831
186	256.	21747
187	257.	32359
188	258.	21423
189	259.	21336
190	260.	21279
191	261.	11075
192	262.	10590
193	263.	11005
194	264.	10484
195	265.	20998
196	266.	21035
197	267.	21075
198	268.	31616
199	269.	22000
200	270.	21178
201	271.	22316
202	272.	21528
203	273.	32390
204	274.	21599
205	275.	21613
206	276.	32595
207	277.	11391
208	278.	21953
209	279.	11483
210	280.	22042
211	281.	22100
212	282.	23273
213	283.	11742
214	284.	22647
215	285.	11942
216	286.	24161
217	287.	23472
218	288.	12407
219	289.	24101
220	290.	24405
221	291.	37003
222	292.	24933
223	293.	37786
224	294.	38232
225	295.	25694
226	296.	25847
227	297.	26005
228	298.	26050
229	299.	26354
230	300.	26691
231	301.	13485
232	302.	27247
233	303.	27602
234	304.	27910
235	305.	28054

	306.	14711
237	307.	14077
238	308.	28032
239	309.	13935
240	310.	27687
241	311.	13738
242	312.	0.3
243	313.	13484
244	314.	26661
245	315.	13220
246	316.	13058
247	317.	12797
248	318.	12567
249	319.	24674
250	320.	24232
251	321.	11950
252	322.	11821
253	323.	11715
254	324.	11649
255	325.	11565
256	326.	11485
257	327.	11349
258	328.	22519
259	329.	11697
260	330.	22316
261	331.	44435
262	332.	44203
263	333.	33116
264	334.	43951
265	335.	54588
266	336.	54284
267	337.	54068
268	338.	75627
269	339.	64849
270	340.	54152
271	341.	64984
272	342.	64947
273	343.	86631
274	344.	1.0824e+005
275	345.	86400
276	346.	1.0732e+005
277	347.	85598
278	348.	85339
279	349.	95868
280	350.	95715
281	351.	95691
282	352.	85302
283	353.	96781
284	354.	86390
285	355.	88893
286	356.	76616
287	357.	87384
288	358.	97892
289	359.	97400
290	360.	1.1855e+005
291	361.	75167
292	362.	85434
293	363.	63817
294	364.	74193
295	365.	73844
296	366.	63012
297	367.	62662
298	368.	62470
299	369.	51572
300	370.	61317
301	371.	40258

	372.	59592
303	373.	49001
304	374.	48096
305	375.	39437
306	376.	46471
307	377.	54714
308	378.	53822
309	379.	46115
310	380.	52066
311	381.	42469
312	382.	33350
313	383.	40985
314	384.	33589
315	385.	39783
316	386.	39266
317	387.	38625
318	388.	31786
319	389.	37454
320	390.	36754
321	391.	36015
322	392.	35203
323	393.	55233
324	394.	40675
325	395.	26740
326	396.	26355
327	397.	58593
328	398.	32170
329	399.	25556
330	400.	31482
331	401.	24916
332	402.	25674
333	403.	24261
334	404.	18071
335	405.	23916
336	406.	23570
337	407.	17466
338	408.	23046
339	409.	17169
340	410.	28304
341	411.	22318
342	412.	22102
343	413.	21997
344	414.	21864
345	415.	38095
346	416.	27160
347	417.	21794
348	418.	16283
349	419.	21695
350	420.	32626
351	421.	16280
352	422.	16141
353	423.	21421
354	424.	21273
355	425.	26332
356	426.	20830
357	427.	15349
358	428.	20102
359	429.	24719
360	430.	14554
361	431.	23739
362	432.	13948
363	433.	13567
364	434.	13222
365	435.	21514
366	436.	16756
367	437.	16289

	438.	11947
369	439.	11747
370	440.	7645.5
371	441.	11206
372	442.	7263.1
373	443.	7031.1
374	444.	10256
375	445.	13340
376	446.	9764.5
377	447.	9574.3
378	448.	6222.6
379	449.	9134.
380	450.	11864
381	451.	8668.3
382	452.	8451.6
383	453.	5516.3
384	454.	5439.4
385	455.	5320.2
386	456.	5139.5
387	457.	7431.4
388	458.	7130.2
389	459.	4591.6
390	460.	8915.8
391	461.	4320.1
392	462.	6268.9
393	463.	4094.4
394	464.	7975.6
395	465.	5808.9
396	466.	3786.2
397	467.	3678.1
398	468.	5371.2
399	469.	3480.1
400	470.	5063.5
401	471.	3262.2
402	472.	3118.9
403	473.	4500.9
404	474.	2895.
405	475.	2775.8
406	476.	5341.3
407	477.	2581.5
408	478.	2507.8
409	479.	4876.6
410	480.	4765.4
411	481.	3471.8
412	482.	5622.4
413	483.	4373.4
414	484.	3179.9
415	485.	4116.7
416	486.	3980.6
417	487.	2895.3
418	488.	2805.5
419	489.	3608.7
420	490.	2611.7
421	491.	4998.3
422	492.	3209.4
423	493.	3074.4
424	494.	2969.2
425	495.	2170.4
426	496.	2863.9
427	497.	3559.9
428	498.	2092.6
429	499.	2730.9
430	500.	2663.6
431	501.	1950.9
432	502.	2550.4
433	503.	1248.

	504.	1825.7
435	505.	1780.7
436	506.	1158.1
437	507.	1128.3
438	508.	1098.8
439	509.	1083.1
440	510.	1604.2
441	511.	1053.4
442	512.	1034.6
443	513.	1011.8
444	514.	516.3
445	515.	1953.8
446	516.	638.1
447	517.	1407.1
448	518.	2282.8
449	519.	891.9
450	520.	1317.1
451	521.	862.1
452	522.	1264.5
453	523.	1252.4
454	524.	827.
455	525.	1233.4
456	526.	808.2
457	527.	1056.5
458	528.	1172.8
459	529.	772.8
460	530.	769.1
461	531.	757.8
462	532.	748.9
463	533.	740.3
464	534.	716.7
465	535.	691.5
466	536.	682.3
467	537.	686.1
468	538.	685.8
469	539.	675.8
470	540.	659.8
471	541.	648.4
472	542.	430.2
473	543.	640.2
474	544.	328.8
475	545.	952.4
476	546.	416.8
477	547.	617.5
478	548.	607.2
479	549.	397.7
480	550.	392.6
481	551.	
	552.	
	553.	
	554.	
	555.	
	560.	
	565.	
	570.	
	575.	
	580.	
	585.	
	590.	
	595.	
	600.	
482	700.	
	800.	
	900.	
	1000.	
	1200.	

483	1400.	
	1600.	
	1800.	
	2000.	
	2200.	
	2400.	
484	2600.	
	2800.	
	3000.	
	3200.	
	3400.	
	3600.	
485	3800.	
	4000.	
	4200.	0.
	4400.	
	4600.	
	4800.	
486	5000.	
	5200.	
	5400.	
	5600.	
	5800.	
	6000.	
487	6200.	
	6400.	
	6600.	
	6800.	
	7000.	
	7200.	

FIGURE 10
Model (K4) > Transient Thermal (K5) > Radiation

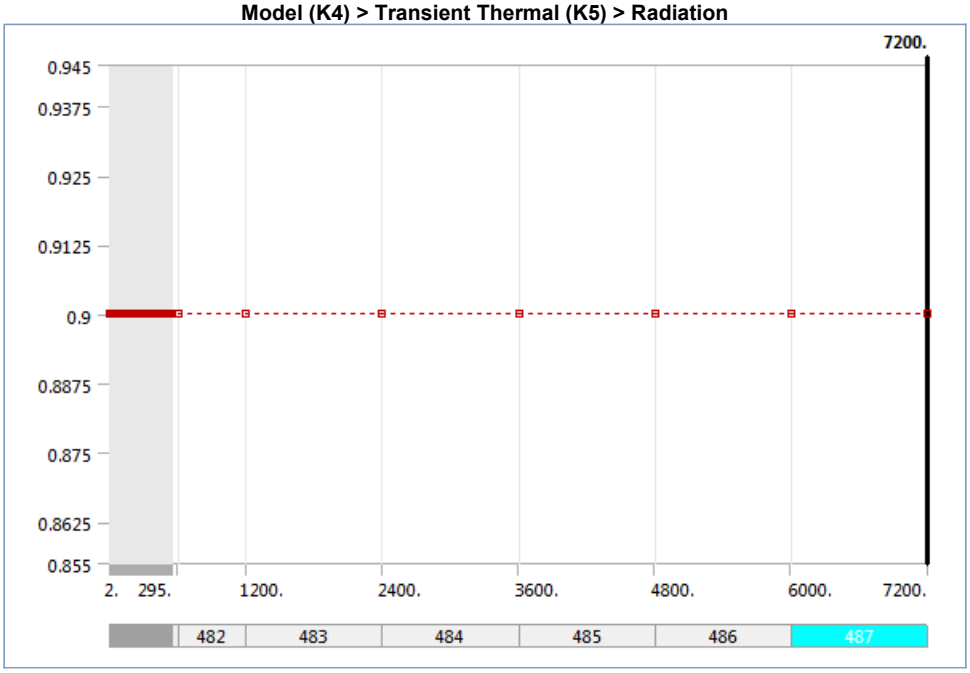


FIGURE 11
Model (K4) > Transient Thermal (K5) > Radiation 8

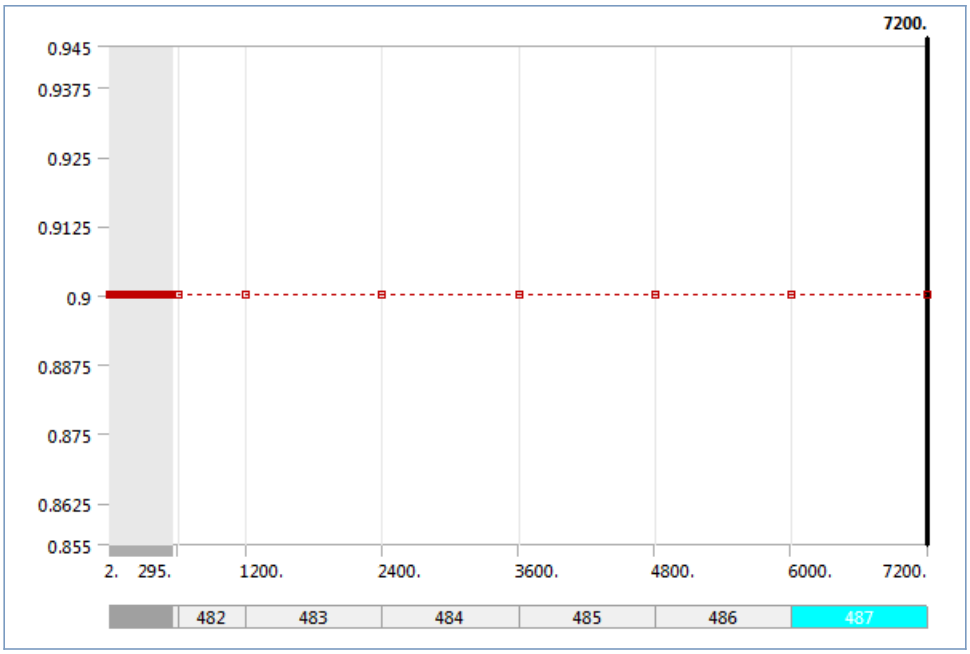


TABLE 22
Model (K4) > Transient Thermal (K5) > Loads

Object Name	*Radiation 9*	*Radiation 10*	*Radiation 11*	*Radiation 12*	*Radiation 13*
State	Fully Defined				
Scope					
Scoping Method	Geometry Selection				
Geometry	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges
Definition					
Type	Radiation				
Correlation	Surface to Surface				To Ambient
Emissivity	0.9 (step applied)				1. (step applied)
Enclosure	2.				
Enclosure Type	Perfect				
Suppressed	No				
Ambient Temperature					16.85 °C (step applied)

FIGURE 12
Model (K4) > Transient Thermal (K5) > Radiation 9

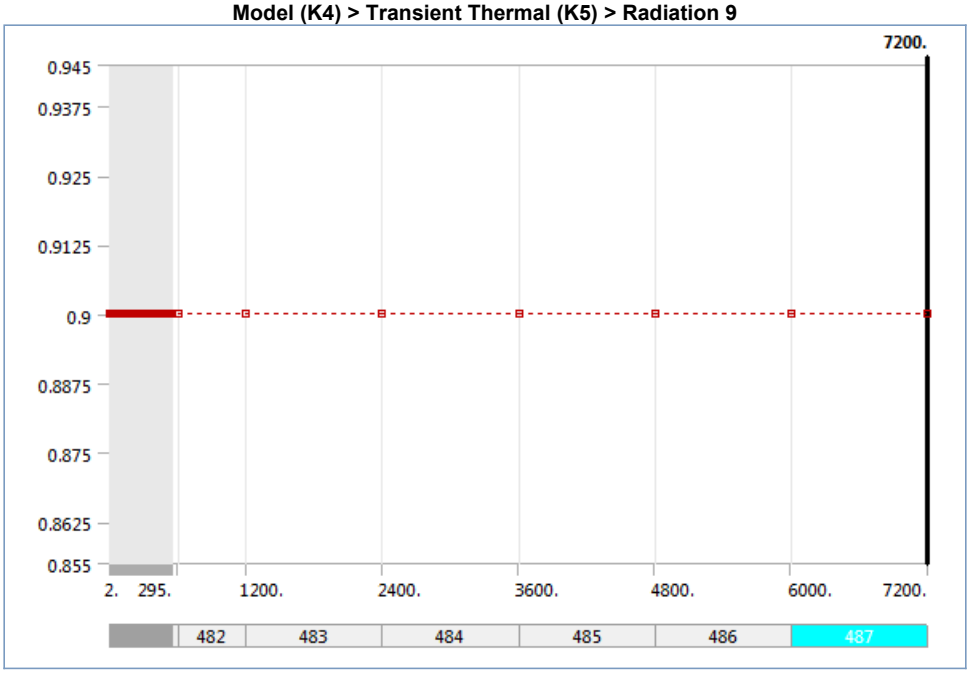


FIGURE 13
Model (K4) > Transient Thermal (K5) > Radiation 10

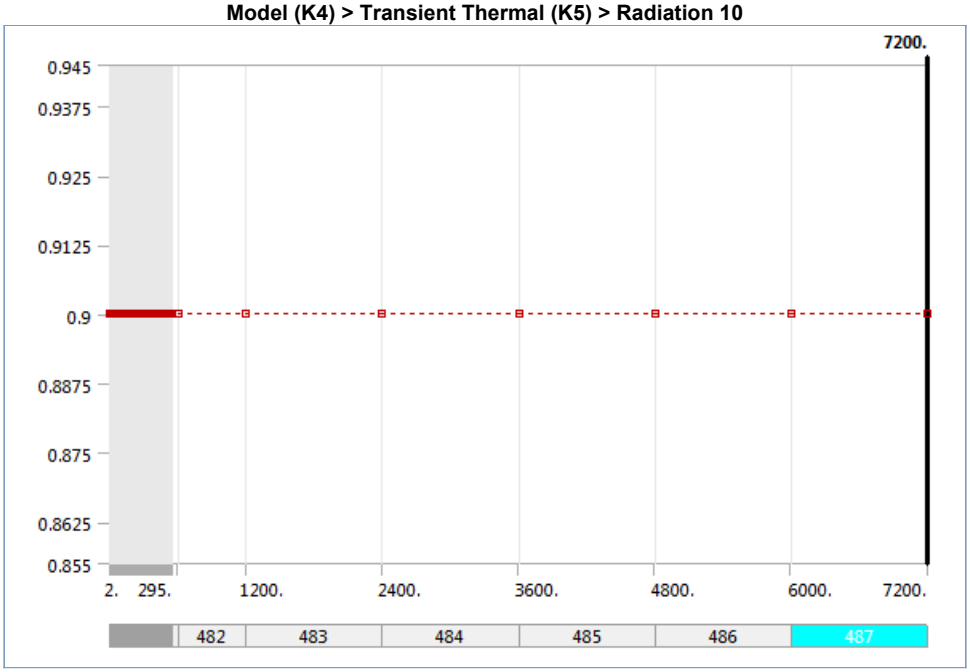


FIGURE 14
Model (K4) > Transient Thermal (K5) > Radiation 11

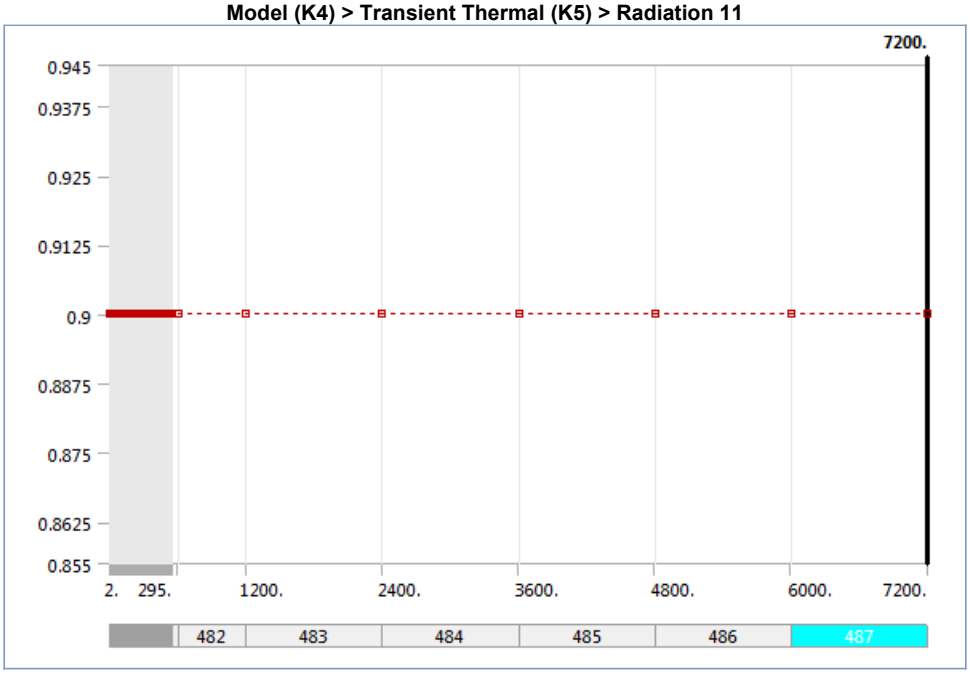


FIGURE 15
Model (K4) > Transient Thermal (K5) > Radiation 12

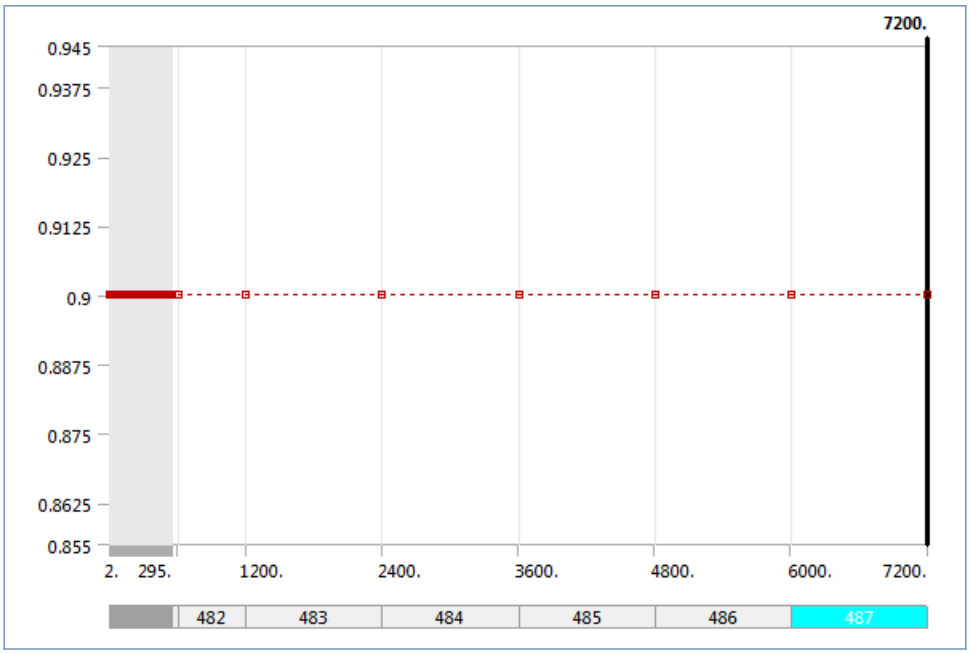
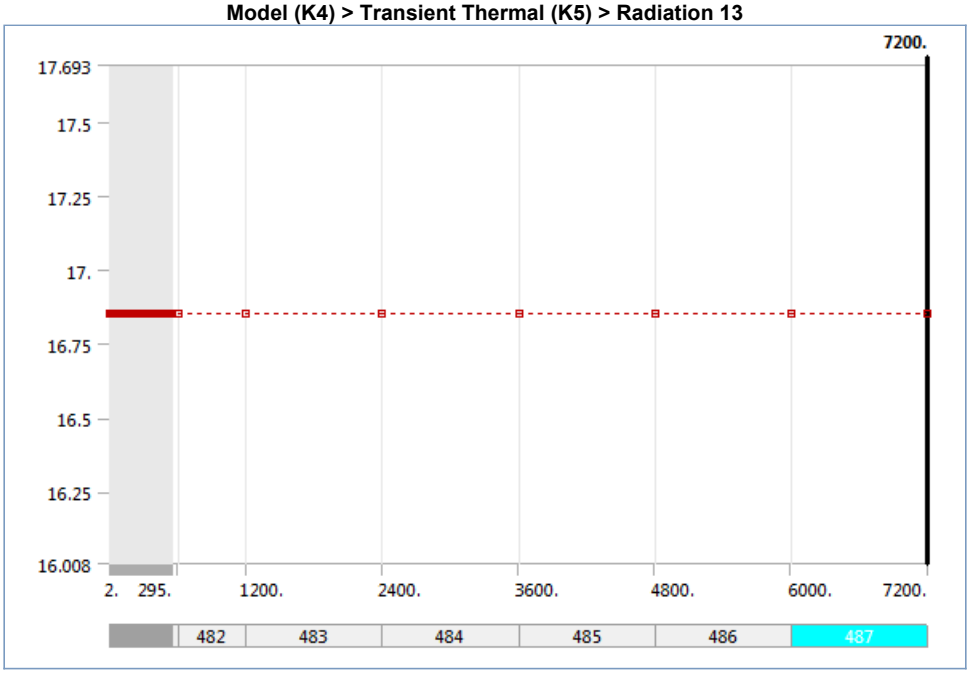


FIGURE 16
Model (K4) > Transient Thermal (K5) > Radiation 13



Solution (K6)

TABLE 23
Model (K4) > Transient Thermal (K5) > Solution

Object Name	*Solution (K6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	29 m 37 s
MAPDL Memory Used	2.543 GB
MAPDL Result File Size	4.6143 GB
Post Processing	

Calculate Beam Section Results	No

TABLE 24
Model (K4) > Transient Thermal (K5) > Solution (K6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 25
Model (K4) > Transient Thermal (K5) > Solution (K6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	24.01 °C	-0.57241 °C
Maximum	436.98 °C	16.85 °C

FIGURE 17
Model (K4) > Transient Thermal (K5) > Solution (K6) > Solution Information > Temperature - Global Maximum

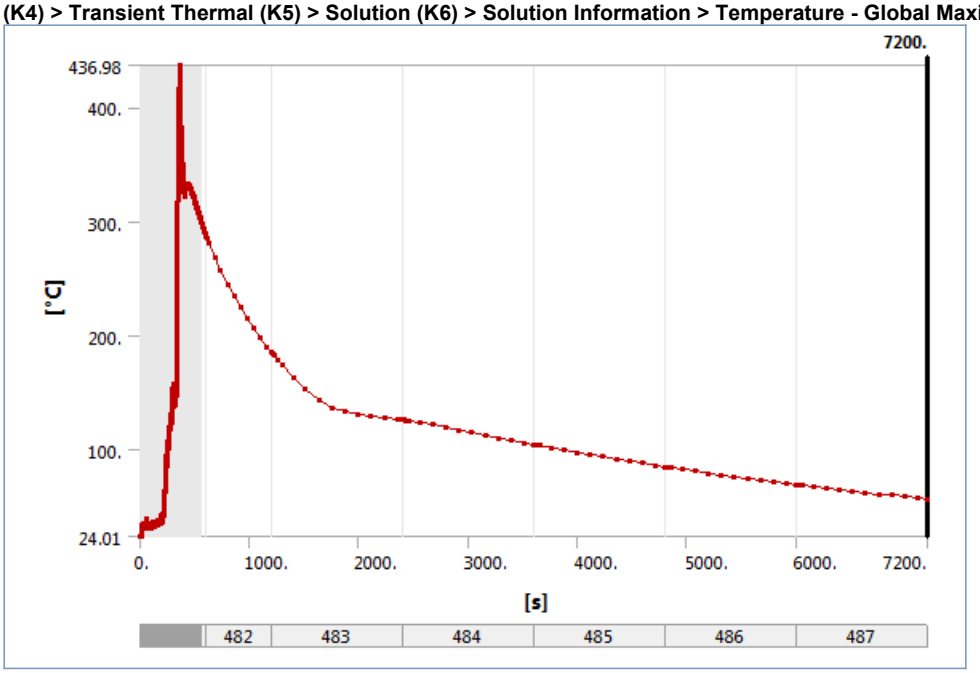


FIGURE 18
Model (K4) > Transient Thermal (K5) > Solution (K6) > Solution Information > Temperature - Global Minimum

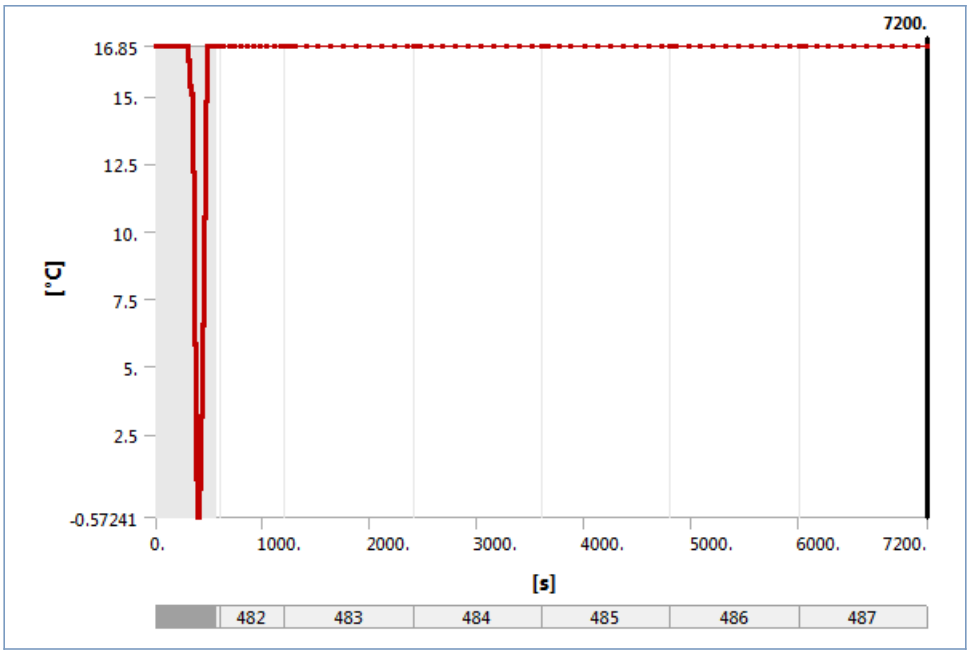


TABLE 26
Model (K4) > Transient Thermal (K5) > Solution (K6) > Results

Object Name	*Overall T*	*Drum Content T*	*Drum T*	*SWB T*	*Permacon T*
State	Solved				
Scope					
Scoping Method	Geometry Selection				
Geometry	All Bodies	1 Face	6 Faces	5 Faces	4 Faces
Definition					
Type	Temperature				
By	Time				
Display Time	2548. s	Last			
Calculate Time History	Yes				
Identifier					
Suppressed	No				
Results					
Minimum	22.25 °C	23.911 °C	28.924 °C	33.997 °C	21.627 °C
Maximum	123.9 °C	41.153 °C	54.443 °C	48.205 °C	35.436 °C
Minimum Occurs On	Surface Body				
Maximum Occurs On	Surface Body				
Minimum Value Over Time					
Minimum	-0.57241 °C	23.887 °C	23.89 °C		21.593 °C
Maximum	22.25 °C	23.911 °C	29.101 °C	45.935 °C	52.055 °C
Maximum Value Over Time					
Minimum	24.01 °C	23.89 °C			23.985 °C
Maximum	436.98 °C	60.788 °C	130.11 °C	143.75 °C	436.98 °C
Information					
Time	2548. s	7200. s			
Load Step	484	487			
Substep	4	13			
Iteration Number	6346	6433			

FIGURE 19
Model (K4) > Transient Thermal (K5) > Solution (K6) > Overall T

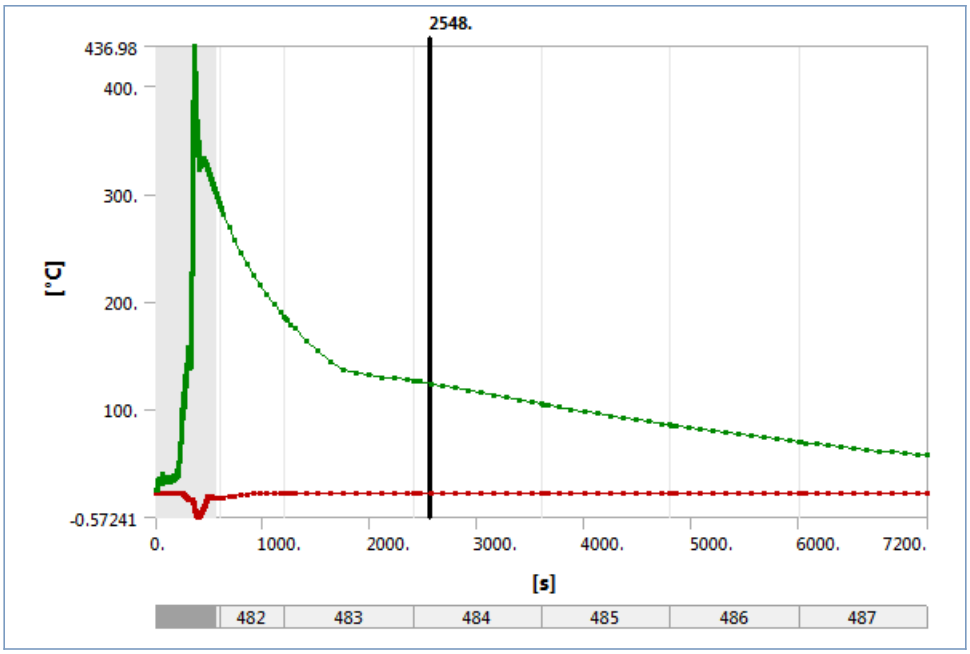


TABLE 27
Model (K4) > Transient Thermal (K5) > Solution (K6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		24.13
0.1		
0.28		24.128
0.48		24.125
0.68		24.123
0.88		24.122
1.08		24.12
1.28		24.118
1.48		24.117
1.68		24.115
1.88		24.114
2.		
2.02		24.112
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		
4.02		24.095
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088
5.08		24.086
5.28		24.084
5.48		24.083
5.68		24.081
5.88		24.079

6.	
6.02	24.078
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.066
7.68	24.064
7.88	24.062
8.	
8.02	24.061
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.055
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.049
9.68	24.047
9.88	24.045
10.	
10.02	24.044
10.04	
10.1	
10.28	24.042
10.48	24.04
10.68	24.039
10.88	24.037
11.08	24.036
11.28	24.034
11.48	24.032
11.68	24.031
11.88	24.029
12.	
12.02	24.028
12.04	
12.1	24.027
12.28	24.026
12.48	24.024
12.68	24.022
12.88	24.021
13.08	24.019
13.28	24.018
13.48	24.016
13.68	24.014
13.88	24.013
14.	24.012
14.02	
14.04	24.011
14.1	
14.22	24.01
14.329	24.032
14.438	24.169
14.638	24.494
14.838	24.873
15.038	25.325
15.238	25.823
15.438	26.364
15.638	26.943
15.838	27.56

16.	28.081
16.02	28.143
16.04	28.204
16.1	28.374
16.28	28.818
16.48	29.258
16.68	29.661
16.88	30.034
17.08	30.384
17.28	30.715
17.48	31.031
17.68	31.332
17.88	31.622
18.	31.791
18.02	31.819
18.04	31.847
18.1	31.925
18.28	32.137
18.48	32.35
18.68	32.543
18.88	32.721
19.08	32.883
19.28	33.032
19.48	33.169
19.68	33.294
19.88	33.408
20.	33.473
20.02	33.482
20.04	33.49
20.1	33.5
20.28	33.456
20.48	33.338
20.68	33.162
20.88	32.936
21.08	32.666
21.28	32.356
21.48	32.01
21.68	31.628
21.88	31.215
22.	30.955
22.02	30.915
22.04	30.878
22.1	30.79
22.28	30.653
22.48	30.609
22.68	30.648
22.88	30.754
23.08	30.917
23.28	31.13
23.48	31.387
23.68	31.684
23.88	32.016
24.	32.228
24.02	32.262
24.04	32.295
24.1	32.384
24.28	32.601
24.48	32.805
24.68	32.984
24.88	33.143
25.08	33.286
25.28	33.418
25.48	33.539
25.68	33.651
25.88	33.756
26.	33.816

	33.826
26.04	33.836
26.1	33.865
26.28	33.949
26.48	34.037
26.68	34.121
26.88	34.201
27.08	34.277
27.28	34.35
27.48	34.419
27.68	34.486
27.88	34.549
28.	34.587
28.02	34.593
28.04	34.599
28.1	34.618
28.28	34.672
28.48	34.732
28.68	34.79
28.88	34.847
29.08	34.902
29.28	34.955
29.48	35.008
29.68	35.058
29.88	35.108
30.	35.137
30.02	35.142
30.04	35.147
30.1	35.161
30.28	35.204
30.48	35.251
30.68	35.297
30.88	35.341
31.08	35.385
31.28	35.428
31.48	35.469
31.68	35.51
31.88	35.55
32.	35.574
32.02	35.576
32.04	35.578
32.1	35.572
32.28	35.501
32.48	35.371
32.68	35.2
32.88	34.994
33.08	34.758
33.28	34.494
33.48	34.204
33.68	33.891
33.88	33.557
34.	33.348
34.02	33.316
34.04	33.286
34.1	33.213
34.28	33.093
34.48	33.044
34.68	33.059
34.88	33.127
35.08	33.24
35.28	33.392
35.48	33.579
35.68	33.798
35.88	34.047
36.	34.205
36.02	34.229

	34.251
36.1	34.3
36.28	34.355
36.48	34.336
36.68	34.258
36.88	34.132
37.08	33.964
37.28	33.761
37.48	33.526
37.68	33.262
37.88	32.972
38.	32.788
38.02	32.76
38.04	32.734
38.1	32.673
38.28	32.58
38.48	32.555
38.68	32.59
38.88	32.673
39.08	32.798
39.28	32.96
39.48	33.153
39.68	33.375
39.88	33.625
40.	33.784
40.02	33.809
40.04	33.833
40.1	33.9
40.28	34.066
40.48	34.224
40.68	34.364
40.88	34.491
41.08	34.607
41.28	34.716
41.48	34.817
41.68	34.913
41.88	35.004
42.	35.057
42.02	35.066
42.04	35.075
42.1	35.101
42.28	35.178
42.48	35.26
42.68	35.341
42.88	35.419
43.08	35.495
43.28	35.57
43.48	35.644
43.68	35.716
43.88	35.787
44.	35.83
44.02	35.835
44.04	35.84
44.1	35.843
44.28	35.796
44.48	35.691
44.68	35.545
44.88	35.362
45.08	35.148
45.28	34.905
45.48	34.637
45.68	34.345
45.88	34.03
46.	33.834
46.02	33.802
46.04	33.771

	33.687
46.28	33.473
46.48	33.268
46.68	33.085
46.88	32.918
47.08	32.766
47.28	32.634
47.48	32.523
47.68	32.417
47.88	32.317
48.	32.259
48.02	32.25
48.04	32.24
48.1	32.212
48.28	32.131
48.48	32.044
48.68	31.961
48.88	31.881
49.08	31.804
49.28	31.73
49.48	31.658
49.68	31.589
49.88	31.521
50.	31.482
50.02	31.475
50.04	31.469
50.1	31.449
50.28	31.392
50.48	31.33
50.68	31.27
50.88	31.212
51.08	31.154
51.28	31.099
51.48	31.044
51.68	30.991
51.88	30.939
52.	30.908
52.02	30.903
52.04	30.898
52.1	30.882
52.28	30.837
52.48	30.788
52.68	30.74
52.88	30.693
53.08	30.647
53.28	30.602
53.48	30.557
53.68	30.513
53.88	30.47
54.	30.445
54.02	30.442
54.04	30.441
54.1	30.447
54.22	30.489
54.42	30.615
54.606	30.771
54.792	30.958
54.992	31.191
55.192	31.451
55.392	31.737
55.592	32.046
55.792	32.377
55.896	32.555
56.	32.739
56.02	32.773
56.04	32.806

	32.896
56.28	33.122
56.48	33.34
56.68	33.536
56.88	33.715
57.08	33.881
57.28	34.051
57.48	34.219
57.68	34.378
57.88	34.53
58.	34.618
58.02	34.634
58.04	34.652
58.1	34.714
58.28	34.958
58.48	35.28
58.68	35.643
58.88	36.04
59.08	36.467
59.28	36.92
59.48	37.398
59.68	37.898
59.88	38.42
60.	38.74
60.02	38.789
60.04	38.834
60.1	38.939
60.28	39.085
60.48	39.095
60.68	38.986
60.88	38.778
61.08	38.485
61.28	38.117
61.48	37.68
61.68	37.18
61.861	36.682
62.	36.27
62.02	36.215
62.04	36.164
62.1	36.036
62.28	35.798
62.48	35.656
62.68	35.604
62.88	35.625
63.08	35.705
63.28	35.837
63.48	36.015
63.68	36.232
63.88	36.486
64.	36.651
64.02	36.675
64.04	36.698
64.1	36.747
64.28	36.794
64.48	36.762
64.68	36.666
64.88	36.518
65.08	36.326
65.28	36.096
65.48	35.831
65.68	35.536
65.88	35.213
66.	35.009
66.02	34.976
66.04	34.944
66.1	34.858

	34.64
66.48	34.439
66.68	34.284
66.88	34.144
67.08	34.016
67.28	33.897
67.48	33.786
67.68	33.682
67.88	33.583
68.	33.525
68.02	33.516
68.04	33.506
68.1	33.479
68.28	33.398
68.48	33.313
68.68	33.231
68.88	33.152
69.08	33.076
69.28	33.003
69.48	32.932
69.68	32.864
69.88	32.797
70.	32.758
70.02	32.753
70.04	32.75
70.1	
70.239	32.789
70.439	32.903
70.632	33.055
70.826	33.242
71.026	33.468
71.226	33.722
71.426	34.002
71.626	34.307
71.826	34.634
72.	34.936
72.02	34.967
72.04	34.996
72.1	35.065
72.28	35.166
72.48	35.191
72.68	35.152
72.88	35.062
73.08	34.93
73.28	34.761
73.48	34.56
73.68	34.328
73.848	34.115
74.	33.906
74.02	33.88
74.04	33.855
74.1	33.788
74.28	33.628
74.48	33.481
74.68	33.355
74.88	33.242
75.08	33.14
75.28	33.046
75.48	32.958
75.68	32.876
75.88	32.798
76.	32.753
76.02	32.747
76.04	32.743
76.1	32.74
76.22	32.768

76.42	32.874
76.596	33.006
76.773	33.17
76.973	33.39
77.173	33.64
77.373	33.919
77.573	34.224
77.773	34.552
77.886	34.746
78.	34.948
78.02	34.981
78.04	35.01
78.1	35.081
78.28	35.185
78.48	35.212
78.68	35.174
78.88	35.084
79.08	34.952
79.28	34.781
79.48	34.578
79.68	34.344
79.845	34.132
80.	33.916
80.02	33.89
80.04	33.864
80.1	33.797
80.28	33.636
80.48	33.49
80.68	33.363
80.88	33.251
81.08	33.15
81.28	33.057
81.48	32.971
81.68	32.89
81.88	32.814
82.	32.77
82.02	32.762
82.04	32.755
82.1	32.734
82.28	32.672
82.48	32.607
82.68	32.545
82.88	32.485
83.08	32.428
83.28	32.373
83.48	32.319
83.68	32.267
83.88	32.217
84.	32.188
84.02	32.183
84.04	32.178
84.1	32.164
84.28	32.121
84.48	32.076
84.68	32.031
84.88	31.988
85.08	31.946
85.28	31.904
85.48	31.864
85.68	31.825
85.88	31.787
86.	31.764
86.02	31.76
86.04	31.756
86.1	31.745
86.28	31.712

	31.686
86.68	31.682
86.88	31.679
87.08	31.675
87.28	31.671
87.48	31.668
87.68	31.664
87.88	31.661
88.	31.658
88.02	
88.04	
88.1	31.657
88.28	31.654
88.48	31.65
88.68	31.647
88.88	31.644
89.08	31.64
89.28	31.637
89.48	31.634
89.68	31.63
89.88	31.627
90.	31.625
90.02	
90.04	
90.1	31.624
90.28	31.621
90.48	31.618
90.68	31.615
90.88	31.612
91.08	31.608
91.28	31.605
91.48	31.602
91.68	31.599
91.88	31.596
92.	31.595
92.02	31.594
92.04	
92.1	31.593
92.28	31.591
92.48	31.588
92.68	31.585
92.88	31.582
93.08	31.579
93.28	31.576
93.48	31.573
93.68	31.571
93.88	31.568
94.	31.566
94.02	
94.04	
94.1	31.565
94.28	31.562
94.48	31.56
94.68	31.557
94.88	31.554
95.08	31.552
95.28	31.549
95.48	31.546
95.68	31.544
95.88	31.541
96.	31.539
96.02	
96.04	
96.1	31.538
96.22	31.552
96.42	31.594

96.604	31.642
96.788	31.697
96.988	31.764
97.188	31.839
97.388	32.064
97.588	32.43
97.788	32.821
97.894	33.034
98.	33.254
98.02	33.293
98.04	33.328
98.1	33.414
98.28	33.557
98.48	33.62
98.68	33.613
98.88	33.55
99.08	33.44
99.28	33.29
99.48	33.103
99.68	32.883
99.83	32.701
99.915	32.592
100.	32.478
100.02	32.453
100.04	32.429
100.1	32.365
100.28	32.218
100.48	32.088
100.68	32.018
100.88	32.009
101.08	32.002
101.28	31.996
101.48	31.992
101.68	31.988
101.88	31.984
102.	31.982
102.02	31.981
102.04	
102.1	31.98
102.28	31.976
102.48	31.973
102.68	31.969
102.88	31.966
103.08	31.962
103.28	31.959
103.48	31.956
103.68	31.952
103.88	31.949
104.	31.947
104.02	
104.04	31.946
104.1	31.945
104.28	31.943
104.48	31.939
104.68	31.936
104.88	31.933
105.08	31.93
105.28	31.927
105.48	31.924
105.68	31.921
105.88	31.918
106.	31.916
106.02	
106.04	31.915
106.1	31.914
106.28	31.912

106.48	31.909
106.68	31.906
106.88	31.903
107.08	31.9
107.28	31.897
107.48	31.894
107.68	31.892
107.88	31.889
108.	31.887
108.02	
108.04	
108.1	31.886
108.22	31.903
108.42	31.953
108.61	32.01
108.79	32.075
108.99	32.154
109.19	32.241
109.39	32.471
109.59	32.9
109.79	33.356
109.9	33.599
110.	33.848
110.02	33.895
110.04	33.94
110.1	34.064
110.28	34.375
110.48	34.674
110.68	34.941
110.88	35.185
111.08	35.443
111.28	35.685
111.48	35.911
111.68	36.123
111.88	36.324
112.	36.44
112.02	36.458
112.04	36.474
112.1	36.508
112.28	36.531
112.48	36.483
112.68	36.374
112.88	36.213
113.08	36.007
113.28	35.759
113.48	35.473
113.68	35.152
113.87	34.823
114.	34.575
114.02	34.539
114.04	34.505
114.1	34.411
114.28	34.184
114.48	33.987
114.68	33.833
114.88	33.698
115.08	33.577
115.28	33.467
115.48	33.367
115.68	33.274
115.88	33.187
116.	33.137
116.02	33.129
116.04	33.121
116.1	33.097
116.28	33.028

116.48	32.957
116.68	32.938
116.88	32.934
117.08	32.93
117.28	32.925
117.48	32.921
117.68	32.917
117.88	32.913
118.	32.91
118.02	
118.04	
118.1	32.908
118.28	32.905
118.48	32.901
118.68	32.897
118.88	32.893
119.08	32.889
119.28	32.886
119.48	32.882
119.68	32.878
119.88	32.875
120.	32.873
120.02	32.872
120.04	
120.1	32.871
120.28	32.868
120.48	32.864
120.68	32.861
120.88	32.858
121.08	32.854
121.28	32.851
121.48	32.848
121.68	32.845
121.88	32.841
122.	32.84
122.02	32.839
122.04	
122.1	32.838
122.28	32.835
122.48	32.832
122.68	32.829
122.88	32.826
123.08	32.823
123.28	32.82
123.48	32.817
123.68	32.814
123.88	32.811
124.	32.81
124.02	
124.04	32.809
124.1	32.808
124.28	32.806
124.48	32.803
124.68	32.8
124.88	32.798
125.08	32.795
125.28	32.792
125.48	32.79
125.68	32.787
125.88	32.784
126.	32.783
126.02	
126.04	32.782
126.1	
126.28	32.779
126.48	32.777

126.68	32.774
126.88	32.772
127.08	32.769
127.28	32.767
127.48	32.764
127.68	32.762
127.88	32.759
128.	32.758
128.02	
128.04	32.757
128.1	
128.28	32.755
128.48	32.752
128.68	32.75
128.88	32.747
129.08	32.745
129.28	32.743
129.48	32.74
129.68	32.738
129.88	32.736
130.	32.735
130.02	32.734
130.04	
130.1	
130.22	32.756
130.42	32.81
130.62	32.874
130.81	32.949
131.01	33.034
131.21	33.128
131.41	33.23
131.61	33.469
131.81	33.962
132.	34.453
132.02	34.502
132.04	34.546
132.1	34.654
132.28	34.837
132.48	34.921
132.68	34.948
132.88	34.894
133.08	34.774
133.28	34.593
133.48	34.36
133.68	34.079
133.83	33.835
133.92	33.696
134.	33.551
134.02	33.517
134.04	33.488
134.1	33.411
134.28	33.387
134.48	33.368
134.68	33.354
134.88	33.344
135.08	33.336
135.28	33.329
135.48	33.324
135.68	33.319
135.88	33.315
136.	33.312
136.02	
136.04	
136.1	33.31
136.28	33.307
136.48	33.303

136.68	33.3
136.88	33.296
137.08	33.293
137.28	33.29
137.48	33.286
137.68	33.283
137.88	33.28
138.	33.278
138.02	
138.04	33.277
138.1	33.276
138.28	33.274
138.48	33.27
138.68	33.267
138.88	33.264
139.08	33.261
139.28	33.258
139.48	33.255
139.68	33.252
139.88	33.25
140.	33.248
140.01	
140.02	
140.05	33.247
140.14	33.246
140.24	33.244
140.34	33.243
140.44	33.242
140.54	33.24
140.64	33.239
140.74	33.238
140.84	33.236
140.94	33.235
141.	33.234
141.01	
141.02	
141.05	33.233
141.14	33.232
141.24	33.231
141.34	33.229
141.44	33.228
141.54	33.227
141.64	33.225
141.74	33.224
141.84	33.223
141.94	33.221
142.	
142.01	33.22
142.02	
142.05	
142.14	33.219
142.24	33.217
142.34	33.216
142.44	33.215
142.54	33.214
142.64	33.212
142.74	33.211
142.84	33.21
142.94	33.209
143.	33.208
143.01	
143.02	
143.05	33.207
143.14	33.206
143.24	33.205
143.34	33.204

143.44	33.202
143.54	33.201
143.64	33.2
143.74	33.199
143.84	33.197
143.94	33.196
144.	33.195
144.01	
144.02	
144.05	
144.14	33.194
144.24	33.193
144.34	33.191
144.44	33.19
144.54	33.189
144.64	33.188
144.74	33.187
144.84	33.185
144.94	33.184
145.	
145.01	33.183
145.02	
145.05	
145.14	33.182
145.24	33.181
145.34	33.18
145.44	33.178
145.54	33.177
145.64	33.176
145.74	33.175
145.84	33.174
145.94	33.173
146.	33.172
146.01	
146.02	
146.05	33.171
146.14	33.17
146.24	33.169
146.34	33.168
146.44	33.167
146.54	33.166
146.64	33.165
146.74	33.164
146.84	33.163
146.94	33.161
147.	
147.01	
147.02	
147.05	33.16
147.14	33.159
147.24	33.158
147.34	33.157
147.44	33.156
147.54	33.155
147.64	33.154
147.74	33.153
147.84	33.152
147.94	33.151
148.	33.15
148.01	
148.02	
148.03	33.149
148.06	33.15
148.11	33.17
148.21	33.223
148.31	33.289

148.41	33.364
148.51	33.449
148.61	33.542
148.71	33.643
148.81	33.75
148.91	33.864
149.	34.251
149.01	34.3
149.02	34.346
149.05	34.464
149.14	34.685
149.24	34.811
149.34	34.867
149.44	34.854
149.54	34.773
149.64	34.633
149.74	34.439
149.84	34.197
149.94	33.915
150.	33.772
150.01	33.766
150.02	33.761
150.05	33.747
150.14	33.714
150.24	33.686
150.34	33.663
150.44	33.644
150.54	33.629
150.64	33.616
150.74	33.605
150.84	33.596
150.94	33.588
151.	33.584
151.01	
151.02	33.585
151.05	33.591
151.11	33.611
151.21	33.663
151.3	33.724
151.4	33.797
151.5	33.883
151.6	33.979
151.7	34.292
151.8	34.772
151.9	35.29
151.95	35.568
152.	35.857
152.01	35.909
152.02	35.959
152.05	36.089
152.14	36.337
152.24	36.485
152.34	36.532
152.44	36.494
152.54	36.386
152.64	36.215
152.74	35.988
152.84	35.71
152.94	35.385
153.	35.175
153.01	35.141
153.02	35.108
153.05	35.017
153.14	34.796
153.24	34.592
153.34	34.418

153.44	34.266
153.54	34.132
153.64	34.054
153.74	34.042
153.84	34.032
153.94	34.023
154.	34.019
154.01	34.018
154.02	34.017
154.05	34.015
154.14	34.01
154.24	34.004
154.34	34.
154.44	33.996
154.54	33.992
154.64	33.989
154.74	33.986
154.84	33.983
154.94	33.981
155.	33.979
155.01	
155.02	
155.05	33.978
155.14	33.976
155.24	33.973
155.34	33.971
155.44	33.969
155.54	33.967
155.64	33.965
155.74	33.963
155.84	33.961
155.94	33.959
156.	33.958
156.01	
156.02	33.957
156.05	
156.14	33.955
156.24	33.953
156.34	33.951
156.44	33.949
156.54	33.948
156.64	33.946
156.74	33.944
156.84	33.942
156.94	33.94
157.	33.939
157.01	
157.02	
157.04	
157.07	33.948
157.13	33.98
157.23	34.045
157.33	34.124
157.43	34.215
157.53	34.316
157.63	34.427
157.73	34.823
157.83	35.393
157.93	36.002
158.	36.438
158.01	36.499
158.02	36.556
158.05	36.705
158.14	36.996
158.24	37.176
158.34	37.241

158.44	37.213
158.54	37.104
158.64	36.926
158.74	36.684
158.84	36.385
158.94	36.04
159.	35.805
159.01	35.768
159.02	35.733
159.05	35.635
159.14	35.396
159.24	35.178
159.34	34.992
159.44	34.83
159.54	34.687
159.64	34.559
159.74	34.462
159.84	34.451
159.94	34.441
160.	34.436
160.01	34.435
160.02	34.434
160.05	34.432
160.14	34.426
160.24	34.421
160.34	34.416
160.44	34.411
160.54	34.407
160.64	34.403
160.74	34.4
160.84	34.397
160.94	34.394
161.	
161.01	34.392
161.02	
161.05	34.391
161.14	34.389
161.24	34.386
161.34	34.384
161.44	34.381
161.54	34.379
161.64	34.377
161.74	34.374
161.84	34.372
161.94	34.37
162.	
162.01	34.368
162.02	
162.05	34.367
162.14	34.365
162.24	34.363
162.34	34.361
162.44	34.358
162.54	34.356
162.64	34.354
162.74	34.352
162.84	34.35
162.94	34.348
163.	
163.01	34.346
163.02	
163.05	34.345
163.14	34.343
163.24	34.341
163.34	34.339
163.44	34.337

163.54	34.335
163.64	34.333
163.74	34.331
163.84	34.329
163.94	34.327
164.	34.326
164.01	34.325
164.02	
164.04	
164.07	34.329
164.13	34.361
164.23	34.431
164.33	34.516
164.43	34.614
164.53	34.724
164.63	34.844
164.73	35.232
164.83	35.853
164.93	36.517
165.	37.034
165.01	37.1
165.02	37.163
165.05	37.325
165.14	37.645
165.24	37.844
165.34	37.919
165.44	37.892
165.54	37.778
165.64	37.587
165.74	37.328
165.84	37.007
165.94	36.637
166.	36.383
166.01	36.343
166.02	36.305
166.05	36.199
166.14	35.943
166.24	35.709
166.34	35.509
166.44	35.336
166.54	35.183
166.64	35.046
166.74	34.922
166.84	34.881
166.94	34.87
167.	34.865
167.01	34.864
167.02	
167.05	34.861
167.14	34.855
167.24	34.849
167.34	34.843
167.44	34.839
167.54	34.834
167.64	34.83
167.74	34.827
167.84	34.823
167.94	34.82
168.	34.819
168.01	34.818
168.02	
168.05	34.817
168.14	34.815
168.24	34.812
168.34	34.81
168.44	34.807

168.54	34.805
168.64	34.802
168.74	34.8
168.84	34.797
168.94	34.795
169.	34.793
169.01	
169.02	
169.05	34.792
169.14	34.79
169.24	34.788
169.34	34.785
169.44	34.783
169.54	34.781
169.64	34.778
169.74	34.776
169.84	34.774
169.94	34.772
170.	34.77
170.01	
170.02	
170.05	34.769
170.14	34.767
170.24	34.765
170.34	34.763
170.44	34.76
170.54	34.758
170.64	34.756
170.74	34.754
170.84	34.752
170.94	34.75
171.	34.748
171.01	
171.02	
171.05	34.747
171.14	34.745
171.24	34.743
171.34	34.741
171.44	34.739
171.54	34.737
171.64	34.735
171.74	34.733
171.84	34.731
171.94	34.728
172.	34.727
172.01	
172.02	
172.05	34.726
172.14	34.724
172.24	34.722
172.34	34.72
172.44	34.718
172.54	34.716
172.64	34.714
172.74	34.712
172.84	34.71
172.94	34.708
173.	34.707
173.01	
173.02	
173.05	34.706
173.14	34.704
173.24	34.702
173.34	34.7
173.44	34.699
173.54	34.697

173.64	34.695
173.74	34.693
173.84	34.691
173.94	34.689
174.	34.688
174.01	
174.02	34.687
174.05	
174.14	34.685
174.24	34.683
174.34	34.681
174.44	34.679
174.54	34.678
174.64	34.676
174.74	34.674
174.84	34.672
174.94	34.67
175.	34.669
175.01	
175.02	
175.05	34.668
175.14	34.667
175.24	34.665
175.34	34.663
175.44	34.661
175.54	34.659
175.64	34.657
175.74	34.656
175.84	34.654
175.94	34.652
176.	34.651
176.01	
176.02	
176.03	34.65
176.06	
176.11	34.676
176.21	34.75
176.31	34.84
176.41	34.944
176.51	35.061
176.61	35.188
176.71	35.326
176.81	35.576
176.91	36.291
177.	36.942
177.01	37.014
177.02	37.082
177.05	37.259
177.14	37.609
177.24	37.83
177.34	37.918
177.44	37.896
177.54	37.781
177.64	37.584
177.74	37.314
177.84	36.977
177.94	36.589
178.	36.319
178.01	36.278
178.02	36.237
178.05	36.126
178.14	35.858
178.24	35.613
178.34	35.406
178.44	35.319
178.54	35.297

178.64	35.28
178.74	35.265
178.84	35.252
178.94	35.241
179.	35.236
179.01	35.235
179.02	35.234
179.05	35.232
179.14	35.225
179.24	35.219
179.34	35.214
179.44	35.209
179.54	35.205
179.64	35.201
179.74	35.198
179.84	35.195
179.94	35.192
180.	35.191
180.01	35.19
180.02	
180.05	35.189
180.14	35.187
180.24	35.184
180.34	35.182
180.44	35.179
180.54	35.177
180.64	35.175
180.74	35.172
180.84	35.17
180.94	35.168
181.	35.166
181.01	
181.02	
181.05	35.165
181.14	35.163
181.24	35.161
181.34	35.159
181.44	35.156
181.54	35.154
181.64	35.152
181.74	35.15
181.84	35.148
181.94	35.145
182.	35.144
182.01	
182.02	
182.05	35.143
182.14	35.141
182.24	35.139
182.34	35.137
182.44	35.134
182.54	35.132
182.64	35.13
182.74	35.128
182.84	35.126
182.94	35.124
183.	35.122
183.01	
183.02	
183.03	
183.06	
183.12	35.153
183.22	35.23
183.32	35.324
183.42	35.432
183.52	35.553

183.62	35.686
183.72	35.829
183.82	36.486
183.92	37.222
184.	37.851
184.01	37.925
184.02	37.995
184.05	38.176
184.14	38.533
184.24	38.756
184.34	38.841
184.44	38.813
184.54	38.689
184.64	38.48
184.74	38.195
184.84	37.841
184.94	37.433
185.	37.152
185.01	37.108
185.02	37.066
185.05	36.949
185.14	36.667
185.24	36.409
185.34	36.191
185.44	36.001
185.54	35.834
185.64	35.768
185.74	35.753
185.84	35.74
185.94	35.728
186.	35.723
186.01	35.722
186.02	
186.05	35.731
186.11	35.761
186.21	35.835
186.3	35.922
186.4	36.203
186.5	36.688
186.6	37.242
186.7	37.86
186.8	38.536
186.9	39.267
187.	40.056
187.01	40.131
187.02	40.201
187.05	40.382
187.14	40.729
187.24	40.932
187.34	40.991
187.44	40.931
187.54	40.77
187.64	40.52
187.74	40.191
187.84	39.79
187.94	39.323
188.	39.02
188.01	38.971
188.02	38.924
188.05	38.794
188.14	38.474
188.24	38.18
188.34	37.927
188.44	37.707
188.54	37.511
188.64	37.334

188.74	37.174
188.84	37.026
188.94	36.89
189.	36.812
189.01	36.799
189.02	36.786
189.05	36.749
189.14	36.643
189.24	36.533
189.34	36.429
189.44	36.332
189.54	36.288
189.64	36.283
189.74	36.278
189.84	36.274
189.94	36.27
190.	36.268
190.01	
190.02	36.267
190.05	36.266
190.14	36.263
190.24	36.26
190.34	36.256
190.44	36.253
190.54	36.25
190.64	36.246
190.74	36.243
190.84	36.24
190.94	36.237
191.	36.235
191.01	
191.02	
191.05	36.234
191.14	36.231
191.24	36.228
191.34	36.225
191.44	36.222
191.54	36.219
191.64	36.216
191.74	36.213
191.84	36.21
191.94	36.207
192.	36.206
192.01	36.205
192.02	
192.05	36.204
192.14	36.202
192.24	36.199
192.34	36.196
192.44	36.193
192.54	36.19
192.64	36.188
192.74	36.185
192.84	36.182
192.94	36.18
193.	36.178
193.01	
193.02	36.177
193.05	
193.14	36.174
193.24	36.172
193.34	36.169
193.44	36.166
193.54	36.164
193.64	36.161
193.74	36.158

193.84	36.156
193.94	36.153
194.	36.152
194.01	
194.02	36.151
194.04	
194.07	36.156
194.13	36.195
194.2	36.244
194.26	36.3
194.36	36.405
194.46	36.525
194.56	36.657
194.66	36.859
194.76	37.547
194.86	38.288
194.96	39.077
195.	39.404
195.01	39.481
195.02	39.554
195.05	39.744
195.14	40.116
195.24	40.346
195.34	40.433
195.44	40.4
195.54	40.266
195.64	40.043
195.74	39.74
195.84	39.365
195.94	38.934
196.	38.636
196.01	38.592
196.02	38.552
196.05	38.459
196.14	38.367
196.24	38.436
196.34	38.639
196.44	38.951
196.54	39.357
196.64	39.843
196.74	40.403
196.84	41.027
196.94	41.712
197.	42.144
197.01	42.212
197.02	42.276
197.05	42.44
197.14	42.74
197.24	42.896
197.34	42.913
197.44	42.816
197.54	42.621
197.64	42.341
197.74	41.984
197.84	41.557
197.94	41.067
198.	40.751
198.01	40.7
198.02	40.651
198.05	40.514
198.14	40.176
198.24	39.862
198.34	39.591
198.44	39.352
198.54	39.139
198.64	38.946

198.74	38.77
198.84	38.608
198.94	38.457
199.	38.371
199.01	38.357
199.02	38.342
199.05	38.301
199.14	38.183
199.24	38.06
199.34	37.945
199.44	37.835
199.54	37.731
199.64	37.632
199.74	37.538
199.84	37.448
199.94	37.362
200.	37.325
200.01	
200.02	
200.05	37.323
200.14	37.32
200.24	37.316
200.34	37.312
200.44	37.309
200.54	37.305
200.64	37.301
200.74	37.298
200.84	37.294
200.94	37.291
201.	37.288
201.01	
201.02	
201.05	37.287
201.1	37.313
201.2	37.389
201.29	37.475
201.38	37.631
201.48	38.133
201.58	38.704
201.68	39.338
201.78	40.029
201.88	40.775
201.94	41.252
202.	41.747
202.01	41.824
202.02	41.896
202.05	42.084
202.14	42.447
202.24	42.664
202.34	42.733
202.44	42.681
202.54	42.525
202.64	42.278
202.74	41.95
202.84	41.549
202.94	41.085
203.	40.775
203.01	40.726
203.02	40.679
203.05	40.548
203.14	40.227
203.24	39.93
203.34	39.677
203.44	39.455
203.54	39.257
203.64	39.079

203.74	38.916
203.84	38.767
203.94	38.629
204.	38.55
204.01	38.537
204.02	38.524
204.05	38.486
204.14	38.378
204.24	38.266
204.34	38.16
204.44	38.059
204.54	37.964
204.64	37.874
204.74	37.857
204.84	37.852
204.94	37.848
205.	37.845
205.01	
205.02	37.844
205.05	37.843
205.14	37.84
205.24	37.836
205.34	37.832
205.44	37.828
205.54	37.825
205.64	37.821
205.74	37.818
205.84	37.814
205.94	37.811
206.	37.809
206.01	37.808
206.02	
206.04	37.807
206.09	37.83
206.18	37.9
206.26	37.98
206.35	38.073
206.45	38.387
206.55	38.971
206.65	39.621
206.75	40.333
206.85	41.102
206.95	41.925
207.	42.358
207.01	42.439
207.02	42.516
207.05	42.713
207.14	43.096
207.24	43.327
207.34	43.403
207.44	43.352
207.54	43.193
207.64	42.938
207.74	42.599
207.84	42.182
207.94	41.701
208.	41.378
208.01	41.327
208.02	41.277
208.05	41.141
208.14	40.808
208.24	40.501
208.34	40.238
208.44	40.008
208.54	39.804
208.64	39.62

208.74	39.453
208.84	39.299
208.94	39.157
209.	39.075
209.01	39.061
209.02	39.048
209.05	39.009
209.14	38.898
209.24	38.782
209.34	38.673
209.44	38.57
209.54	38.472
209.64	38.414
209.74	38.408
209.84	38.403
209.94	38.399
210.	38.396
210.01	
210.02	38.395
210.05	38.394
210.14	38.391
210.24	38.387
210.34	38.383
210.44	38.379
210.54	38.375
210.64	38.372
210.74	38.368
210.84	38.365
210.94	38.361
211.	38.359
211.01	
211.02	38.358
211.04	
211.09	38.382
211.18	38.454
211.26	38.536
211.35	38.631
211.45	38.911
211.55	39.512
211.65	40.181
211.75	40.913
211.85	41.705
211.95	42.551
212.	43.
212.01	43.083
212.02	43.162
212.05	43.365
212.14	43.759
212.24	43.996
212.34	44.075
212.44	44.023
212.54	43.859
212.64	43.597
212.74	43.247
212.84	42.819
212.94	42.323
213.	41.991
213.01	41.941
213.02	41.895
213.05	41.789
213.14	41.675
213.21	41.685
213.28	41.773
213.38	42.038
213.48	42.414
213.58	42.888

213.68	43.447
213.78	44.082
213.88	44.788
213.94	45.247
214.	45.73
214.01	45.804
214.02	45.874
214.05	46.052
214.14	46.375
214.24	46.538
214.34	46.547
214.44	46.429
214.54	46.204
214.64	45.885
214.74	45.481
214.84	45.
214.94	44.449
215.	44.094
215.01	44.039
215.02	43.989
215.05	43.87
215.14	43.729
215.22	43.732
215.29	43.833
215.39	44.104
215.49	44.492
215.59	44.979
215.69	45.556
215.79	46.214
215.89	46.945
215.95	47.36
216.	47.795
216.01	47.873
216.02	47.95
216.05	48.164
216.14	48.716
216.24	49.25
216.34	49.726
216.44	50.158
216.54	50.554
216.64	50.921
216.74	51.264
216.84	51.585
216.94	51.889
217.	52.064
217.01	52.094
217.02	52.123
217.05	52.21
217.14	52.465
217.24	52.741
217.34	53.009
217.44	53.271
217.54	53.525
217.64	53.774
217.74	54.017
217.84	54.254
217.94	54.487
218.	54.624
218.01	54.647
218.02	54.67
218.05	54.738
218.14	54.939
218.24	55.158
218.34	55.373
218.44	55.584
218.54	55.792

	55.996
218.74	56.198
218.84	56.396
218.94	56.591
219.	56.707
219.01	56.726
219.02	56.745
219.05	56.803
219.14	56.973
219.24	57.16
219.34	57.344
219.44	57.525
219.54	57.705
219.64	57.881
219.74	58.056
219.84	58.229
219.94	58.399
220.	58.501
220.01	58.517
220.02	58.534
220.05	58.585
220.14	58.734
220.24	58.897
220.34	59.059
220.44	59.218
220.54	59.376
220.64	59.531
220.74	59.685
220.84	59.837
220.94	59.988
221.	60.078
221.01	60.09
221.02	60.1
221.05	60.112
221.14	60.016
221.24	59.784
221.34	59.448
221.44	59.025
221.54	58.523
221.64	57.951
221.74	57.315
221.84	56.619
221.94	55.867
222.	55.396
222.01	55.32
222.02	55.245
222.05	55.036
222.14	54.495
222.24	53.972
222.34	53.505
222.44	53.083
222.54	52.695
222.64	52.337
222.74	52.003
222.84	51.69
222.94	51.395
223.	51.224
223.01	51.198
223.02	51.175
223.05	51.127
223.14	
223.23	51.237
223.31	51.44
223.41	51.777
223.51	52.205
223.61	52.716

223.71	53.302
223.81	53.957
223.91	54.677
224.	55.342
224.01	55.417
224.02	55.49
224.05	55.695
224.14	56.214
224.24	56.709
224.34	57.144
224.44	57.532
224.54	57.885
224.64	58.207
224.74	58.503
224.84	58.778
224.94	59.034
225.	59.182
225.01	59.206
225.02	59.231
225.05	59.305
225.14	59.525
225.24	59.767
225.34	60.006
225.44	60.24
225.54	60.471
225.64	60.699
225.74	60.923
225.84	61.144
225.94	61.362
226.	61.492
226.01	61.513
226.02	61.535
226.05	61.598
226.14	61.781
226.24	61.977
226.34	62.167
226.44	62.352
226.54	62.532
226.64	62.707
226.74	62.879
226.84	63.047
226.94	63.212
227.	63.31
227.01	63.326
227.02	63.342
227.05	63.389
227.14	63.521
227.24	63.66
227.34	63.792
227.44	63.917
227.54	64.036
227.64	64.15
227.74	64.259
227.84	64.363
227.94	64.462
228.	64.521
228.01	64.53
228.02	64.541
228.05	64.572
228.14	64.675
228.24	64.796
228.34	64.923
228.44	65.054
228.54	65.189
228.64	65.326
228.74	65.466

	65.608
228.94	65.752
229.	65.84
229.01	65.854
229.02	65.868
229.05	65.911
229.14	66.033
229.24	66.164
229.34	66.292
229.44	66.418
229.54	66.54
229.64	66.661
229.74	66.78
229.84	66.897
229.94	67.012
230.	67.081
230.01	67.092
230.02	67.104
230.05	67.138
230.14	67.239
230.24	67.351
230.34	67.461
230.44	67.57
230.54	67.678
230.64	67.785
230.74	67.89
230.84	67.995
230.94	68.099
231.	68.161
231.01	68.171
231.02	68.181
231.05	68.212
231.14	68.303
231.24	68.404
231.34	68.503
231.44	68.601
231.54	68.698
231.64	68.795
231.74	68.89
231.84	68.985
231.94	69.078
232.	69.134
232.01	69.146
232.02	69.159
232.05	69.217
232.14	69.507
232.24	69.94
232.34	70.464
232.44	71.066
232.54	71.737
232.64	72.469
232.74	73.256
232.84	74.096
232.94	74.984
233.	75.533
233.01	75.621
233.02	75.704
233.05	75.925
233.14	76.39
233.24	76.721
233.34	76.907
233.44	76.972
233.54	76.935
233.64	76.807
233.74	76.599
233.84	76.317

	75.968
234.	75.735
234.01	75.698
234.02	75.662
234.05	75.567
234.14	75.35
234.24	75.168
234.34	75.027
234.44	74.916
234.54	74.827
234.64	74.757
234.74	74.701
234.84	74.657
234.94	74.623
235.	74.605
235.01	74.603
235.02	74.6
235.05	74.592
235.14	74.576
235.24	74.562
235.34	74.555
235.44	74.551
235.54	
235.64	74.555
235.74	74.562
235.84	74.571
235.94	74.583
236.	74.591
236.01	74.592
236.02	74.594
236.05	74.598
236.14	74.613
236.24	74.631
236.34	74.65
236.44	74.671
236.54	74.693
236.64	74.716
236.74	74.741
236.84	74.766
236.94	74.792
237.	74.807
237.01	74.812
237.02	74.819
237.05	74.856
237.14	75.081
237.24	75.441
237.34	75.89
237.44	76.415
237.54	77.008
237.64	77.662
237.74	78.371
237.84	79.131
237.94	79.938
238.	80.439
238.01	80.519
238.02	80.595
238.05	80.794
238.14	81.201
238.24	81.476
238.34	81.612
238.44	81.632
238.54	81.555
238.64	81.392
238.74	81.151
238.84	80.841
238.94	80.467

239.	22.25	80.221
239.01		80.186
239.02		80.156
239.05		80.112
239.14		80.275
239.24		80.733
239.34		81.41
239.44		82.271
239.54		83.288
239.64		84.445
239.74		85.727
239.84		87.124
239.94		88.626
240.		89.564
240.01		89.715
240.02		89.861
240.05		90.257
240.14		91.187
240.24		91.983

240.34	22.247	92.596
240.44	22.24	93.062
240.54	22.232	93.404
240.64	22.225	93.64
240.74	22.218	93.781
240.84	22.211	93.839
240.94	22.204	93.819
241.	22.199	93.781
241.01	22.198	93.774
241.02		93.766
241.05	22.196	93.733
241.14	22.189	93.572
241.24	22.182	93.322
241.34	22.174	93.006
241.44	22.167	92.629
241.54	22.159	92.194
241.64	22.152	91.706
241.74	22.144	91.166
241.84	22.137	90.578
241.94	22.129	89.944
242.	22.125	89.547
242.01	22.124	89.482
242.02	22.123	89.42
242.05	22.121	89.246
242.14	22.114	88.81
242.24	22.107	88.402
242.34	22.099	88.049
242.44	22.092	87.74
242.54	22.084	87.466
242.64	22.077	87.219
242.74	22.069	86.997
242.84	22.061	86.795
242.94	22.054	86.611
243.	22.049	86.506
243.01		86.491
243.02	22.048	86.478
243.05	22.046	86.456
243.14	22.039	86.512
243.24	22.031	86.692
243.34	22.023	86.969
243.44	22.016	87.331
243.54	22.008	87.766
243.64	22.	88.267
243.74	21.992	88.83
243.84	21.985	89.448
243.94	21.977	90.12
244.	21.972	90.54
244.01	21.971	90.607
244.02	21.97	90.67
244.05	21.968	90.829
244.14	21.961	91.121
244.24	21.953	91.272
244.34	21.945	91.288
244.44	21.937	91.192
244.54	21.929	91.
244.64	21.921	90.726
244.74	21.912	90.377
244.84	21.904	89.961
244.94	21.896	89.484
245.	21.891	89.176
245.01	21.89	89.131
245.02	21.889	89.091
245.05	21.887	89.017
245.14	21.88	89.094
245.24	21.871	89.46

245.34	21.863	90.049
245.44	21.855	90.824
245.54	21.846	91.759
245.64	21.838	92.836
245.74	21.829	94.041
245.84	21.821	95.362
245.94	21.812	96.792
246.	21.807	97.687
246.01	21.806	97.828
246.02		97.963
246.05	21.803	98.307
246.14	21.795	98.962
246.24	21.787	99.34
246.34	21.778	99.442
246.44	21.769	99.317
246.54	21.76	98.999
246.64	21.752	98.513
246.74	21.743	97.875
246.84	21.734	97.101
246.94	21.725	96.2
247.	21.72	95.617
247.01	21.719	95.523
247.02	21.718	95.432
247.05	21.716	95.182
247.14	21.708	94.571
247.24	21.699	94.009
247.34	21.69	93.532
247.44	21.681	93.117
247.54	21.672	92.75
247.64	21.663	92.421
247.74	21.654	92.124
247.84	21.646	91.853
247.94	21.637	91.604
248.	21.631	91.463
248.01	21.63	91.441
248.02		91.422
248.05	21.627	91.384
248.14	21.619	91.394
248.24	21.61	91.528
248.34	21.601	91.765
248.44	21.592	92.089
248.54	21.584	92.491
248.64	21.575	92.962
248.74	21.566	93.496
248.84	21.557	94.09
248.94	21.548	94.737
249.	21.543	95.145
249.01	21.542	95.211
249.02	21.541	95.276
249.05	21.538	95.458
249.14	21.53	95.93
249.24	21.521	96.391
249.34	21.512	96.807
249.44	21.503	97.187
249.54	21.494	97.54
249.64	21.485	97.871
249.74	21.476	98.183
249.84	21.467	98.479
249.94	21.458	98.762
250.	21.452	98.927
250.01	21.451	98.955
250.02	21.45	98.982
250.05	21.448	99.063
250.14	21.439	99.296
250.24	21.43	99.545
250.34	21.421	99.786

250.44	21.412	100.02
250.54	21.402	100.24
250.64	21.393	100.46
250.74	21.384	100.68
250.84	21.374	100.89
250.94	21.365	101.09
251.	21.359	101.21
251.01	21.358	101.23
251.02	21.357	101.24
251.05	21.355	101.27
251.14	21.346	101.26
251.24	21.337	101.14
251.34	21.327	100.92
251.44	21.318	100.64
251.54	21.309	100.28
251.64	21.299	99.868
251.74	21.29	99.399
251.84	21.28	98.879
251.94	21.271	98.312
252.	21.265	97.955
252.01	21.264	97.899
252.02	21.263	97.847
252.05	21.261	97.716
252.14	21.252	97.504
252.24	21.243	97.434
252.34	21.233	97.493
252.44	21.224	97.658
252.54	21.215	97.914
252.64	21.205	98.25
252.74	21.196	98.656
252.84	21.187	99.126
252.94	21.177	99.655
253.	21.172	99.992
253.01	21.171	100.05
253.02	21.17	100.1
253.05	21.167	100.25
253.14	21.158	100.63
253.24	21.149	101.
253.34	21.14	101.33
253.44	21.13	101.63
253.54	21.121	101.9
253.64	21.111	102.16
253.74	21.102	102.4
253.84	21.092	102.63
253.94	21.083	102.85
254.	21.077	102.98
254.01	21.076	103.
254.02	21.075	103.02
254.05	21.072	103.08
254.14	21.064	103.28
254.24	21.054	103.5
254.34	21.044	103.72
254.44	21.035	103.95
254.54	21.025	104.17
254.64	21.016	104.4
254.74	21.006	104.62
254.84	20.996	104.85
254.94	20.987	105.07
255.	20.981	105.21
255.01	20.98	105.23
255.02	20.979	105.25
255.05	20.976	105.31
255.14	20.967	105.48
255.24	20.958	105.66
255.34	20.948	105.81
255.44	20.938	105.96

	20.928	106.09
255.64	20.919	106.22
255.74	20.909	106.33
255.84	20.899	106.44
255.94	20.889	106.54
256.	20.884	106.6
256.01	20.883	106.61
256.02	20.882	106.62
256.05	20.879	106.68
256.14	20.87	106.96
256.24	20.86	107.38
256.34	20.85	107.89
256.44	20.841	108.47
256.54	20.831	109.1
256.64	20.821	109.8
256.74	20.811	110.55
256.84	20.801	111.34
256.94	20.791	112.18
257.	20.785	112.7
257.01	20.784	112.78
257.02	20.783	112.86
257.05	20.78	113.07
257.14	20.771	113.52
257.24	20.761	113.85
257.34	20.751	114.05
257.44	20.741	114.14
257.54	20.731	
257.64	20.721	114.05
257.74	20.711	113.89
257.84	20.701	113.66
257.94	20.691	113.38
258.	20.685	113.18
258.01	20.684	113.15
258.02	20.683	113.12
258.05	20.68	113.05
258.14	20.671	112.88
258.24	20.661	112.74
258.34	20.651	112.65
258.44	20.641	112.58
258.54	20.63	112.54
258.64	20.62	112.51
258.74	20.61	112.49
258.84	20.6	
258.94	20.59	
259.	20.584	112.5
259.01	20.583	
259.02	20.582	
259.05	20.579	
259.14	20.57	112.52
259.24	20.559	112.55
259.34	20.549	112.58
259.44	20.539	112.61
259.54	20.529	112.65
259.64	20.519	112.69
259.74	20.508	112.73
259.84	20.498	112.78
259.94	20.488	112.83
260.	20.482	112.86
260.01	20.481	
260.02	20.48	112.87
260.05	20.477	112.85
260.14	20.467	112.73
260.24	20.457	112.49
260.34	20.447	112.17
260.44	20.436	111.79
260.54	20.426	111.35

260.64	20.416	110.85
260.74	20.406	110.31
260.84	20.395	109.73
260.94	20.385	109.1
261.	20.379	108.71
261.01	20.378	108.65
261.02	20.377	108.59
261.05	20.374	108.41
261.14	20.364	107.95
261.24	20.354	107.5
261.34	20.344	107.08
261.44	20.333	106.7
261.54	20.323	106.35
261.64	20.313	106.02
261.74	20.303	105.7
261.84	20.292	105.4
261.94	20.282	105.12
262.	20.276	104.95
262.01	20.275	104.92
262.02	20.274	104.9
262.05	20.271	104.82
262.14	20.261	104.6
262.24	20.251	104.37
262.34	20.241	104.16
262.44	20.231	103.96
262.54	20.221	103.78
262.64	20.21	103.6
262.74	20.2	103.44
262.84	20.19	103.28
262.94	20.18	103.14
263.	20.174	103.05
263.01	20.173	103.04
263.02	20.172	103.02
263.05	20.169	102.98
263.14	20.16	102.85
263.24	20.149	102.7
263.34	20.139	102.54
263.44	20.129	102.39
263.54	20.119	102.24
263.64	20.109	102.09
263.74	20.099	101.95
263.84	20.089	101.8
263.94	20.079	101.65
264.	20.073	101.56
264.01	20.072	101.55
264.02	20.071	101.54
264.05	20.068	101.53
264.14	20.059	101.59
264.24	20.049	101.76
264.34	20.039	102.03
264.44	20.029	102.36
264.54	20.019	102.77
264.64	20.009	103.23
264.74	19.999	103.74
264.84	19.989	104.31
264.94	19.979	104.92
265.	19.973	105.3
265.01	19.972	105.37
265.02	19.971	105.43
265.05	19.968	105.6
265.14	19.959	106.04
265.24	19.95	106.47
265.34	19.94	106.86
265.44	19.93	107.22
265.54	19.92	107.54
265.64	19.91	107.85

	19.901	108.14
265.84	19.891	108.41
265.94	19.881	108.67
266.	19.875	108.82
266.01	19.874	108.84
266.02	19.873	108.87
266.05	19.87	108.94
266.14	19.862	109.15
266.24	19.852	109.38
266.34	19.842	109.6
266.44	19.833	109.81
266.54	19.823	110.02
266.64	19.813	110.22
266.74	19.804	110.41
266.84	19.794	110.6
266.94	19.785	110.79
267.	19.779	110.9
267.01	19.778	110.92
267.02	19.777	110.94
267.05	19.774	111.02
267.14	19.766	111.37
267.24	19.756	111.84
267.34	19.747	112.4
267.44	19.737	113.02
267.54	19.728	113.7
267.64	19.719	114.43
267.74	19.709	115.21
267.84	19.7	116.03
267.94	19.69	116.89
268.	19.685	117.42
268.01	19.684	117.51
268.02	19.683	117.59
268.05	19.68	117.81
268.14	19.672	118.3
268.24	19.662	118.69
268.34	19.653	118.95
268.44	19.644	119.11
268.54	19.634	119.18
268.64	19.625	119.17
268.74	19.616	119.1
268.84	19.607	118.96
268.94	19.597	118.77
269.	19.592	118.63
269.01	19.591	118.61
269.02	19.59	118.59
269.05	19.587	118.53
269.14	19.579	118.42
269.24	19.57	118.34
269.34	19.56	118.28
269.44	19.551	118.23
269.54	19.542	118.2
269.64	19.533	118.18
269.74	19.524	118.17
269.84	19.514	118.16
269.94	19.505	118.15
270.	19.5	
270.01	19.499	
270.02	19.498	
270.05	19.495	118.16
270.14	19.487	118.19
270.24	19.478	118.25
270.34	19.469	118.32
270.44	19.46	118.4
270.54	19.451	118.5
270.64	19.442	118.6
270.74	19.433	118.72

270.84	19.423	118.84
270.94	19.414	118.97
271.	19.409	119.05
271.01	19.408	119.07
271.02	19.407	119.08
271.05	19.404	119.12
271.14	19.396	119.21
271.24	19.387	119.31
271.34	19.378	119.39
271.44	19.369	119.47
271.54	19.36	119.54
271.64	19.351	119.61
271.74	19.342	119.67
271.84	19.333	119.72
271.94	19.324	119.78
272.	19.318	119.81
272.01	19.317	
272.02	19.316	119.82
272.05	19.314	119.87
272.14	19.305	120.11
272.24	19.296	120.49
272.34	19.287	120.96
272.44	19.278	121.51
272.54	19.269	122.12
272.64	19.26	122.78
272.74	19.251	123.51
272.84	19.241	124.28
272.94	19.232	125.09
273.	19.227	125.6
273.01	19.226	125.68
273.02	19.225	125.76
273.05	19.222	125.96
273.14	19.214	126.39
273.24	19.204	126.7
273.34	19.195	126.88
273.44	19.186	126.94
273.54	19.177	126.92
273.64	19.167	126.81
273.74	19.158	126.63
273.84	19.148	126.38
273.94	19.139	126.07
274.	19.133	125.87
274.01		125.83
274.02	19.132	125.8
274.05	19.129	125.72
274.14	19.12	125.53
274.24	19.111	125.38
274.34	19.101	125.26
274.44	19.092	125.18
274.54	19.083	125.11
274.64	19.073	125.06
274.74	19.064	125.03
274.84	19.054	125.
274.94	19.045	124.99
275.	19.039	124.98
275.01	19.038	
275.02		124.99
275.05	19.035	125.01
275.14	19.026	125.21
275.24	19.017	125.54
275.34	19.007	125.96
275.44	18.998	126.46
275.54	18.989	127.02
275.64	18.979	127.65
275.74	18.97	128.34
275.84	18.96	129.07

275.94	18.951	129.86
276.	18.945	130.35
276.01	18.944	130.42
276.02	18.943	130.5
276.05	18.94	130.66
276.14	18.932	130.89
276.24	18.922	130.87
276.34	18.912	130.63
276.44	18.903	130.22
276.54	18.893	129.66
276.64	18.884	128.96
276.74	18.874	128.14
276.84	18.864	127.21
276.94	18.855	126.18
277.	18.849	125.52
277.01	18.848	125.42
277.02	18.847	125.32
277.05	18.844	125.06
277.14	18.836	124.51
277.24	18.826	124.12
277.34	18.816	123.9
277.44	18.807	123.82
277.54	18.797	123.84
277.64	18.788	123.96
277.74	18.778	124.17
277.84	18.769	124.45
277.94	18.759	124.8
278.	18.753	125.03
278.01	18.752	125.07
278.02	18.751	125.1
278.05	18.749	125.17
278.14	18.74	125.23
278.24	18.73	125.15
278.34	18.721	124.95
278.44	18.711	124.66
278.54	18.702	124.3
278.64	18.692	123.87
278.74	18.683	123.37
278.84	18.673	122.82
278.94	18.664	122.23
279.	18.658	121.85
279.01	18.657	121.79
279.02	18.656	121.74
279.05	18.653	121.6
279.14	18.645	121.35
279.24	18.635	121.23
279.34	18.626	121.24
279.44	18.616	121.36
279.54	18.607	121.56
279.64	18.597	121.84
279.74	18.588	122.19
279.84	18.578	122.61
279.94	18.569	123.08
280.	18.563	123.39
280.01	18.562	123.43
280.02	18.561	123.48
280.05	18.559	123.62
280.14	18.55	123.95
280.24	18.541	124.27
280.34	18.531	124.55
280.44	18.522	124.81
280.54	18.512	125.04
280.64	18.503	125.25
280.74	18.494	125.46
280.84	18.484	125.65
280.94	18.475	125.83

	18.469	125.93
281.01	18.468	125.95
281.02	18.467	125.97
281.05	18.464	126.02
281.14	18.456	126.19
281.24	18.446	126.38
281.34	18.437	126.57
281.44	18.428	126.77
281.54	18.418	126.97
281.64	18.409	127.17
281.74	18.4	127.37
281.84	18.39	127.57
281.94	18.381	127.78
282.	18.375	127.9
282.01	18.374	127.92
282.02	18.373	127.93
282.05	18.371	127.96
282.14	18.362	127.93
282.24	18.353	127.77
282.34	18.344	127.51
282.44	18.334	127.17
282.54	18.325	126.76
282.64	18.316	126.29
282.74	18.307	125.75
282.84	18.297	125.16
282.94	18.288	124.52
283.	18.283	124.12
283.01	18.282	124.05
283.02	18.281	123.99
283.05	18.278	123.84
283.14	18.27	123.58
283.24	18.261	123.45
283.34	18.252	123.46
283.44	18.243	123.58
283.54	18.234	123.79
283.64	18.225	124.09
283.74	18.216	124.46
283.84	18.207	124.9
283.94	18.199	125.4
284.	18.193	125.72
284.01	18.192	125.77
284.02	18.191	125.81
284.05	18.189	125.92
284.14	18.181	126.09
284.24	18.172	126.12
284.34	18.163	126.02
284.44	18.155	125.83
284.54	18.146	125.55
284.64	18.137	125.19
284.74	18.128	124.77
284.84	18.12	124.29
284.94	18.111	123.76
285.	18.106	123.42
285.01	18.105	123.37
285.02	18.104	123.32
285.05	18.102	123.2
285.14	18.094	123.03
285.24	18.085	123.02
285.34	18.077	123.14
285.44	18.068	123.38
285.54	18.06	123.72
285.64	18.051	124.13
285.74	18.043	124.63
285.84	18.034	125.19
285.94	18.026	125.82
286.	18.021	126.22

	18.02	126.28
286.02	18.019	126.35
286.05	18.016	126.52
286.14	18.009	126.96
286.24	18.	127.38
286.34	17.992	127.74
286.44	17.984	128.07
286.54	17.975	128.36
286.64	17.967	128.63
286.74	17.959	128.88
286.84	17.95	129.11
286.94	17.942	129.32
287.	17.937	129.44
287.01	17.936	129.46
287.02	17.935	129.47
287.05	17.933	129.51
287.14	17.925	129.49
287.24	17.917	129.36
287.34	17.909	129.15
287.44	17.901	128.85
287.54	17.893	128.48
287.64	17.884	128.06
287.74	17.876	127.57
287.84	17.868	127.03
287.94	17.86	126.45
288.	17.855	126.08
288.01	17.854	126.02
288.02	17.853	125.97
288.05	17.851	125.83
288.14	17.844	125.62
288.24	17.836	125.56
288.34	17.828	125.64
288.44	17.82	125.84
288.54	17.812	126.12
288.64	17.804	126.5
288.74	17.796	126.95
288.84	17.788	127.47
288.94	17.781	128.05
289.	17.776	128.42
289.01	17.775	128.48
289.02	17.774	128.54
289.05	17.772	128.7
289.14	17.765	129.13
289.24	17.757	129.55
289.34	17.749	129.92
289.44	17.742	130.27
289.54	17.734	130.59
289.64	17.726	130.89
289.74	17.718	131.18
289.84	17.711	131.46
289.94	17.703	131.73
290.	17.698	131.88
290.01		131.91
290.02	17.697	131.94
290.05	17.695	132.05
290.14	17.688	132.49
290.24	17.68	133.09
290.34	17.672	133.78
290.44	17.665	134.55
290.54	17.657	135.38
290.64	17.649	136.28
290.74	17.642	137.23
290.84	17.634	138.23
290.94	17.626	139.28
291.	17.622	139.92
291.01	17.621	140.03

291.02	17.62	140.13
291.05	17.618	140.39
291.14	17.611	140.98
291.24	17.603	141.45
291.34	17.595	141.75
291.44	17.588	141.93
291.54	17.58	142.
291.64	17.572	141.98
291.74	17.564	141.87
291.84	17.557	141.69
291.94	17.549	141.43
292.	17.544	141.25
292.01	17.543	141.22
292.02		141.2
292.05	17.54	141.17
292.14	17.533	141.26
292.24	17.526	141.54
292.34	17.518	141.96
292.44	17.51	142.49
292.54	17.502	143.12
292.64	17.495	143.84
292.74	17.487	144.63
292.84	17.479	145.49
292.94	17.472	146.41
293.	17.467	146.99
293.01	17.466	147.08
293.02	17.465	147.17
293.05	17.463	147.44
293.14	17.456	148.15
293.24	17.448	148.87
293.34	17.44	149.55
293.44	17.433	150.19
293.54	17.425	150.8
293.64	17.417	151.38
293.74	17.409	151.94
293.84	17.401	152.49
293.94	17.393	153.02
294.	17.388	153.34
294.01	17.387	153.39
294.02		153.43
294.05	17.384	153.56
294.14	17.377	153.78
294.24	17.369	153.9
294.34	17.361	153.91
294.44	17.353	153.82
294.54	17.345	153.65
294.64	17.337	153.4
294.74	17.328	153.08
294.84	17.32	152.7
294.94	17.312	152.26
295.	17.307	151.98
295.01	17.306	151.93
295.02		151.89
295.05	17.303	151.77
295.14	17.296	151.5
295.24	17.287	151.26
295.34	17.279	151.08
295.44	17.271	150.93
295.54	17.263	150.82
295.64	17.254	150.73
295.74	17.246	150.66
295.84	17.238	150.61
295.94	17.23	150.57
296.	17.225	150.55
296.01	17.224	
296.02	17.223	

296.05	17.22	150.54
296.14	17.213	150.53
296.24	17.204	150.52
296.34	17.196	150.53
296.44	17.188	150.54
296.54	17.179	150.56
296.64	17.171	150.59
296.74	17.162	150.62
296.84	17.154	150.66
296.94	17.145	150.7
297.	17.14	150.73
297.01	17.139	
297.02	17.138	150.74
297.05	17.136	150.75
297.14	17.128	150.8
297.24	17.119	150.85
297.34	17.111	150.9
297.44	17.102	150.95
297.54	17.093	151.01
297.64	17.085	151.07
297.74	17.076	151.13
297.84	17.067	151.19
297.94	17.058	151.26
298.	17.053	151.3
298.01	17.052	
298.02	17.051	151.31
298.05	17.049	151.33
298.14	17.041	151.4
298.24	17.032	151.47
298.34	17.023	151.55
298.44	17.014	151.63
298.54	17.005	151.72
298.64	16.996	151.81
298.74	16.987	151.9
298.84	16.978	151.99
298.94	16.969	152.08
299.	16.964	152.14
299.01	16.963	152.15
299.02	16.962	152.16
299.05	16.959	152.19
299.14	16.951	152.28
299.24	16.942	152.38
299.34	16.933	152.48
299.44	16.924	152.58
299.54	16.915	152.69
299.64	16.905	152.79
299.74	16.896	152.9
299.84	16.887	153.01
299.94	16.878	153.12
300.	16.872	153.19
300.01	16.871	153.2
300.02	16.87	
300.05	16.868	
300.14	16.859	153.07
300.24	16.85	152.79
300.34	16.841	152.41
300.44	16.832	151.94
300.54	16.822	151.39
300.64	16.813	150.78
300.74	16.804	150.1
300.84	16.795	149.36
300.94	16.786	148.56
301.	16.78	148.06
301.01	16.779	147.99
301.02	16.778	147.91
301.05	16.775	147.72

301.14	16.767	147.39
301.24	16.758	147.23
301.34	16.749	
301.44	16.74	147.37
301.54	16.73	147.62
301.64	16.721	147.98
301.74	16.712	148.42
301.84	16.703	148.95
301.94	16.694	149.56
302.	16.688	149.95
302.01	16.687	150.01
302.02		150.07
302.05	16.684	150.25
302.14	16.676	150.68
302.24	16.666	151.1
302.34	16.657	151.48
302.44	16.648	151.82
302.54	16.639	152.14
302.64	16.63	152.44
302.74	16.621	152.72
302.84	16.612	152.99
302.94	16.602	153.25
303.	16.597	153.4
303.01	16.596	153.43
303.02	16.595	153.45
303.05	16.592	153.52
303.14	16.584	153.74
303.24	16.575	153.97
303.34	16.566	154.19
303.44	16.557	154.4
303.54	16.547	154.61
303.64	16.538	154.81
303.74	16.529	155.01
303.84	16.52	155.21
303.94	16.511	155.4
304.	16.505	155.51
304.01	16.504	155.53
304.02	16.503	155.55
304.05	16.501	155.61
304.14	16.492	155.78
304.24	16.483	155.97
304.34	16.474	156.16
304.44	16.465	156.35
304.54	16.456	156.53
304.64	16.447	156.72
304.74	16.438	156.91
304.84	16.428	157.09
304.94	16.419	157.28
305.	16.414	157.39
305.01	16.413	157.41
305.02	16.412	157.42
305.05	16.409	157.44
305.14	16.401	157.36
305.24	16.392	157.14
305.34	16.383	156.8
305.44	16.374	156.37
305.54	16.365	155.87
305.64	16.356	155.28
305.74	16.347	154.63
305.84	16.338	153.92
305.94	16.329	153.15
306.	16.324	152.66
306.01	16.323	152.58
306.02	16.322	152.51
306.05	16.32	152.29
306.14	16.312	151.73

306.24	16.303	151.17
306.34	16.294	150.67
306.44	16.285	150.21
306.54	16.277	149.79
306.64	16.268	149.39
306.74	16.259	149.01
306.84	16.251	148.65
306.94	16.242	148.31
307.	16.237	148.11
307.01	16.236	148.08
307.02	16.235	148.05
307.05	16.233	147.99
307.14	16.225	147.96
307.24	16.216	148.09
307.34	16.208	148.34
307.44	16.199	148.69
307.54	16.191	149.14
307.64	16.183	149.68
307.74	16.174	150.29
307.84	16.166	150.97
307.94	16.157	151.72
308.	16.152	152.2
308.01	16.151	152.27
308.02		152.34
308.05	16.148	152.51
308.14	16.141	152.8
308.24	16.132	152.9
308.34	16.124	152.83
308.44	16.116	152.62
308.54	16.107	152.3
308.64	16.099	151.87
308.74	16.091	151.35
308.84	16.082	150.74
308.94	16.074	150.06
309.	16.069	149.63
309.01	16.068	149.56
309.02	16.067	149.5
309.05	16.065	149.34
309.14	16.058	149.11
309.24	16.049	149.05
309.34	16.041	149.16
309.44	16.033	149.4
309.54	16.025	149.76
309.64	16.017	150.21
309.74	16.009	150.76
309.84	16.001	151.38
309.94	15.993	152.08
310.	15.988	152.52
310.01	15.987	152.59
310.02	15.986	152.66
310.05	15.984	152.82
310.14	15.977	153.07
310.24	15.969	153.15
310.34	15.961	153.07
310.44	15.953	152.85
310.54	15.945	152.52
310.64	15.937	152.09
310.74	15.93	151.57
310.84	15.922	150.98
310.94	15.914	150.31
311.	15.91	149.88
311.01	15.909	149.81
311.02	15.908	149.74
311.05	15.906	149.52
311.14	15.899	148.81
311.24	15.891	147.96

311.34	15.884	147.06
311.44	15.876	146.11
311.54	15.869	145.11
311.64	15.861	144.07
311.74	15.854	142.99
311.84	15.847	141.86
311.94	15.839	140.69
312.	15.835	139.97
312.01	15.834	139.86
312.02		139.75
312.05	15.831	139.46
312.14	15.825	138.81
312.24	15.818	138.31
312.34	15.811	138.06
312.44	15.804	137.97
312.54	15.797	137.99
312.64	15.79	138.11
312.74	15.784	138.31
312.84	15.777	138.59
312.94	15.77	138.94
313.	15.766	139.17
313.01		139.21
313.02	15.765	139.25
313.05	15.763	139.38
313.14	15.757	139.8
313.24	15.751	140.32
313.34	15.744	140.9
313.44	15.738	141.52
313.54	15.731	142.18
313.64	15.725	142.9
313.74	15.719	143.65
313.84	15.712	144.44
313.94	15.706	145.28
314.	15.702	145.79
314.01		145.87
314.02	15.701	145.95
314.05	15.699	146.14
314.14	15.694	146.5
314.24	15.687	146.74
314.34	15.681	146.82
314.44	15.675	146.76
314.54	15.669	146.58
314.64	15.663	146.3
314.74	15.657	145.92
314.84	15.65	145.46
314.94	15.644	144.92
315.	15.641	144.57
315.01	15.64	144.52
315.02		144.46
315.05	15.638	144.31
315.14	15.633	143.94
315.24	15.627	143.59
315.34	15.621	143.29
315.44	15.615	143.02
315.54	15.609	142.78
315.64	15.604	142.56
315.74	15.598	142.36
315.84	15.593	142.21
315.94	15.587	142.06
316.	15.584	141.98
316.01		141.96
316.02	15.583	141.95
316.05	15.581	141.91
316.14	15.577	141.79
316.24	15.571	141.66
316.34	15.566	141.53

316.44	15.561	141.41
316.54	15.556	141.29
316.64	15.551	141.18
316.74	15.546	141.07
316.84	15.541	140.96
316.94	15.536	140.85
317.	15.533	140.79
317.01		140.77
317.02	15.532	140.76
317.05	15.531	140.73
317.14	15.527	140.64
317.24	15.522	140.55
317.34	15.517	140.45
317.44	15.513	140.36
317.54	15.508	140.27
317.64	15.504	140.19
317.74	15.499	140.1
317.84	15.495	140.02
317.94	15.491	139.94
318.	15.488	139.89
318.01		
318.02	15.487	139.88
318.05	15.486	139.89
318.14	15.482	140.03
318.24	15.478	140.3
318.34	15.474	140.66
318.44	15.47	141.1
318.54	15.466	141.6
318.64	15.462	142.16
318.74	15.458	142.77
318.84	15.454	143.43
318.94	15.45	144.13
319.	15.447	144.57
319.01		144.64
319.02		144.71
319.05	15.445	144.91
319.14	15.442	145.4
319.24	15.438	145.87
319.34	15.434	146.28
319.44	15.43	146.65
319.54	15.427	146.99
319.64	15.423	147.34
319.74	15.419	147.68
319.84	15.416	148.
319.94	15.412	148.29
320.	15.41	148.47
320.01	15.409	148.49
320.02		148.52
320.05	15.408	148.57
320.14	15.405	148.61
320.24	15.401	148.52
320.34	15.398	148.34
320.44	15.394	148.07
320.54	15.391	147.71
320.64	15.387	147.29
320.74	15.384	146.81
320.84	15.38	146.27
320.94	15.377	145.67
321.	15.375	145.29
321.01		145.23
321.02		145.17
321.05	15.374	145.
321.14	15.371	144.58
321.24	15.367	144.18
321.34	15.364	143.82
321.44	15.361	143.51

321.54	15.358	143.22
321.64	15.355	142.99
321.74	15.352	142.79
321.84	15.349	142.59
321.94	15.347	142.41
322.	15.345	142.31
322.01		142.29
322.02	15.344	142.28
322.05	15.343	142.23
322.14	15.341	142.08
322.24	15.338	141.93
322.34	15.336	141.78
322.44	15.333	141.65
322.54	15.33	141.51
322.64	15.328	141.38
322.74	15.325	141.26
322.84	15.323	141.14
322.94	15.32	141.02
323.	15.319	140.95
323.01		140.94
323.02	15.318	140.93
323.05		140.9
323.14	15.315	140.8
323.24	15.313	140.71
323.34	15.311	140.61
323.44	15.308	140.52
323.54	15.306	140.43
323.64	15.304	140.35
323.74	15.302	140.27
323.84	15.3	140.2
323.94	15.297	140.12
324.	15.296	140.08
324.01		140.07
324.02		
324.05	15.295	140.05
324.14	15.293	139.99
324.24	15.291	139.94
324.34	15.289	139.9
324.44	15.287	139.86
324.54	15.285	139.83
324.64	15.283	139.81
324.74	15.281	139.78
324.84	15.279	139.77
324.94	15.277	139.75
325.	15.276	
325.01		
325.02		
325.05	15.275	139.74
325.14	15.274	139.73
325.24	15.272	139.71
325.34	15.27	139.69
325.44	15.268	139.66
325.54	15.267	139.64
325.64	15.265	139.62
325.74	15.263	139.6
325.84	15.262	139.57
325.94	15.26	139.55
326.	15.259	139.54
326.01		
326.02		
326.05	15.258	139.53
326.14	15.257	
326.24	15.256	
326.34	15.254	139.54
326.44	15.253	139.56
326.54	15.251	139.59

326.64	15.25	139.62
326.74	15.249	139.65
326.84	15.248	139.69
326.94	15.246	139.74
327.		139.77
327.01	15.245	
327.02		139.78
327.05		139.83
327.14	15.244	140.11
327.24	15.243	140.55
327.34	15.242	141.08
327.44	15.241	141.7
327.54	15.239	142.39
327.64	15.238	143.15
327.74	15.237	143.97
327.84	15.236	144.83
327.94	15.235	145.75
328.		146.32
328.01		146.41
328.02		146.49
328.05	15.234	146.72
328.14	15.233	147.17
328.24		147.47
328.34	15.232	147.63
328.44	15.231	147.66
328.54	15.23	147.62
328.64	15.229	147.5
328.74	15.228	147.29
328.84	15.227	147.01
328.94	15.226	146.66
329.		146.43
329.01		146.39
329.02		146.36
329.05	15.225	146.3
329.14		146.34
329.24	15.224	146.57
329.34	15.223	146.96
329.44		147.47
329.54	15.222	148.09
329.64	15.221	148.8
329.74	15.22	149.6
329.84		150.47
329.94	15.219	151.41
330.		151.99
330.01		152.1
330.02		152.2
330.05	15.218	152.53
330.14		153.68
330.24	15.217	155.12
330.34		156.69
330.44	15.216	158.39
330.54	15.215	160.21
330.64		162.12
330.74	15.214	164.14
330.84	15.213	166.25
330.94	15.212	168.44
331.		169.79
331.01		170.01
331.02		170.23
331.05		170.85
331.14	15.211	172.51
331.24	15.21	174.18
331.34	15.209	175.71
331.44	15.208	177.15
331.54	15.207	178.49
331.64	15.206	179.77

331.74	15.204	180.98
331.84	15.203	182.14
331.94	15.202	183.25
332.	15.201	183.89
332.01		184.
332.02		184.1
332.05	15.2	184.4
332.14	15.199	185.16
332.24	15.198	185.87
332.34	15.196	186.49
332.44	15.194	187.01
332.54	15.193	187.44
332.64	15.191	187.81
332.74	15.189	188.1
332.84	15.188	188.33
332.94	15.186	188.51
333.	15.185	188.59
333.01	15.184	188.61
333.02		188.63
333.05		188.72
333.14	15.182	189.17
333.24	15.18	189.83
333.34	15.178	190.61
333.44	15.176	191.5
333.54	15.174	192.48
333.64	15.172	193.53
333.74	15.169	194.64
333.84	15.167	195.82
333.94	15.165	197.05
334.	15.163	197.81
334.01		197.93
334.02		198.06
334.05	15.162	198.45
334.14	15.16	199.64
334.24	15.157	201.02
334.34	15.154	202.44
334.44	15.151	203.89
334.54	15.148	205.39
334.64	15.145	206.92
334.74	15.142	208.48
334.84	15.139	210.07
334.94	15.135	211.7
335.	15.133	212.69
335.01		212.85
335.02	15.132	213.01
335.05	15.131	213.48
335.14	15.128	214.76
335.24	15.124	216.09
335.34	15.12	217.35
335.44	15.116	218.54
335.54	15.112	219.68
335.64	15.107	220.78
335.74	15.103	221.84
335.84	15.098	222.86
335.94	15.093	223.85
336.	15.09	224.43
336.01		224.53
336.02	15.089	224.63
336.05	15.088	224.91
336.14	15.083	225.76
336.24	15.078	226.69
336.34	15.073	227.6
336.44	15.067	228.49
336.54	15.061	229.37
336.64	15.056	230.23
336.74	15.05	231.07

336.84	15.044	231.9
336.94	15.037	232.72
337.	15.033	233.2
337.01		233.29
337.02	15.032	233.38
337.05	15.03	233.67
337.14	15.024	234.77
337.24	15.018	236.19
337.34	15.011	237.77
337.44	15.004	239.48
337.54	14.996	241.31
337.64	14.989	243.24
337.74	14.981	245.27
337.84	14.974	247.38
337.94	14.966	249.57
338.	14.961	250.91
338.01	14.96	251.13
338.02	14.959	251.34
338.05	14.957	251.94
338.14	14.949	253.44
338.24	14.941	254.87
338.34	14.932	256.09
338.44	14.923	257.16
338.54	14.914	258.09
338.64	14.905	258.89
338.74	14.895	259.6
338.84	14.886	260.2
338.94	14.876	260.72
339.	14.87	261.
339.01	14.869	261.05
339.02	14.868	261.1
339.05	14.865	261.23
339.14	14.856	261.56
339.24	14.845	261.86
339.34	14.835	262.1
339.44	14.824	262.29
339.54	14.813	262.41
339.64	14.802	262.48
339.74	14.791	262.5
339.84	14.779	262.46
339.94	14.767	262.38
340.	14.76	262.32
340.01	14.759	262.31
340.02	14.758	
340.05	14.754	262.33
340.14	14.744	262.59
340.24	14.731	263.06
340.34	14.719	263.67
340.44	14.707	264.4
340.54	14.694	265.22
340.64	14.681	266.13
340.74	14.668	267.12
340.84	14.655	268.17
340.94	14.641	269.28
341.	14.633	269.97
341.01	14.632	270.08
341.02	14.631	270.19
341.05	14.627	270.52
341.14	14.614	271.45
341.24	14.6	272.43
341.34	14.586	273.39
341.44	14.572	274.32
341.54	14.557	275.23
341.64	14.542	276.14
341.74	14.527	277.03
341.84	14.512	277.92

341.94	14.497	278.8
342.	14.488	279.32
342.01	14.486	279.42
342.02	14.484	279.51
342.05	14.48	279.82
342.14	14.466	280.93
342.24	14.45	282.33
342.34	14.433	283.88
342.44	14.417	285.54
342.54	14.4	287.31
342.64	14.384	289.17
342.74	14.367	291.12
342.84	14.349	293.15
342.94	14.332	295.24
343.	14.321	296.53
343.01	14.32	296.74
343.02	14.318	296.96
343.05	14.313	297.61
343.14	14.297	299.62
343.24	14.278	301.91
343.34	14.26	304.26
343.44	14.242	306.66
343.54	14.223	309.12
343.64	14.204	311.63
343.74	14.185	314.18
343.84	14.165	316.78
343.94	14.145	319.43
344.	14.134	321.04
344.01	14.132	321.3
344.02	14.13	321.55
344.05	14.124	322.25
344.14	14.105	323.97
344.24	14.085	325.52
344.34	14.064	326.78
344.44	14.044	327.81
344.54	14.022	328.63
344.64	14.001	329.27
344.74	13.98	329.75
344.84	13.958	330.08
344.94	13.936	330.28
345.	13.923	330.35
345.01	13.921	330.37
345.02	13.918	330.4
345.05	13.912	330.53
345.14	13.892	331.24
345.24	13.869	332.33
345.34	13.846	333.64
345.44	13.823	335.14
345.54	13.8	336.79
345.64	13.777	338.57
345.74	13.753	340.47
345.84	13.729	342.47
345.94	13.705	344.56
346.	13.691	345.84
346.01	13.688	346.05
346.02	13.686	346.25
346.05	13.679	346.8
346.14	13.657	348.12
346.24	13.632	349.27
346.34	13.607	350.17
346.44	13.582	350.87
346.54	13.557	351.4
346.64	13.531	351.78
346.74	13.506	352.02
346.84	13.48	352.14
346.94	13.454	352.15

	13.438	
347.01	13.435	352.12
347.02	13.433	
347.05	13.425	352.14
347.14	13.401	352.33
347.24	13.374	352.64
347.34	13.347	353.04
347.44	13.32	353.48
347.54	13.292	353.97
347.64	13.264	354.48
347.74	13.237	355.03
347.84	13.208	355.59
347.94	13.18	356.17
348.	13.163	356.53
348.01	13.16	356.59
348.02	13.157	356.65
348.05	13.149	356.85
348.14	13.123	357.52
348.24	13.094	358.35
348.34	13.065	359.24
348.44	13.036	360.19
348.54	13.006	361.18
348.64	12.976	362.22
348.74	12.946	363.3
348.84	12.916	364.41
348.94	12.886	365.56
349.	12.867	366.26
349.01	12.864	366.37
349.02	12.861	366.48
349.05	12.852	366.82
349.14	12.824	367.77
349.24	12.793	368.79
349.34	12.762	369.77
349.44	12.73	370.72
349.54	12.699	371.65
349.64	12.667	372.57
349.74	12.634	373.47
349.84	12.602	374.36
349.94	12.569	375.24
350.	12.55	375.76
350.01	12.546	375.85
350.02	12.543	375.94
350.05	12.533	376.2
350.14	12.503	376.97
350.24	12.47	377.81
350.34	12.437	378.65
350.44	12.403	379.49
350.54	12.369	380.31
350.64	12.335	381.13
350.74	12.301	381.94
350.84	12.266	382.75
350.94	12.231	383.55
351.	12.21	384.03
351.01	12.207	384.1
351.02	12.203	384.18
351.05	12.193	384.38
351.14	12.161	384.88
351.24	12.126	385.3
351.34	12.091	385.63
351.44	12.055	385.87
351.54	12.019	386.03
351.64	11.983	386.13
351.74	11.947	386.17
351.84	11.91	386.15
351.94	11.874	386.08
352.	11.852	

352.01	11.848	386.01
352.02	11.845	386.
352.05	11.834	386.02
352.14	11.8	386.26
352.24	11.763	386.69
352.34	11.726	387.24
352.44	11.689	387.9
352.54	11.651	388.64
352.64	11.614	389.46
352.74	11.576	390.34
352.84	11.538	391.29
352.94	11.5	392.28
353.	11.477	392.9
353.01	11.473	393.
353.02	11.469	393.1
353.05	11.458	393.36
353.14	11.423	394.01
353.24	11.384	394.6
353.34	11.346	395.07
353.44	11.307	395.46
353.54	11.268	395.78
353.64	11.228	396.04
353.74	11.189	396.24
353.84	11.15	396.39
353.94	11.11	396.49
354.	11.086	396.53
354.01	11.082	396.54
354.02	11.078	396.55
354.05	11.066	396.59
354.14	11.03	396.78
354.24	10.99	397.04
354.34	10.95	397.34
354.44	10.91	397.67
354.54	10.869	398.02
354.64	10.829	398.39
354.74	10.788	398.78
354.84	10.747	399.18
354.94	10.706	399.59
355.	10.682	399.84
355.01	10.678	399.88
355.02	10.674	399.92
355.05	10.661	400.01
355.14	10.624	400.17
355.24	10.583	400.22
355.34	10.542	400.18
355.44	10.5	400.06
355.54	10.459	399.86
355.64	10.417	399.61
355.74	10.375	399.3
355.84	10.333	398.93
355.94	10.291	398.52
356.	10.266	398.25
356.01	10.262	398.21
356.02	10.258	398.18
356.05	10.245	398.1
356.14	10.207	398.05
356.24	10.165	398.18
356.34	10.123	398.45
356.44	10.08	398.83
356.54	10.038	399.3
356.64	9.9955	399.86
356.74	9.9529	400.5
356.84	9.9103	401.2
356.94	9.8675	401.96
357.	9.8419	402.43
357.01	9.8376	402.51

357.02	9.8333	402.59
357.05	9.8205	402.83
357.14	9.7819	403.58
357.24	9.7389	404.44
357.34	9.6959	405.33
357.44	9.6528	406.24
357.54	9.6096	407.19
357.64	9.5663	408.17
357.74	9.523	409.17
357.84	9.4796	410.2
357.94	9.4361	411.26
358.	9.41	411.9
358.01	9.4056	412.01
358.02	9.4013	412.11
358.05	9.3882	412.41
358.14	9.3489	413.25
358.24	9.3052	414.12
358.34	9.2614	414.94
358.44	9.2176	415.73
358.54	9.1737	416.49
358.64	9.1297	417.22
358.74	9.0856	417.93
358.84	9.0415	418.63
358.94	8.9973	419.3
359.	8.9708	419.7
359.01	8.9664	419.77
359.02	8.9619	419.85
359.05	8.9487	420.1
359.14	8.9088	421.04
359.24	8.8644	422.27
359.34	8.82	423.64
359.44	8.7755	425.14
359.54	8.731	426.74
359.64	8.6864	428.43
359.74	8.6418	430.21
359.84	8.5971	432.07
359.94	8.5523	434.
360.	8.5254	435.18
360.01	8.5209	435.37
360.02	8.5164	435.54
360.05	8.503	435.98
360.14	8.4626	436.71
360.24	8.4176	436.98
360.34	8.3726	436.82
360.44	8.3276	436.3
360.54	8.2825	435.47
360.64	8.2373	434.37
360.74	8.1922	433.03
360.84	8.147	431.46
360.94	8.1017	429.69
361.	8.0746	428.55
361.01	8.07	428.37
361.02	8.0655	428.2
361.05	8.0519	427.74
361.14	8.0112	426.75
361.24	7.9659	425.98
361.34	7.9206	425.46
361.44	7.8753	425.13
361.54	7.83	424.97
361.64	7.7847	424.93
361.74	7.7394	425.01
361.84	7.6941	425.19
361.94	7.6489	425.45
362.	7.6217	425.64
362.01	7.6172	425.67
362.02	7.6126	425.69

	7.5991	425.72
362.14	7.5583	425.54
362.24	7.513	425.11
362.34	7.4678	424.5
362.44	7.4225	423.75
362.54	7.3772	422.86
362.64	7.332	421.87
362.74	7.2867	420.77
362.84	7.2415	419.59
362.94	7.1962	418.32
363.	7.1691	417.53
363.01	7.1645	417.4
363.02	7.16	417.28
363.05	7.1464	416.96
363.14	7.1057	416.24
363.24	7.0605	415.67
363.34	7.0152	415.27
363.44	6.97	415.02
363.54	6.9248	414.9
363.64	6.8796	414.87
363.74	6.8345	414.94
363.84	6.7893	415.08
363.94	6.7442	415.31
364.	6.7171	415.46
364.01	6.7126	415.49
364.02	6.708	415.51
364.05	6.6945	415.57
364.14	6.6539	415.7
364.24	6.6088	415.79
364.34	6.5638	415.84
364.44	6.5187	415.88
364.54	6.4737	415.9
364.64	6.4287	415.91
364.74	6.3837	415.92
364.84	6.3387	415.91
364.94	6.2938	415.9
365.	6.2669	415.89
365.01	6.2624	
365.02	6.2579	
365.05	6.2444	415.86
365.14	6.204	415.66
365.24	6.1592	415.36
365.34	6.1144	414.97
365.44	6.0696	414.52
365.54	6.0249	414.01
365.64	5.9802	413.45
365.74	5.9356	412.84
365.84	5.8911	412.19
365.94	5.8466	411.49
366.	5.8199	411.06
366.01	5.8155	410.99
366.02	5.811	410.93
366.05	5.7977	410.73
366.14	5.7578	410.21
366.24	5.7135	409.69
366.34	5.6693	409.22
366.44	5.6252	408.77
366.54	5.5811	408.36
366.64	5.5372	407.96
366.74	5.4933	407.58
366.84	5.4495	407.22
366.94	5.4059	406.88
367.	5.3797	406.67
367.01	5.3753	406.64
367.02	5.371	406.6
367.05	5.3579	406.5

367.14	5.3188	406.22
367.24	5.2754	405.92
367.34	5.2321	405.63
367.44	5.1889	405.35
367.54	5.1459	405.07
367.64	5.1029	404.81
367.74	5.0601	404.56
367.84	5.0173	404.31
367.94	4.9747	404.07
368.	4.9491	403.93
368.01	4.9449	403.91
368.02	4.9406	403.88
368.05	4.9279	403.78
368.14	4.8897	403.39
368.24	4.8474	402.86
368.34	4.8052	402.26
368.44	4.7631	401.59
368.54	4.7212	400.87
368.64	4.6794	400.1
368.74	4.6377	399.28
368.84	4.5961	398.42
368.94	4.5547	397.52
369.	4.5299	396.97
369.01	4.5258	396.89
369.02	4.5216	396.8
369.05	4.5092	396.57
369.14	4.4722	396.08
369.24	4.4312	395.69
369.34	4.3903	395.43
369.44	4.3496	395.29
369.54	4.309	395.23
369.64	4.2685	395.26
369.74	4.2282	395.35
369.84	4.188	395.52
369.94	4.148	395.74
370.	4.124	395.89
370.01	4.12	395.91
370.02	4.116	395.93
370.05	4.1041	
370.14	4.0683	395.68
370.24	4.0287	395.16
370.34	3.9893	394.45
370.44	3.95	393.57
370.54	3.9109	392.57
370.64	3.8719	391.44
370.74	3.833	390.2
370.84	3.7944	388.87
370.94	3.7559	387.45
371.	3.7328	386.56
371.01	3.729	386.42
371.02	3.7251	386.29
371.05	3.7136	385.93
371.14	3.6793	385.2
371.24	3.6413	384.68
371.34	3.6034	384.39
371.44	3.5658	384.29
371.54	3.5283	384.36
371.64	3.4909	384.56
371.74	3.4538	384.89
371.84	3.4168	385.33
371.94	3.38	385.88
372.	3.358	386.24
372.01	3.3543	386.3
372.02	3.3507	386.35
372.05	3.3397	386.47
372.14	3.3069	386.61

372.24	3.2706	386.58
372.34	3.2345	386.4
372.44	3.1985	386.1
372.54	3.1627	385.71
372.64	3.1271	385.23
372.74	3.0917	384.68
372.84	3.0564	384.07
372.94	3.0213	383.4
373.	3.0003	382.98
373.01	2.9968	382.91
373.02	2.9933	382.84
373.05	2.9828	382.65
373.14	2.9515	382.14
373.24	2.9169	381.62
373.34	2.8825	381.14
373.44	2.8483	380.68
373.54	2.8142	380.25
373.64	2.7804	379.83
373.74	2.7467	379.43
373.84	2.7132	379.04
373.94	2.6799	378.66
374.	2.66	378.43
374.01	2.6567	378.39
374.02	2.6533	378.35
374.05	2.6434	378.22
374.14	2.6138	377.77
374.24	2.581	377.2
374.34	2.5485	376.58
374.44	2.5162	375.92
374.54	2.484	375.22
374.64	2.4521	374.49
374.74	2.4203	373.73
374.84	2.3887	372.94
374.94	2.3574	372.13
375.	2.3386	371.63
375.01	2.3355	371.55
375.02	2.3324	371.47
375.05	2.323	371.26
375.14	2.2952	370.76
375.24	2.2644	370.32
375.34	2.2338	369.99
375.44	2.2034	369.73
375.54	2.1733	369.55
375.64	2.1433	369.42
375.74	2.1135	369.35
375.84	2.0839	369.34
375.94	2.0545	369.4
376.	2.0369	369.45
376.01	2.034	369.46
376.02	2.0311	369.47
376.05	2.0223	369.51
376.14	1.9962	369.65
376.24	1.9674	369.84
376.34	1.9388	370.08
376.44	1.9103	370.35
376.54	1.8821	370.65
376.64	1.854	370.99
376.74	1.8261	371.35
376.84	1.7984	371.74
376.94	1.7708	372.16
377.	1.7544	372.42
377.01	1.7516	372.46
377.02	1.7489	372.5
377.05	1.7407	372.61
377.14	1.7162	372.86
377.24	1.6892	373.07

	1.6623	373.23
377.44	1.6357	373.37
377.54	1.6092	373.48
377.64	1.5828	373.56
377.74	1.5567	373.62
377.84	1.5307	373.67
377.94	1.5049	373.69
378.	1.4895	
378.01	1.4869	373.7
378.02	1.4844	
378.05	1.4767	373.68
378.14	1.4538	373.55
378.24	1.4285	373.33
378.34	1.4034	373.04
378.44	1.3785	372.7
378.54	1.3537	372.3
378.64	1.3291	371.87
378.74	1.3047	371.41
378.84	1.2805	370.93
378.94	1.2565	370.42
379.	1.2422	370.11
379.01	1.2398	370.06
379.02	1.2374	370.01
379.05	1.2302	369.88
379.14	1.2089	369.63
379.24	1.1855	369.46
379.34	1.1622	369.38
379.44	1.139	369.36
379.54	1.1161	369.39
379.64	1.0933	369.48
379.74	1.0708	369.6
379.84	1.0483	369.75
379.94	1.0261	369.94
380.	1.0128	370.07
380.01	1.0106	370.08
380.02	1.0084	370.1
380.05	1.0018	370.13
380.14	0.9821	370.09
380.24	0.96037	369.93
380.34	0.93881	369.69
380.44	0.91742	369.39
380.54	0.8962	369.02
380.64	0.87513	368.61
380.74	0.85423	368.16
380.84	0.83349	367.67
380.94	0.81291	367.14
381.	0.80062	366.81
381.01	0.79858	366.76
381.02	0.79653	366.7
381.05	0.79041	366.54
381.14	0.77218	366.01
381.24	0.75209	365.41
381.34	0.73215	364.79
381.44	0.71239	364.14
381.54	0.69278	363.47
381.64	0.67334	362.78
381.74	0.65407	362.07
381.84	0.63496	361.34
381.94	0.61602	360.6
382.	0.60471	360.14
382.01	0.60283	360.07
382.02	0.60095	360.
382.05	0.59532	359.81
382.14	0.57857	359.38
382.24	0.56013	359.03
382.34	0.54185	358.78

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382.54	0.50579	358.51
382.64	0.488	358.46
382.74	0.47037	
382.84	0.4529	358.51
382.94	0.43559	358.59
383.	0.42526	358.66
383.01	0.42354	358.67
383.02	0.42183	
383.05	0.41669	
383.14	0.40139	358.52
383.24	0.38455	358.23
383.34	0.36787	357.84
383.44	0.35133	357.39
383.54	0.33495	356.88
383.64	0.31872	356.32
383.74	0.30265	355.71
383.84	0.28672	355.07
383.94	0.27095	354.39
384.	0.26155	353.98
384.01	0.25998	353.91
384.02	0.25842	353.85
384.05	0.25374	353.67
384.14	0.23982	353.28
384.24	0.22451	352.96
384.34	0.20936	352.72
384.44	0.19436	352.55
384.54	0.17952	352.44
384.64	0.16484	352.37
384.74	0.15031	352.35
384.84	0.13594	352.37
384.94	0.12173	352.42
385.	0.11326	352.46
385.01	0.11184	352.47
385.02	0.11044	
385.05	0.10622	352.48
385.14	9.3714e-002	352.47
385.24	7.9969e-002	352.42
385.34	6.6377e-002	352.35
385.44	5.2939e-002	352.27
385.54	3.9654e-002	352.17
385.64	2.6521e-002	352.06
385.74	1.3539e-002	351.95
385.84	7.0779e-004	351.84
385.94	-1.1973e-002	351.72
386.	-1.9528e-002	351.64
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386.02	-2.2041e-002	351.62
386.05	-2.5796e-002	351.58
386.14	-3.6939e-002	351.47
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386.44	-7.3185e-002	351.11
386.54	-8.4967e-002	350.99
386.64	-9.6599e-002	350.88
386.74	-0.10808	350.76
386.84	-0.11941	350.64
386.94	-0.1306	350.52
387.	-0.13725	350.45
387.01	-0.13836	350.44
387.02	-0.13946	350.43
387.05	-0.14277	350.37
387.14	-0.15256	350.13
387.24	-0.16329	349.8
387.34	-0.17386	349.41
387.44	-0.18429	348.97

387.54	-0.19456	348.5
387.64	-0.20468	347.99
387.74	-0.21464	347.45
387.84	-0.22445	346.89
387.94	-0.2341	346.3
388.	-0.23984	345.94
388.01	-0.24079	345.89
388.02	-0.24175	345.83
388.05	-0.24459	345.68
388.14	-0.25301	345.34
388.24	-0.2622	345.06
388.34	-0.27123	344.86
388.44	-0.28011	344.72
388.54	-0.28884	344.63
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388.74	-0.30584	344.57
388.84	-0.31411	344.6
388.94	-0.32223	344.65
389.	-0.32704	344.69
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389.02	-0.32865	344.71
389.05	-0.33103	344.72
389.14	-0.33807	344.7
389.24	-0.34575	344.66
389.34	-0.35328	344.59
389.44	-0.36067	344.51
389.54	-0.36792	344.42
389.64	-0.37503	344.31
389.74	-0.38199	344.2
389.84	-0.38882	344.09
389.94	-0.39551	343.97
390.	-0.39948	343.89
390.01	-0.40014	343.88
390.02	-0.4008	343.87
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390.14	-0.40854	343.72
390.24	-0.41482	343.59
390.34	-0.42097	343.47
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390.54	-0.43286	343.22
390.64	-0.43861	343.09
390.74	-0.44422	342.97
390.84	-0.44969	342.84
390.94	-0.45503	342.72
391.	-0.45819	342.64
391.01	-0.45871	342.63
391.02	-0.45924	342.61
391.05	-0.4608	342.58
391.14	-0.46536	342.46
391.24	-0.4703	342.32
391.34	-0.47511	342.18
391.44	-0.47979	342.04
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391.64	-0.48874	341.74
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391.84	-0.49717	341.45
391.94	-0.50119	341.3
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392.01	-0.50395	341.2
392.02	-0.50434	341.19
392.05	-0.5055	341.2
392.14	-0.50889	341.42
392.24	-0.51253	341.85
392.34	-0.51605	342.42
392.44	-0.51944	343.13
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392.74	-0.52892	345.82
392.84	-0.53186	346.89
392.94	-0.5347	348.02
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393.01	-0.53663	348.84
393.02	-0.53691	348.94
393.05	-0.53772	349.22
393.14	-0.54007	349.76
393.24	-0.54259	350.12
393.34	-0.54501	350.28
393.44	-0.54734	350.29
393.54	-0.54957	350.17
393.64	-0.5517	349.95
393.74	-0.55373	349.64
393.84	-0.55567	349.25
393.94	-0.55751	348.78
394.	-0.55858	348.47
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394.74	-0.56859	343.16
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395.01	-0.57073	340.64
395.02	-0.57079	340.55
395.05	-0.57099	340.28
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395.44	-0.57235	337.76
395.54	-0.57241	337.23
395.64	-0.57235	336.74
395.74	-0.57217	336.27
395.84	-0.57188	335.82
395.94	-0.57147	335.39
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396.05	-0.57094	335.03
396.14	-0.57038	335.24
396.24	-0.56966	335.78
396.34	-0.56884	336.57
396.44	-0.56793	337.57
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396.64	-0.56584	340.1
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397.24	-0.55783	347.88
397.34	-0.55627	347.94
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399.	-0.52062	336.16
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409.	0.22761	323.63
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409.05	0.23381	323.63
409.14	0.24507	323.67
409.24	0.25768	323.75
409.34	0.27039	323.85
409.44	0.28319	323.96
409.54	0.29609	324.09
409.64	0.30908	324.23
409.74	0.32217	324.38
409.84	0.33535	324.55
409.94	0.34861	324.73
410.	0.35661	324.84
410.01	0.35794	324.85
410.02	0.35928	324.87
410.05	0.36329	324.91
410.14	0.37539	324.99
410.24	0.38893	325.07
410.34	0.40255	325.12
410.44	0.41626	325.16
410.54	0.43005	325.19
410.64	0.44392	325.21
410.74	0.45788	325.22
410.84	0.47192	
410.94	0.48604	325.21
411.	0.49455	325.2
411.01	0.49596	
411.02	0.49738	
411.05	0.50165	
411.14	0.5145	325.21
411.24	0.52887	325.22
411.34	0.54332	325.24
411.44	0.55785	325.26
411.54	0.57247	325.27
411.64	0.58717	325.29
411.74	0.60196	325.31
411.84	0.61683	325.33
411.94	0.63178	325.35
412.	0.64078	325.36
412.01	0.64228	325.37
412.02	0.64379	
412.05	0.6483	325.38
412.14	0.66191	325.4
412.24	0.67712	325.42
412.34	0.69241	325.45
412.44	0.70778	325.47
412.54	0.72323	325.5
412.64	0.73876	325.53
412.74	0.75437	325.56
412.84	0.77006	325.59
412.94	0.78582	325.62

413.	0.79531	325.63
413.01	0.79689	325.64
413.02	0.79847	
413.05	0.80323	325.65
413.14	0.81755	325.68
413.24	0.83354	325.71
413.34	0.8496	325.75
413.44	0.86574	325.78
413.54	0.88194	325.81
413.64	0.89822	325.85
413.74	0.91456	325.89
413.84	0.93098	325.92
413.94	0.94746	325.96
414.	0.95737	325.98
414.01	0.95902	325.99
414.02	0.96067	326.
414.05	0.96564	326.02
414.14	0.98059	326.14
414.24	0.99726	326.31
414.34	1.014	326.5
414.44	1.0308	326.71
414.54	1.0476	326.94
414.64	1.0645	327.19
414.74	1.0815	327.45
414.84	1.0985	327.73
414.94	1.1155	328.03
415.	1.1258	328.21
415.01	1.1275	328.24
415.02	1.1292	328.26
415.05	1.1343	328.33
415.14	1.1497	328.47
415.24	1.1669	328.59
415.34	1.1841	328.69
415.44	1.2014	328.75
415.54	1.2187	328.8
415.64	1.236	328.83
415.74	1.2534	328.84
415.84	1.2708	328.83
415.94	1.2882	328.81
416.	1.2987	328.8
416.01	1.3005	328.79
416.02	1.3022	
416.05	1.3075	
416.14	1.3232	328.78
416.24	1.3408	328.77
416.34	1.3584	328.76
416.44	1.376	328.75
416.54	1.3937	328.73
416.64	1.4115	328.72
416.74	1.4293	328.7
416.84	1.4471	328.68
416.94	1.465	328.65
417.	1.4757	328.64
417.01	1.4775	328.63
417.02	1.4793	
417.05	1.4847	328.62
417.14	1.5009	328.59
417.24	1.5189	328.55
417.34	1.537	328.51
417.44	1.5552	328.47
417.54	1.5734	328.42
417.64	1.5916	328.37
417.74	1.6099	328.32
417.84	1.6282	328.26
417.94	1.6466	328.2
418.	1.6577	328.17

418.01	1.6595	328.16
418.02	1.6613	
418.05	1.6669	328.15
418.14	1.6835	328.14
418.24	1.702	328.16
418.34	1.7206	328.18
418.44	1.7392	328.22
418.54	1.7579	328.27
418.64	1.7765	328.33
418.74	1.7953	328.39
418.84	1.814	328.46
418.94	1.8328	328.54
419.	1.8441	328.59
419.01	1.846	328.6
419.02	1.8479	328.61
419.05	1.8535	328.64
419.14	1.8705	328.74
419.24	1.8894	328.87
419.34	1.9083	329.02
419.44	1.9273	329.17
419.54	1.9463	329.33
419.64	1.9653	329.51
419.74	1.9843	329.69
419.84	2.0033	329.88
419.94	2.0224	330.07
420.	2.0338	330.2
420.01	2.0357	330.21
420.02	2.0376	330.23
420.05	2.0434	330.26
420.14	2.0605	330.32
420.24	2.0796	330.35
420.34	2.0988	330.34
420.44	2.1179	330.3
420.54	2.1371	330.25
420.64	2.1563	330.17
420.74	2.1755	330.07
420.84	2.1947	329.95
420.94	2.214	329.82
421.	2.2255	329.74
421.01	2.2275	329.73
421.02	2.2294	329.72
421.05	2.2352	329.69
421.14	2.2525	329.62
421.24	2.2719	329.57
421.34	2.2913	329.52
421.44	2.3107	329.49
421.54	2.3301	329.46
421.64	2.3496	329.44
421.74	2.3692	329.42
421.84	2.3888	329.4
421.94	2.4084	329.39
422.	2.4202	
422.01	2.4221	
422.02	2.4241	
422.05	2.43	
422.14	2.4477	329.42
422.24	2.4675	329.45
422.34	2.4873	329.5
422.44	2.5071	329.56
422.54	2.527	329.63
422.64	2.5469	329.7
422.74	2.5669	329.78
422.84	2.5868	329.87
422.94	2.6069	329.96
423.	2.6189	330.02
423.01	2.6209	330.03

423.02	2.6229	330.04
423.05	2.6289	330.06
423.14	2.647	330.12
423.24	2.6671	330.19
423.34	2.6872	330.25
423.44	2.7074	330.3
423.54	2.7276	330.35
423.64	2.7478	330.4
423.74	2.768	330.45
423.84	2.7883	330.5
423.94	2.8086	330.54
424.	2.8208	330.57
424.01	2.8228	330.58
424.02	2.8248	
424.05	2.8309	330.6
424.14	2.8492	330.67
424.24	2.8696	330.75
424.34	2.89	330.84
424.44	2.9104	330.93
424.54	2.9308	331.03
424.64	2.9513	331.14
424.74	2.9718	331.25
424.84	2.9923	331.37
424.94	3.0129	331.48
425.	3.0252	331.56
425.01	3.0272	331.57
425.02	3.0293	331.58
425.05	3.0355	331.6
425.14	3.054	331.66
425.24	3.0746	331.72
425.34	3.0953	331.75
425.44	3.1159	331.78
425.54	3.1366	331.8
425.64	3.1573	331.81
425.74	3.1781	331.82
425.84	3.1988	
425.94	3.2196	331.81
426.	3.2321	331.8
426.01	3.2342	
426.02	3.2362	
426.05	3.2425	
426.14	3.2612	331.78
426.24	3.2821	331.75
426.34	3.303	331.73
426.44	3.3239	331.69
426.54	3.3449	331.66
426.64	3.3659	331.62
426.74	3.3869	331.57
426.84	3.408	331.53
426.94	3.429	331.47
427.	3.4417	331.44
427.01	3.4438	
427.02	3.4459	331.43
427.05	3.4523	
427.14	3.4713	
427.24	3.4925	331.44
427.34	3.5137	331.47
427.44	3.535	331.5
427.54	3.5562	331.55
427.64	3.5776	331.6
427.74	3.5989	331.66
427.84	3.6203	331.72
427.94	3.6417	331.79
428.	3.6545	331.83
428.01	3.6567	331.84
428.02	3.6588	331.85

428.05	3.6652	331.87
428.14	3.6846	331.94
428.24	3.706	332.02
428.34	3.7275	332.11
428.44	3.749	332.2
428.54	3.7706	332.29
428.64	3.7921	332.39
428.74	3.8137	332.49
428.84	3.8353	332.59
428.94	3.8569	332.69
429.	3.8699	332.76
429.01	3.8721	332.77
429.02	3.8742	
429.05	3.8807	332.79
429.14	3.9002	332.82
429.24	3.9218	
429.34	3.9435	332.81
429.44	3.9652	332.78
429.54	3.9869	332.74
429.64	4.0086	332.69
429.74	4.0303	332.62
429.84	4.0521	332.54
429.94	4.0738	332.46
430.	4.0869	332.4
430.01	4.0891	332.39
430.02	4.0913	
430.05	4.0978	332.38
430.14	4.1174	
430.24	4.1393	332.41
430.34	4.1611	332.45
430.44	4.183	332.52
430.54	4.2049	332.6
430.64	4.2268	332.69
430.74	4.2488	332.79
430.84	4.2707	332.91
430.94	4.2927	333.03
431.	4.306	333.11
431.01	4.3082	333.12
431.02	4.3104	333.13
431.05	4.317	333.15
431.14	4.3368	333.19
431.24	4.3589	333.21
431.34	4.3809	333.2
431.44	4.4031	333.18
431.54	4.4252	333.15
431.64	4.4473	333.1
431.74	4.4695	333.05
431.84	4.4917	332.98
431.94	4.5139	332.91
432.	4.5272	332.86
432.01	4.5294	332.85
432.02	4.5316	332.84
432.05	4.5383	332.83
432.14	4.5583	332.79
432.24	4.5805	332.75
432.34	4.6028	332.72
432.44	4.6251	332.7
432.54	4.6475	332.68
432.64	4.6698	332.66
432.74	4.6922	332.64
432.84	4.7146	332.63
432.94	4.737	332.61
433.	4.7505	
433.01	4.7527	332.6
433.02	4.755	
433.05	4.7617	

433.14	4.7819	332.59
433.24	4.8044	332.57
433.34	4.827	332.56
433.44	4.8495	332.54
433.54	4.8721	332.52
433.64	4.8948	332.51
433.74	4.9174	332.49
433.84	4.9401	332.48
433.94	4.9628	332.46
434.	4.9764	332.45
434.01	4.9787	
434.02	4.9809	
434.05	4.9878	
434.14	5.0082	332.48
434.24	5.031	332.53
434.34	5.0538	332.59
434.44	5.0766	332.67
434.54	5.0994	332.75
434.64	5.1223	332.84
434.74	5.1452	332.95
434.84	5.1681	333.06
434.94	5.191	333.17
435.	5.2048	333.24
435.01	5.2071	333.25
435.02	5.2094	333.26
435.05	5.2162	333.29
435.14	5.2369	333.34
435.24	5.2599	333.38
435.34	5.2829	333.4
435.44	5.3059	333.42
435.54	5.3289	
435.64	5.352	
435.74	5.3751	333.41
435.84	5.3981	333.39
435.94	5.4213	333.37
436.	5.4351	333.35
436.01	5.4374	
436.02	5.4397	
436.05	5.4467	
436.14	5.4675	333.34
436.24	5.4907	333.35
436.34	5.5139	
436.44	5.5371	333.37
436.54	5.5603	333.38
436.64	5.5836	333.4
436.74	5.6069	333.41
436.84	5.6302	333.44
436.94	5.6535	333.46
437.	5.6675	333.47
437.01	5.6699	
437.02	5.6722	333.48
437.05	5.6792	
437.14	5.7003	333.47
437.24	5.7237	333.46
437.34	5.7472	333.43
437.44	5.7706	333.4
437.54	5.7941	333.37
437.64	5.8177	333.33
437.74	5.8412	333.28
437.84	5.8648	333.23
437.94	5.8884	333.18
438.	5.9026	333.15
438.01	5.905	333.14
438.02	5.9073	
438.05	5.9144	333.13
438.14	5.9357	333.1

438.24	5.9594	333.08
438.34	5.9831	333.06
438.44	6.0069	333.04
438.54	6.0307	333.03
438.64	6.0545	333.02
438.74	6.0783	333.01
438.84	6.1022	
438.94	6.1261	
439.	6.1404	333.
439.01	6.1428	
439.02	6.1452	
439.05	6.1524	
439.14	6.1739	332.97
439.24	6.1979	332.94
439.34	6.2219	332.9
439.44	6.246	332.86
439.54	6.27	332.81
439.64	6.2941	332.76
439.74	6.3182	332.71
439.84	6.3424	332.65
439.94	6.3665	332.59
440.	6.381	332.55
440.01	6.3835	332.54
440.02	6.3859	
440.05	6.3931	332.53
440.14	6.4149	332.5
440.24	6.4392	332.49
440.34	6.4635	332.48
440.44	6.4878	
440.54	6.5121	
440.64	6.5365	332.5
440.74	6.5609	332.51
440.84	6.5853	332.53
440.94	6.6098	332.56
441.	6.6245	332.57
441.01	6.6269	
441.02	6.6293	
441.05	6.6367	
441.14	6.6588	332.56
441.24	6.6833	332.54
441.34	6.7079	332.51
441.44	6.7324	332.46
441.54	6.7571	332.42
441.64	6.7817	332.37
441.74	6.8064	332.31
441.84	6.8311	332.26
441.94	6.8558	332.21
442.	6.8707	332.19
442.01	6.8732	332.18
442.02	6.8756	
442.05	6.8831	332.17
442.14	6.9054	332.13
442.24	6.9302	332.1
442.34	6.9551	332.06
442.44	6.98	332.02
442.54	7.0049	331.99
442.64	7.0299	331.96
442.74	7.0549	331.93
442.84	7.0799	331.9
442.94	7.105	331.87
443.	7.12	331.86
443.01	7.1225	
443.02	7.125	331.85
443.05	7.1326	
443.14	7.1552	331.82
443.24	7.1804	331.8

443.34	7.2056	331.78
443.44	7.2308	331.76
443.54	7.2561	331.74
443.64	7.2814	331.72
443.74	7.3068	
443.84	7.3322	331.73
443.94	7.3576	331.76
444.	7.3729	331.77
444.01	7.3754	
444.02	7.3779	331.78
444.05	7.3856	
444.14	7.4085	331.81
444.24	7.434	331.84
444.34	7.4596	331.88
444.44	7.4852	331.92
444.54	7.5108	331.96
444.64	7.5364	332.
444.74	7.5621	332.05
444.84	7.5878	332.1
444.94	7.6135	332.15
445.	7.629	332.18
445.01	7.6315	
445.02	7.6341	
445.05	7.6419	332.19
445.14	7.6651	332.2
445.24	7.6909	332.21
445.34	7.7167	332.2
445.44	7.7426	332.18
445.54	7.7685	332.16
445.64	7.7944	332.13
445.74	7.8204	332.1
445.84	7.8463	332.06
445.94	7.8724	332.02
446.	7.888	331.99
446.01	7.8906	
446.02	7.8932	331.98
446.05	7.901	331.97
446.14	7.9245	331.95
446.24	7.9506	331.92
446.34	7.9767	331.89
446.44	8.0029	331.87
446.54	8.0291	331.84
446.64	8.0553	331.82
446.74	8.0816	331.8
446.84	8.1079	331.78
446.94	8.1342	331.76
447.	8.15	331.75
447.01	8.1527	331.74
447.02	8.1553	
447.05	8.1632	331.73
447.14	8.187	331.7
447.24	8.2134	331.66
447.34	8.2399	331.62
447.44	8.2664	331.59
447.54	8.2929	331.56
447.64	8.3194	331.53
447.74	8.346	331.5
447.84	8.3727	331.46
447.94	8.3993	331.43
448.	8.4153	331.41
448.01	8.418	
448.02	8.4207	331.4
448.05	8.4287	
448.14	8.4527	331.37
448.24	8.4794	331.34
448.34	8.5062	331.32

448.44	8.533	331.29
448.54	8.5599	331.27
448.64	8.5867	331.25
448.74	8.6136	331.23
448.84	8.6405	331.21
448.94	8.6675	331.2
449.	8.6836	331.19
449.01	8.6863	
449.02	8.689	
449.05	8.6971	331.18
449.14	8.7214	
449.24	8.7484	331.19
449.34	8.7754	331.21
449.44	8.8025	331.23
449.54	8.8296	331.26
449.64	8.8567	331.29
449.74	8.8838	331.32
449.84	8.9109	331.35
449.94	8.9381	331.38
450.	8.9544	331.4
450.01	8.9571	331.41
450.02	8.9598	
450.05	8.968	
450.14	8.9925	331.42
450.24	9.0197	331.41
450.34	9.0469	331.39
450.44	9.0741	331.37
450.54	9.1014	331.34
450.64	9.1287	331.31
450.74	9.156	331.27
450.84	9.1833	331.23
450.94	9.2106	331.19
451.	9.227	331.17
451.01	9.2297	
451.02	9.2325	331.16
451.05	9.2407	331.15
451.14	9.2653	331.13
451.24	9.2927	331.1
451.34	9.3201	331.08
451.44	9.3475	331.06
451.54	9.375	331.03
451.64	9.4024	331.01
451.74	9.4299	330.99
451.84	9.4574	330.97
451.94	9.4849	330.95
452.	9.5015	330.94
452.01	9.5042	
452.02	9.507	
452.05	9.5152	330.93
452.14	9.54	330.92
452.24	9.5676	330.89
452.34	9.5952	330.87
452.44	9.6229	330.85
452.54	9.6505	330.83
452.64	9.6782	330.81
452.74	9.7059	330.78
452.84	9.7336	330.76
452.94	9.7613	330.74
453.	9.7779	330.72
453.01	9.7807	
453.02	9.7835	
453.05	9.7918	330.71
453.14	9.8168	330.69
453.24	9.8446	330.66
453.34	9.8724	330.64
453.44	9.9002	330.62

453.54	9.928	330.59
453.64	9.9559	330.57
453.74	9.9838	330.54
453.84	10.012	330.52
453.94	10.04	330.49
454.	10.056	330.48
454.01	10.059	
454.02	10.062	330.47
454.05	10.07	
454.14	10.095	330.44
454.24	10.123	330.42
454.34	10.151	330.39
454.44	10.179	330.37
454.54	10.207	330.34
454.64	10.235	330.32
454.74	10.264	330.29
454.84	10.292	330.26
454.94	10.32	330.24
455.	10.337	330.22
455.01	10.339	
455.02	10.342	
455.05	10.351	330.21
455.14	10.376	330.19
455.24	10.404	330.16
455.34	10.432	330.14
455.44	10.46	330.11
455.54	10.489	330.08
455.64	10.517	330.06
455.74	10.545	330.03
455.84	10.573	330.01
455.94	10.601	329.98
456.	10.618	329.97
456.01	10.621	329.96
456.02	10.624	
456.05	10.633	329.95
456.14	10.658	329.93
456.24	10.686	329.9
456.34	10.715	329.88
456.44	10.743	329.85
456.54	10.771	329.83
456.64	10.8	329.8
456.74	10.828	329.78
456.84	10.856	329.76
456.94	10.885	329.74
457.	10.902	329.72
457.01	10.905	
457.02	10.907	
457.05	10.916	329.71
457.14	10.942	329.69
457.24	10.97	329.67
457.34	10.998	329.66
457.44	11.027	329.64
457.54	11.055	329.62
457.64	11.084	329.6
457.74	11.112	329.58
457.84	11.141	329.57
457.94	11.169	329.55
458.	11.187	329.54
458.01	11.189	
458.02	11.192	329.53
458.05	11.201	
458.14	11.227	329.51
458.24	11.255	329.5
458.34	11.284	329.48
458.44	11.312	329.46
458.54	11.341	329.44

458.64	11.37	329.42
458.74	11.398	329.4
458.84	11.427	329.38
458.94	11.456	329.36
459.	11.473	329.34
459.01	11.476	
459.02	11.479	
459.05	11.487	329.33
459.14	11.513	329.31
459.24	11.542	329.29
459.34	11.57	329.26
459.44	11.599	329.24
459.54	11.628	329.21
459.64	11.657	329.19
459.74	11.685	329.17
459.84	11.714	329.15
459.94	11.743	329.13
460.	11.76	329.12
460.01	11.763	329.11
460.02	11.766	
460.05	11.775	
460.14	11.801	329.09
460.24	11.83	329.07
460.34	11.858	329.06
460.44	11.887	329.04
460.54	11.916	329.02
460.64	11.945	329.01
460.74	11.974	328.99
460.84	12.003	328.97
460.94	12.032	328.95
461.	12.049	328.94
461.01	12.052	328.93
461.02	12.055	
461.05	12.064	
461.14	12.09	328.9
461.24	12.119	328.88
461.34	12.148	328.86
461.44	12.177	328.83
461.54	12.205	328.81
461.64	12.234	328.78
461.74	12.263	328.75
461.84	12.292	328.73
461.94	12.321	328.71
462.	12.339	328.69
462.01	12.342	
462.02	12.345	
462.05	12.353	328.68
462.14	12.379	328.66
462.24	12.409	328.63
462.34	12.438	328.61
462.44	12.467	328.59
462.54	12.496	328.57
462.64	12.525	328.54
462.74	12.554	328.52
462.84	12.583	328.5
462.94	12.612	328.47
463.	12.629	328.46
463.01	12.632	328.45
463.02	12.635	
463.05	12.644	328.44
463.14	12.67	328.42
463.24	12.699	328.4
463.34	12.728	328.37
463.44	12.757	328.34
463.54	12.787	328.32
463.64	12.816	328.3

463.74	12.845	328.27
463.84	12.874	328.25
463.94	12.903	328.23
464.	12.921	328.21
464.01	12.923	
464.02	12.926	
464.05	12.935	328.2
464.14	12.961	328.19
464.24	12.99	328.17
464.34	13.02	328.15
464.44	13.049	328.13
464.54	13.078	328.12
464.64	13.107	328.1
464.74	13.136	328.08
464.84	13.165	328.07
464.94	13.195	328.05
465.	13.212	328.04
465.01	13.215	
465.02	13.218	328.03
465.05	13.227	
465.14	13.253	328.01
465.24	13.282	327.99
465.34	13.311	327.97
465.44	13.34	327.95
465.54	13.369	327.93
465.64	13.399	327.91
465.74	13.428	327.89
465.84	13.457	327.86
465.94	13.486	327.84
466.	13.504	327.82
466.01	13.507	
466.02	13.509	
466.05	13.518	327.81
466.14	13.544	327.79
466.24	13.574	327.76
466.34	13.603	327.73
466.44	13.632	327.7
466.54	13.661	327.67
466.64	13.69	327.65
466.74	13.72	327.62
466.84	13.749	327.59
466.94	13.778	327.56
467.	13.796	327.54
467.01	13.798	327.53
467.02	13.801	
467.05	13.81	327.52
467.14	13.836	327.5
467.24	13.866	327.47
467.34	13.895	327.44
467.44	13.924	327.41
467.54	13.953	327.38
467.64	13.983	327.35
467.74	14.012	327.32
467.84	14.041	327.29
467.94	14.07	327.26
468.	14.088	327.25
468.01	14.091	327.24
468.02	14.094	
468.05	14.102	327.23
468.14	14.129	327.21
468.24	14.158	327.18
468.34	14.187	327.16
468.44	14.216	327.13
468.54	14.245	327.11
468.64	14.275	327.08
468.74	14.304	327.06

468.84	14.333	327.03
468.94	14.362	327.
469.	14.38	326.99
469.01	14.383	326.98
469.02	14.386	
469.05	14.394	326.97
469.14	14.421	326.95
469.24	14.45	326.92
469.34	14.479	326.89
469.44	14.508	326.87
469.54	14.538	326.84
469.64	14.567	326.81
469.74	14.596	326.78
469.84	14.625	326.75
469.94	14.654	326.73
470.	14.672	326.71
470.01	14.675	
470.02	14.678	
470.05	14.686	326.7
470.14	14.713	326.67
470.24	14.742	326.65
470.34	14.771	326.62
470.44	14.8	326.6
470.54	14.829	326.57
470.64	14.859	326.54
470.74	14.888	326.52
470.84	14.917	326.49
470.94	14.946	326.46
471.	14.964	326.44
471.01	14.967	
471.02	14.97	
471.05	14.978	326.43
471.14	15.005	326.4
471.24	15.034	326.37
471.34	15.063	326.34
471.44	15.092	326.32
471.54	15.121	326.29
471.64	15.15	326.25
471.74	15.18	326.22
471.84	15.209	326.19
471.94	15.238	326.16
472.	15.255	326.14
472.01	15.258	
472.02	15.261	
472.05	15.27	326.13
472.14	15.296	326.1
472.24	15.325	326.07
472.34	15.355	326.04
472.44	15.384	326.01
472.54	15.413	325.98
472.64	15.442	325.95
472.74	15.471	325.92
472.84	15.5	325.89
472.94	15.53	325.86
473.	15.547	325.84
473.01	15.55	
473.02	15.553	
473.05	15.562	325.83
473.14	15.588	325.8
473.24	15.617	325.78
473.34	15.646	325.75
473.44	15.675	325.72
473.54	15.704	325.69
473.64	15.734	325.67
473.74	15.763	325.64
473.84	15.792	325.61

473.94	15.821	325.58
474.	15.838	325.56
474.01	15.841	
474.02	15.844	
474.05	15.853	325.55
474.14	15.879	325.52
474.24	15.908	325.49
474.34	15.937	325.46
474.44	15.966	325.43
474.54	15.996	325.4
474.64	16.025	325.37
474.74	16.054	325.34
474.84	16.083	325.31
474.94	16.112	325.27
475.	16.129	325.26
475.01	16.132	325.25
475.02	16.135	
475.05	16.144	325.24
475.14	16.17	325.21
475.24	16.199	325.18
475.34	16.228	325.15
475.44	16.257	325.12
475.54	16.286	325.09
475.64	16.315	325.06
475.74	16.345	325.03
475.84	16.374	325.
475.94	16.403	324.97
476.	16.42	324.96
476.01	16.423	
476.02	16.426	324.95
476.05	16.435	324.94
476.14	16.461	324.92
476.24	16.49	324.9
476.34	16.519	324.87
476.44	16.548	324.85
476.54	16.577	324.83
476.64	16.606	324.8
476.74	16.635	324.78
476.84	16.664	324.75
476.94	16.693	324.73
477.	16.71	324.71
477.01	16.713	
477.02	16.716	324.7
477.05	16.725	
477.14	16.751	324.67
477.24	16.78	324.64
477.34	16.809	324.61
477.44	16.838	324.59
477.54	16.867	324.56
477.64	16.896	324.53
477.74	16.924	324.5
477.84	16.953	324.47
477.94	16.982	324.43
478.	17.	324.42
478.01	17.003	324.41
478.02	17.005	
478.05	17.014	324.4
478.14	17.04	324.37
478.24	17.069	324.34
478.34	17.098	324.31
478.44	17.127	324.28
478.54	17.156	324.25
478.64	17.185	324.22
478.74	17.214	324.19
478.84	17.243	324.16
478.94	17.271	324.13

479.	17.289	
479.01	17.292	324.11
479.02	17.295	
479.05	17.303	324.1
479.14	17.329	324.08
479.24	17.358	324.05
479.34	17.387	324.02
479.44	17.416	324.
479.54	17.444	323.97
479.64	17.473	323.95
479.74	17.502	323.93
479.84	17.531	323.9
479.94	17.56	323.88
480.	17.577	
480.01	17.58	323.86
480.02	17.583	
480.05	17.591	323.85
480.14	17.617	323.83
480.24	17.646	323.81
480.34	17.675	323.78
480.44	17.703	323.76
480.54	17.732	323.73
480.64	17.761	323.71
480.74	17.79	323.68
480.84	17.818	323.66
480.94	17.847	323.63
481.	17.864	323.62
481.01	17.867	323.61
481.02	17.87	
481.05	17.878	323.6
481.14	17.904	323.58
481.24	17.933	323.55
481.34	17.962	323.53
481.44	17.99	323.5
481.54	18.019	323.47
481.64	18.047	323.45
481.74	18.076	323.42
481.84	18.105	323.4
481.94	18.133	323.37
482.	18.15	323.36
482.01	18.153	
482.02	18.156	323.35
482.05	18.165	
482.14	18.19	323.33
482.24	18.219	323.3
482.34	18.247	323.28
482.44	18.276	323.26
482.54	18.304	323.24
482.64	18.333	323.22
482.74	18.361	323.2
482.84	18.39	323.18
482.94	18.418	323.16
483.	18.435	
483.01	18.438	323.14
483.02	18.441	
483.05	18.45	323.13
483.14	18.475	323.11
483.24	18.504	323.09
483.34	18.532	323.07
483.44	18.56	323.04
483.54	18.589	323.02
483.64	18.617	323.
483.74	18.645	322.97
483.84	18.674	322.95
483.94	18.702	322.92
484.	18.719	

484.01	18.722	322.91
484.02	18.725	322.9
484.05	18.733	
484.14	18.759	322.87
484.24	18.787	322.85
484.34	18.815	322.82
484.44	18.843	322.79
484.54	18.872	322.77
484.64	18.9	322.74
484.74	18.928	322.71
484.84	18.956	322.69
484.94	18.984	322.66
485.	19.001	322.65
485.01	19.004	322.64
485.02	19.007	
485.05	19.015	322.63
485.14	19.041	322.61
485.24	19.069	322.58
485.34	19.097	322.56
485.44	19.125	322.53
485.54	19.132	322.51
485.64	19.128	322.48
485.74	19.123	322.46
485.84	19.119	322.43
485.94	19.114	322.41
486.	19.112	322.39
486.01	19.111	
486.02		
486.05	19.109	322.38
486.14	19.105	322.36
486.24	19.101	322.33
486.34	19.096	322.31
486.44	19.092	322.28
486.54	19.088	322.26
486.64	19.083	322.23
486.74	19.079	322.2
486.84	19.074	322.18
486.94	19.07	322.15
487.	19.067	322.14
487.01		322.13
487.02	19.066	
487.05	19.065	322.12
487.14	19.061	322.1
487.24	19.057	322.07
487.34	19.052	322.04
487.44	19.048	322.02
487.54	19.043	321.99
487.64	19.039	321.96
487.74	19.035	321.93
487.84	19.03	321.9
487.94	19.026	321.88
488.	19.023	321.86
488.01		
488.02		321.85
488.05	19.021	321.84
488.14	19.017	321.82
488.24	19.013	321.79
488.34	19.009	321.76
488.44	19.004	321.73
488.54	19.	321.7
488.64	18.996	321.67
488.74	18.991	321.65
488.84	18.987	321.62
488.94	18.983	321.59
489.	18.98	321.57
489.01		

489.02	18.979	
489.05	18.978	321.56
489.14	18.974	321.53
489.24	18.97	321.51
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489.44	18.961	321.45
489.54	18.957	321.42
489.64	18.953	321.4
489.74	18.949	321.37
489.84	18.944	321.34
489.94	18.94	321.31
490.	18.938	321.29
490.01	18.937	
490.02		
490.05	18.936	321.28
490.14	18.932	321.25
490.24	18.928	321.23
490.34	18.923	321.2
490.44	18.919	321.17
490.54	18.915	321.14
490.64	18.911	321.11
490.74	18.907	321.08
490.84	18.902	321.06
490.94	18.898	321.03
491.	18.896	321.01
491.01	18.895	
491.02		
491.05	18.894	321.
491.14	18.89	320.98
491.24	18.886	320.95
491.34	18.882	320.93
491.44	18.877	320.91
491.54	18.873	320.88
491.64	18.869	320.86
491.74	18.865	320.83
491.84	18.861	320.81
491.94	18.857	320.78
492.	18.854	320.77
492.01		
492.02	18.853	320.76
492.05	18.852	
492.14	18.849	320.73
492.24	18.844	320.71
492.34	18.84	320.68
492.44	18.836	320.65
492.54	18.832	320.63
492.64	18.828	320.6
492.74	18.824	320.57
492.84	18.82	320.54
492.94	18.816	320.51
493.	18.813	320.5
493.01		320.49
493.02		
493.05	18.811	320.48
493.14	18.808	320.46
493.24	18.804	320.43
493.34	18.8	320.4
493.44	18.796	320.37
493.54	18.792	320.34
493.64	18.788	320.31
493.74	18.784	320.28
493.84	18.78	320.26
493.94	18.776	320.23
494.	18.773	320.21
494.01		
494.02	18.772	

494.05	18.771	320.2
494.14	18.767	320.17
494.24	18.764	320.14
494.34	18.76	320.11
494.44	18.756	320.08
494.54	18.752	320.05
494.64	18.748	320.02
494.74	18.744	319.99
494.84	18.74	319.96
494.94	18.736	319.93
495.	18.733	319.92
495.01		319.91
495.02		
495.05	18.731	319.9
495.14	18.728	319.87
495.24	18.724	319.84
495.34	18.72	319.81
495.44	18.716	319.78
495.54	18.712	319.75
495.64	18.708	319.72
495.74	18.704	319.69
495.84	18.7	319.66
495.94	18.697	319.63
496.	18.694	319.61
496.01		319.6
496.02	18.693	
496.05	18.692	319.59
496.14	18.689	319.56
496.24	18.685	319.53
496.34	18.681	319.5
496.44	18.677	319.47
496.54	18.673	319.44
496.64	18.669	319.42
496.74	18.666	319.39
496.84	18.662	319.36
496.94	18.658	319.33
497.	18.656	319.31
497.01	18.655	
497.02		
497.05	18.654	319.3
497.14	18.65	319.27
497.24	18.646	319.25
497.34	18.643	319.22
497.44	18.639	319.19
497.54	18.635	319.16
497.64	18.631	319.13
497.74	18.627	319.11
497.84	18.624	319.08
497.94	18.62	319.05
498.	18.618	319.03
498.01	18.617	
498.02		
498.05	18.616	319.02
498.14	18.612	318.99
498.24	18.609	318.96
498.34	18.605	318.93
498.44	18.601	318.9
498.54	18.597	318.87
498.64	18.593	318.84
498.74	18.59	318.81
498.84	18.586	318.78
498.94	18.582	318.75
499.	18.58	318.73
499.01		
499.02	18.579	318.72
499.05	18.578	318.71

499.14	18.575	318.69
499.24	18.571	318.66
499.34	18.567	318.63
499.44	18.564	318.6
499.54	18.56	318.57
499.64	18.556	318.54
499.74	18.553	318.51
499.84	18.549	318.48
499.94	18.545	318.45
500.	18.543	318.44
500.01		318.43
500.02	18.542	
500.05	18.541	318.42
500.14	18.538	318.39
500.24	18.534	318.36
500.34	18.531	318.34
500.44	18.527	318.31
500.54	18.523	318.28
500.64	18.52	318.25
500.74	18.516	318.22
500.84	18.512	318.19
500.94	18.509	318.15
501.	18.507	318.14
501.01	18.506	318.13
501.02		
501.05	18.505	318.12
501.14	18.501	318.09
501.24	18.498	318.06
501.34	18.494	318.03
501.44	18.491	318.
501.54	18.487	317.96
501.64	18.483	317.93
501.74	18.48	317.9
501.84	18.476	317.87
501.94	18.473	317.84
502.	18.471	317.82
502.01	18.47	317.81
502.02		
502.05	18.469	317.8
502.14	18.466	317.77
502.24	18.462	317.74
502.34	18.458	317.71
502.44	18.455	317.68
502.54	18.451	317.65
502.64	18.448	317.62
502.74	18.444	317.58
502.84	18.441	317.55
502.94	18.437	317.52
503.	18.435	317.5
503.01		
503.02	18.434	317.49
503.05	18.433	317.48
503.14	18.43	317.45
503.24	18.427	317.42
503.34	18.423	317.39
503.44	18.42	317.35
503.54	18.416	317.32
503.64	18.413	317.28
503.74	18.409	317.25
503.84	18.406	317.21
503.94	18.402	317.18
504.	18.4	317.16
504.01		317.15
504.02		
504.05	18.398	317.14
504.14	18.395	317.11

504.24	18.392	317.08
504.34	18.388	317.04
504.44	18.385	317.01
504.54	18.382	316.97
504.64	18.378	316.94
504.74	18.375	316.91
504.84	18.371	316.87
504.94	18.368	316.84
505.	18.366	316.82
505.01	18.365	
505.02		316.81
505.05	18.364	316.8
505.14	18.361	316.77
505.24	18.358	316.74
505.34	18.354	316.7
505.44	18.351	316.67
505.54	18.347	316.64
505.64	18.344	316.6
505.74	18.341	316.57
505.84	18.337	316.53
505.94	18.334	316.5
506.	18.332	316.48
506.01		316.47
506.02	18.331	
506.05	18.33	316.46
506.14	18.327	316.43
506.24	18.324	316.39
506.34	18.321	316.36
506.44	18.317	316.32
506.54	18.314	316.29
506.64	18.311	316.25
506.74	18.307	316.21
506.84	18.304	316.18
506.94	18.301	316.14
507.	18.299	316.12
507.01	18.298	
507.02		316.11
507.05	18.297	316.1
507.14	18.294	316.07
507.24	18.291	316.04
507.34	18.287	316.
507.44	18.284	315.96
507.54	18.281	315.93
507.64	18.277	315.89
507.74	18.274	315.86
507.84	18.271	315.82
507.94	18.268	315.79
508.	18.266	315.77
508.01	18.265	315.76
508.02		
508.05	18.264	315.75
508.14	18.261	315.72
508.24	18.258	315.68
508.34	18.255	315.64
508.44	18.251	315.61
508.54	18.248	315.57
508.64	18.245	315.54
508.74	18.242	315.5
508.84	18.238	315.46
508.94	18.235	315.43
509.	18.233	315.41
509.01		315.4
509.02		
509.05	18.232	315.39
509.14	18.229	315.36
509.24	18.225	315.32

509.34	18.222	315.29
509.44	18.219	315.25
509.54	18.216	315.21
509.64	18.213	315.18
509.74	18.209	315.14
509.84	18.206	315.11
509.94	18.203	315.08
510.	18.201	315.05
510.01		
510.02	18.2	
510.05		315.04
510.14	18.197	315.01
510.24	18.193	314.97
510.34	18.19	314.94
510.44	18.187	314.9
510.54	18.184	314.87
510.64	18.181	314.84
510.74	18.178	314.8
510.84	18.175	314.77
510.94	18.171	314.74
511.	18.17	314.72
511.01	18.169	314.71
511.02		
511.05	18.168	314.7
511.14	18.165	314.67
511.24	18.162	314.63
511.34	18.159	314.6
511.44	18.156	314.57
511.54	18.153	314.53
511.64	18.149	314.5
511.74	18.146	314.46
511.84	18.143	314.43
511.94	18.14	314.39
512.	18.138	314.37
512.01		
512.02		
512.05	18.137	314.36
512.14	18.134	314.33
512.24	18.131	314.29
512.34	18.128	314.26
512.44	18.125	314.22
512.54	18.122	314.19
512.64	18.119	314.15
512.74	18.115	314.12
512.84	18.112	314.08
512.94	18.109	314.05
513.	18.108	314.03
513.01	18.107	314.02
513.02		
513.05	18.106	314.01
513.14	18.103	313.98
513.24	18.1	313.94
513.34	18.097	313.91
513.44	18.094	313.87
513.54	18.091	313.84
513.64	18.088	313.8
513.74	18.085	313.77
513.84	18.082	313.73
513.94	18.079	313.7
514.	18.077	313.67
514.01		
514.02		
514.05	18.076	313.66
514.14	18.073	313.62
514.24	18.07	313.59
514.34	18.067	313.55

514.44	18.064	313.52
514.54	18.061	313.49
514.64	18.058	313.46
514.74	18.055	313.43
514.84	18.052	313.4
514.94	18.049	313.37
515.	18.047	313.35
515.01		313.34
515.02		
515.05	18.046	313.33
515.14	18.043	313.31
515.24	18.04	313.28
515.34	18.037	313.25
515.44	18.034	313.22
515.54	18.031	313.19
515.64	18.028	313.16
515.74	18.025	313.13
515.84	18.023	313.1
515.94	18.02	313.07
516.	18.018	313.05
516.01		
516.02	18.017	
516.05	18.016	313.04
516.14	18.014	313.01
516.24	18.011	312.98
516.34	18.008	312.95
516.44	18.005	312.91
516.54	18.002	312.88
516.64	17.999	312.85
516.74	17.996	312.82
516.84	17.993	312.79
516.94	17.991	312.75
517.	17.989	312.74
517.01		312.73
517.02	17.988	
517.05	17.987	312.72
517.14	17.985	312.69
517.24	17.982	312.66
517.34	17.979	312.63
517.44	17.976	312.6
517.54	17.973	312.57
517.64	17.971	312.54
517.74	17.968	312.51
517.84	17.965	312.48
517.94	17.962	312.45
518.	17.96	312.44
518.01		312.43
518.02		
518.05	17.959	312.42
518.14	17.956	312.4
518.24	17.954	312.37
518.34	17.951	312.34
518.44	17.948	312.31
518.54	17.945	312.28
518.64	17.942	312.26
518.74	17.939	312.23
518.84	17.937	312.2
518.94	17.934	312.17
519.	17.932	312.15
519.01		
519.02		
519.05	17.931	312.14
519.14	17.928	312.11
519.24	17.926	312.08
519.34	17.923	312.05
519.44	17.92	312.02

519.54	17.917	311.99
519.64	17.914	311.96
519.74	17.912	311.93
519.84	17.909	311.9
519.94	17.906	311.87
520.	17.905	311.85
520.01	17.904	311.84
520.02		
520.05	17.903	311.83
520.14	17.901	311.8
520.24	17.898	311.77
520.34	17.895	311.74
520.44	17.893	311.71
520.54	17.89	311.68
520.64	17.887	311.65
520.74	17.884	311.62
520.84	17.882	311.59
520.94	17.879	311.56
521.	17.877	311.54
521.01		
521.02		
521.05	17.876	311.53
521.14	17.874	311.5
521.24	17.871	311.47
521.34	17.868	311.44
521.44	17.866	311.41
521.54	17.863	311.38
521.64	17.86	311.35
521.74	17.858	311.32
521.84	17.855	311.28
521.94	17.852	311.25
522.	17.851	311.24
522.01		311.23
522.02	17.85	
522.05	17.849	311.22
522.14	17.847	311.19
522.24	17.844	311.16
522.34	17.842	311.13
522.44	17.839	311.1
522.54	17.837	311.07
522.64	17.834	311.04
522.74	17.831	311.02
522.84	17.829	310.99
522.94	17.826	310.96
523.	17.825	310.94
523.01	17.824	
523.02		310.93
523.05	17.823	310.92
523.14	17.821	310.9
523.24	17.818	310.87
523.34	17.816	310.84
523.44	17.813	310.81
523.54	17.811	310.78
523.64	17.808	310.75
523.74	17.806	310.72
523.84	17.803	310.69
523.94	17.8	310.66
524.	17.799	310.64
524.01		
524.02	17.798	
524.05		310.63
524.14	17.795	310.6
524.24	17.793	310.57
524.34	17.79	310.54
524.44	17.788	310.51
524.54	17.785	310.48

524.64	17.783	310.45
524.74	17.78	310.42
524.84	17.778	310.39
524.94	17.775	310.36
525.	17.774	310.34
525.01		
525.02	17.773	
525.05		310.33
525.14	17.77	310.3
525.24	17.768	310.27
525.34	17.765	310.24
525.44	17.763	310.21
525.54	17.76	310.18
525.64	17.758	310.15
525.74	17.755	310.12
525.84	17.753	310.09
525.94	17.751	310.06
526.	17.749	310.05
526.01		310.04
526.02		
526.05	17.748	310.03
526.14	17.746	310.
526.24	17.743	309.97
526.34	17.741	309.94
526.44	17.738	309.91
526.54	17.736	309.88
526.64	17.734	309.85
526.74	17.731	309.82
526.84	17.729	309.79
526.94	17.726	309.76
527.	17.725	309.75
527.01		309.74
527.02	17.724	
527.05		309.73
527.14	17.722	309.7
527.24	17.719	309.67
527.34	17.717	309.64
527.44	17.714	309.62
527.54	17.712	309.59
527.64	17.71	309.56
527.74	17.707	309.53
527.84	17.705	309.5
527.94	17.703	309.47
528.	17.701	309.45
528.01		
528.02		309.44
528.05	17.7	
528.14	17.698	309.41
528.24	17.696	309.38
528.34	17.693	309.35
528.44	17.691	309.32
528.54	17.689	309.29
528.64	17.686	309.26
528.74	17.684	309.23
528.84	17.682	309.21
528.94	17.679	309.18
529.	17.678	309.16
529.01		
529.02	17.677	309.15
529.05		309.14
529.14	17.675	309.12
529.24	17.672	309.09
529.34	17.67	309.06
529.44	17.668	309.03
529.54	17.666	309.
529.64	17.663	308.97

529.74	17.661	308.94
529.84	17.659	308.91
529.94	17.657	308.88
530.	17.655	308.86
530.01		
530.02		308.85
530.05	17.654	
530.14	17.652	308.82
530.24	17.65	308.79
530.34	17.648	308.76
530.44	17.645	308.73
530.54	17.643	308.7
530.64	17.641	308.67
530.74	17.639	308.64
530.84	17.636	308.61
530.94	17.634	308.58
531.	17.633	308.56
531.01		
531.02		
531.05	17.632	308.55
531.14	17.63	308.52
531.24	17.628	308.49
531.34	17.625	308.46
531.44	17.623	308.43
531.54	17.621	308.4
531.64	17.619	308.37
531.74	17.617	308.34
531.84	17.615	308.31
531.94	17.612	308.28
532.	17.611	308.26
532.01		
532.02		
532.05	17.61	308.25
532.14	17.608	308.22
532.24	17.606	308.19
532.34	17.604	308.16
532.44	17.602	308.13
532.54	17.6	308.1
532.64	17.598	308.07
532.74	17.595	308.05
532.84	17.593	308.02
532.94	17.591	307.99
533.	17.59	307.97
533.01		
533.02		307.96
533.05	17.589	307.95
533.14	17.587	307.93
533.24	17.585	307.9
533.34	17.583	307.87
533.44	17.581	307.84
533.54	17.579	307.81
533.64	17.577	307.78
533.74	17.574	307.75
533.84	17.572	307.72
533.94	17.57	307.69
534.	17.569	307.68
534.01		307.67
534.02		
534.05	17.568	307.66
534.14	17.566	307.63
534.24	17.564	307.6
534.34	17.562	307.58
534.44	17.56	307.55
534.54	17.558	307.52
534.64	17.556	307.49
534.74	17.554	307.46

534.84	17.552	307.43
534.94	17.55	307.4
535.	17.549	307.38
535.01		
535.02	17.548	
535.05		307.37
535.14	17.546	307.34
535.24	17.544	307.31
535.34	17.542	307.28
535.44	17.54	307.25
535.54	17.538	307.22
535.64	17.536	307.2
535.74	17.534	307.17
535.84	17.532	307.14
535.94	17.53	307.11
536.	17.529	307.09
536.01		
536.02		307.08
536.05	17.528	307.07
536.14	17.526	307.05
536.24	17.524	307.02
536.34	17.522	306.99
536.44	17.52	306.96
536.54	17.518	306.93
536.64	17.517	306.9
536.74	17.515	306.87
536.84	17.513	306.84
536.94	17.511	306.81
537.	17.51	306.8
537.01	17.509	306.79
537.02		
537.05		306.78
537.14	17.507	306.75
537.24	17.505	306.72
537.34	17.503	306.69
537.44	17.501	306.67
537.54	17.499	306.64
537.64	17.497	306.61
537.74	17.496	306.58
537.84	17.494	306.55
537.94	17.492	306.52
538.	17.491	306.5
538.01	17.49	
538.02		306.49
538.05		
538.14	17.488	306.46
538.24	17.486	306.43
538.34	17.484	306.4
538.44	17.483	306.37
538.54	17.481	306.34
538.64	17.479	306.31
538.74	17.477	306.28
538.84	17.475	306.25
538.94	17.473	306.22
539.	17.472	306.21
539.01		306.2
539.02		
539.05	17.471	306.19
539.14	17.47	306.16
539.24	17.468	306.14
539.34	17.466	306.11
539.44	17.464	306.08
539.54	17.462	306.05
539.64	17.461	306.02
539.74	17.459	305.99
539.84	17.457	305.96

539.94	17.455	305.93
540.	17.454	305.91
540.01		
540.02		
540.05	17.453	305.9
540.14	17.452	305.87
540.24	17.45	305.84
540.34	17.448	305.81
540.44	17.447	305.78
540.54	17.445	305.75
540.64	17.443	305.72
540.74	17.441	305.69
540.84	17.44	305.66
540.94	17.438	305.63
541.	17.437	305.62
541.01		305.61
541.02	17.436	
541.05		305.6
541.14	17.434	305.58
541.24	17.433	305.55
541.34	17.431	305.52
541.44	17.429	305.49
541.54	17.427	305.46
541.64	17.426	305.43
541.74	17.424	305.4
541.84	17.422	305.37
541.94	17.421	305.34
542.	17.42	305.32
542.01		
542.02	17.419	305.31
542.05		
542.14	17.417	305.28
542.24	17.416	305.25
542.34	17.414	305.22
542.44	17.412	305.19
542.54	17.411	305.16
542.64	17.409	305.13
542.74	17.407	305.1
542.84	17.406	305.07
542.94	17.404	305.04
543.	17.403	305.02
543.01		
543.02		305.01
543.05	17.402	
543.14	17.401	304.98
543.24	17.399	304.95
543.34	17.398	304.92
543.44	17.396	304.89
543.54	17.394	304.86
543.64	17.393	304.83
543.74	17.391	304.8
543.84	17.389	304.77
543.94	17.388	304.74
544.	17.387	304.72
544.01		
544.02		
544.05	17.386	304.71
544.14	17.385	304.68
544.24	17.383	304.65
544.34	17.382	304.62
544.44	17.38	304.59
544.54	17.378	304.56
544.64	17.377	304.53
544.74	17.375	304.5
544.84	17.374	304.47
544.94	17.372	304.44

545.	17.371	304.42
545.01		
545.02		
545.05	17.37	304.41
545.14	17.369	304.38
545.24	17.367	304.35
545.34	17.366	304.32
545.44	17.364	304.29
545.54	17.363	304.26
545.64	17.361	304.23
545.74	17.36	304.21
545.84	17.358	304.18
545.94	17.357	304.15
546.	17.356	304.13
546.01		
546.02		304.12
546.05	17.355	
546.14	17.354	304.09
546.24	17.352	304.06
546.34	17.351	304.03
546.44	17.349	304.
546.54	17.348	303.97
546.64	17.346	303.94
546.74	17.345	303.91
546.84	17.343	303.88
546.94	17.342	303.85
547.	17.341	303.83
547.01		
547.02		
547.05	17.34	303.82
547.14	17.339	303.79
547.24	17.338	303.76
547.34	17.336	303.73
547.44	17.335	303.7
547.54	17.333	303.67
547.64	17.332	303.64
547.74	17.33	303.61
547.84	17.329	303.58
547.94	17.327	303.55
548.		303.54
548.01	17.326	303.53
548.02		
548.05		303.52
548.14	17.325	303.5
548.24	17.323	303.47
548.34	17.322	303.44
548.44	17.32	303.41
548.54	17.319	303.38
548.64	17.318	303.35
548.74	17.316	303.32
548.84	17.315	303.29
548.94	17.313	303.26
549.		303.24
549.01	17.312	
549.02		
549.05		303.23
549.14	17.311	303.2
549.24	17.309	303.17
549.34	17.308	303.14
549.44	17.306	303.11
549.54	17.305	303.08
549.64	17.304	303.05
549.74	17.302	303.02
549.84	17.301	302.99
549.94	17.3	302.96
550.	17.299	302.94

550.5	17.292	302.79
551.	17.286	302.64
552.5	17.267	302.2
557.	17.219	300.88
562.	17.175	299.43
567.	17.139	297.99
572.	17.112	296.57
577.	17.093	295.15
582.	17.082	293.75
587.	17.078	292.37
592.	17.081	290.99
597.	17.09	289.63
600.	17.098	288.82
606.	17.123	287.22
612.	17.155	285.63
630.	17.308	281.05
684.	18.046	268.42
738.	18.91	256.93
798.	19.905	245.14
858.	20.865	234.28
918.	21.754	224.27
978.		214.93
1038.		206.24
1098.		198.1
1158.		190.46
1200.		185.35
1212.		183.92
1224.		182.5
1260.		178.37
1296.		174.39
1404.		163.6
1512.		153.78
1632.		143.92
1752.		136.36
1872.	22.25	133.87
1992.		131.25
2112.		129.39
2232.		128.28
2352.		126.82
2400.		126.14
2412.		125.97
2424.		125.8
2460.		125.31
2568.		123.58
2676.		121.73
2796.		119.57
2916.		117.33
3036.		115.03
3156.	22.167	112.71
3276.	22.09	110.37
3396.	22.022	108.14
3516.	21.961	105.96
3600.	21.923	104.47
3612.	21.917	104.26
3624.	21.911	104.05
3660.	21.894	103.43
3768.	21.855	101.57
3876.	21.818	99.728
3996.	21.783	97.717
4116.	21.751	95.737
4236.	21.724	93.789
4356.	21.7	91.874
4476.	21.68	89.989
4596.	21.662	88.144
4716.	21.647	86.329
4800.	21.638	85.077

4812.	21.637	84.899
4824.	21.635	84.721
4860.	21.631	84.189
4968.	21.623	82.627
5076.	21.615	81.093
5196.	21.608	79.43
5316.	21.602	77.803
5436.	21.598	76.213
5556.	21.595	74.662
5676.	21.594	73.15
5796.	21.593	71.674
5916.		70.235
6000.		69.245
6012.		69.104
6024.		68.964
6060.		68.545
6168.	21.595	67.321
6276.	21.597	66.125
6396.	21.599	64.83
6516.	21.603	63.569
6636.	21.606	62.344
6756.	21.61	61.152
6876.	21.614	59.992
6996.	21.619	58.863
7116.	21.624	57.765
7200.	21.627	57.012

FIGURE 20
Model (K4) > Transient Thermal (K5) > Solution (K6) > Drum Content T

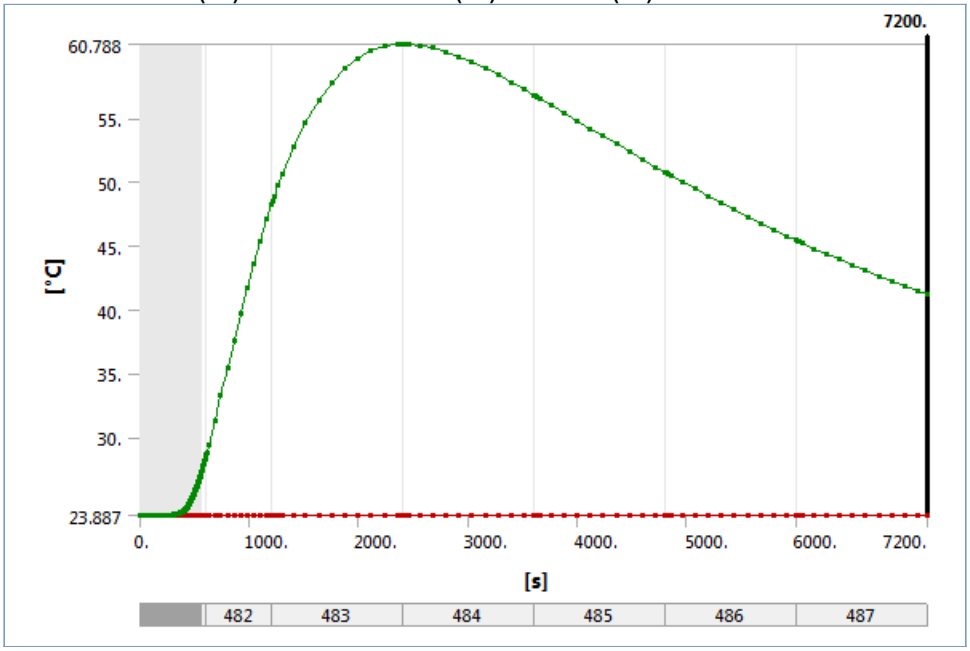

TABLE 28
Model (K4) > Transient Thermal (K5) > Solution (K6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		

1.68
1.88
2.
2.02
2.04
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4.02
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5.08
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6.02
6.04
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7.08
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8.02
8.04
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9.88
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10.02
10.04
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11.08
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12.
12.02
12.04
12.1
12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68
13.88
14.
14.02
14.04
14.1
14.22
14.329
14.438
14.638
14.838
15.038
15.238
15.438
15.638
15.838
16.
16.02
16.04
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16.28
16.48
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28.02
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30.02
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31.08
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32.02
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36.02
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37.08
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38.02
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40.02
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41.08
41.28
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41.88
42.

42.04
42.1
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53.08
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54.02
54.04
54.1
54.22
54.42
54.606
54.792
54.992
55.192
55.392
55.592
55.792
55.896
56.
56.02
56.04
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60.02
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61.08
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61.861
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62.02

62.1			
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63.08	23.89		
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70.439	
70.632	
70.826	
71.026	
71.226	
71.426	
71.626	
71.826	
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72.02	
72.04	
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73.08	
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73.48	
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73.848	
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76.02
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76.22
76.42
76.596
76.773
76.973
77.173
77.373
77.573
77.773
77.886
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78.02
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96.42		
96.604		
96.788		
96.988		
97.188		
97.388		
97.588		
97.788		
97.894		
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108.42	
108.61	
108.79	
108.99	
109.19	
109.39	
109.59	
109.79	
109.9	23.893
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131.01
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131.41
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132.02
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136.88	23.895
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169.44	23.899
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384.94	

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406.02		
406.05		

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411.64	24.334
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424.84		24.468

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427.44	24.498
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427.74	24.501
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427.94	24.503
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429.94	24.527

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435.44	24.595
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454.94		24.874
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455.14		24.877

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455.64	24.885
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459.94	24.955
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460.24	24.96

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461.05	
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475.	25.221
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480.64	25.329

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495.74	25.639

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526.05	

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532.14	26.502
532.24	26.505
532.34	26.508
532.44	26.51
532.54	26.513
532.64	26.515
532.74	26.518
532.84	26.52
532.94	26.523
533.	26.525
533.01	
533.02	
533.05	26.526
533.14	26.528
533.24	26.531
533.34	26.533
533.44	26.536
533.54	26.539
533.64	26.541
533.74	26.544
533.84	26.546
533.94	26.549
534.	26.55
534.01	26.551
534.02	
534.05	26.552
534.14	26.554
534.24	26.557
534.34	26.559
534.44	26.562
534.54	26.565
534.64	26.567
534.74	26.57
534.84	26.572
534.94	26.575
535.	26.577
535.01	
535.02	
535.05	26.578

	23.888	
535.14		26.58
535.24		26.583
535.34		26.585
535.44		26.588
535.54		26.591
535.64		26.593
535.74		26.596
535.84		26.598
535.94		26.601
536.		
536.01		26.603
536.02		
536.05		26.604
536.14		26.606
536.24		26.609
536.34		26.612
536.44		26.614
536.54		26.617
536.64		26.619
536.74		26.622
536.84		26.625
536.94		26.627
537.		
537.01		26.629
537.02		
537.05		26.63
537.14		26.633
537.24		26.635
537.34		26.638
537.44		26.64
537.54		26.643
537.64		26.646
537.74		26.648
537.84		26.651
537.94		26.654
538.		26.655
538.01		
538.02		26.656
538.05		26.657
538.14		26.659
538.24		26.662
538.34		26.664
538.44		26.667
538.54		26.669
538.64		26.672
538.74		26.675
538.84		26.677
538.94		26.68
539.		
539.01		26.682
539.02		
539.05		26.683
539.14		26.685
539.24		26.688
539.34		26.691
539.44		26.693
539.54		26.696
539.64		26.699
539.74		26.701
539.84		26.704
539.94		26.707
540.		26.708
540.01		
540.02		26.709
540.05		

540.14	26.712
540.24	26.715
540.34	26.717
540.44	26.72
540.54	26.723
540.64	26.725
540.74	26.728
540.84	26.731
540.94	26.733
541.	26.735
541.01	
541.02	
541.05	26.736
541.14	26.739
541.24	26.741
541.34	26.744
541.44	26.747
541.54	26.749
541.64	26.752
541.74	26.755
541.84	26.757
541.94	26.76
542.	26.762
542.01	
542.02	
542.05	26.763
542.14	26.765
542.24	26.768
542.34	26.771
542.44	26.773
542.54	26.776
542.64	26.779
542.74	26.781
542.84	26.784
542.94	26.787
543.	26.788
543.01	26.789
543.02	
543.05	26.79
543.14	26.792
543.24	26.795
543.34	26.797
543.44	26.8
543.54	26.803
543.64	26.806
543.74	26.808
543.84	26.811
543.94	26.814
544.	26.815
544.01	26.816
544.02	
544.05	26.817
544.14	26.819
544.24	26.822
544.34	26.824
544.44	26.827
544.54	26.83
544.64	26.833
544.74	26.835
544.84	26.838
544.94	26.841
545.	26.842
545.01	26.843
545.02	
545.05	26.844
545.14	26.846

545.24	26.849
545.34	26.851
545.44	26.854
545.54	26.857
545.64	26.86
545.74	26.862
545.84	26.865
545.94	26.868
546.	26.869
546.01	26.87
546.02	
546.05	26.871
546.14	26.873
546.24	26.876
546.34	26.879
546.44	26.881
546.54	26.884
546.64	26.887
546.74	26.89
546.84	26.892
546.94	26.895
547.	26.897
547.01	
547.02	
547.05	26.898
547.14	26.9
547.24	26.903
547.34	26.906
547.44	26.909
547.54	26.911
547.64	26.914
547.74	26.917
547.84	26.92
547.94	26.922
548.	26.924
548.01	
548.02	
548.05	26.925
548.14	26.928
548.24	26.93
548.34	26.933
548.44	26.936
548.54	26.939
548.64	26.941
548.74	26.944
548.84	26.947
548.94	26.95
549.	26.951
549.01	26.952
549.02	
549.05	26.953
549.14	26.955
549.24	26.958
549.34	26.961
549.44	26.963
549.54	26.966
549.64	26.969
549.74	26.972
549.84	26.974
549.94	26.977
550.	26.979
550.5	26.993
551.	27.006
552.5	27.048
557.	27.171
562.	27.31

567.	23.887	27.45
572.		27.594
577.		27.739
582.		27.886
587.		28.036
592.		28.187
597.		28.34
600.		28.434
606.		28.62
612.		28.809
630.		29.363

684.	23.888	31.297
738.		33.266
798.		35.457
858.		37.61
918.		39.699
978.		41.703
1038.	23.889	43.608
1098.	23.89	45.406
1158.		47.09
1200.		48.207
1212.		48.514
1224.		48.818
1260.		49.71
1296.		50.56
1404.		52.798
1512.		54.686
1632.		56.41
1752.		57.791
1872.		58.872
1992.		59.692
2112.		60.28
2232.		60.609
2352.		60.752
2400.		60.771
2412.		60.775
2424.		60.778
2460.		60.788
2568.		60.683
2676.		60.484
2796.		60.176
2916.		59.794
3036.		59.355
3156.		58.871
3276.		58.35
3396.		57.798
3516.		57.224
3600.		56.807
3612.		56.749
3624.		56.69
3660.		56.522
3768.		55.975
3876.		55.423
3996.	23.891	54.81
4116.		54.195
4236.		53.582
4356.		52.973
4476.		52.368
4596.	23.892	51.77
4716.		51.179
4800.		50.766
4812.		50.708
4824.		50.649
4860.		50.482
4968.	23.893	49.964
5076.		49.454
5196.		48.9
5316.	23.894	48.355
5436.	23.895	47.82
5556.		47.295
5676.	23.896	46.78
5796.	23.897	46.277
5916.	23.898	45.784
6000.		45.443
6012.	23.899	45.394
6024.		45.346

6060.		45.207
6168.	23.9	44.783
6276.	23.901	44.368
6396.	23.902	43.917
6516.	23.903	43.477
6636.	23.904	43.043
6756.	23.906	42.629
6876.	23.907	42.218
6996.	23.908	41.816
7116.	23.91	41.424
7200.	23.911	41.153

FIGURE 21
Model (K4) > Transient Thermal (K5) > Solution (K6) > Drum T

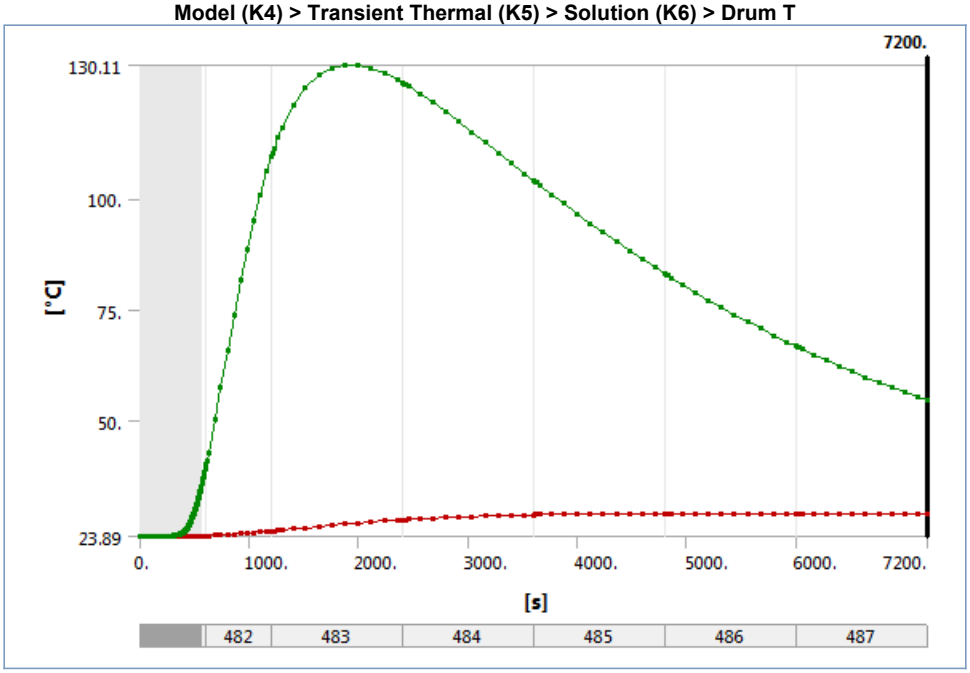

TABLE 29
Model (K4) > Transient Thermal (K5) > Solution (K6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		

4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		

14.04
14.1
14.22
14.329
14.438
14.638
14.838
15.038
15.238
15.438
15.638
15.838
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68
23.88
24.

24.04
24.1
24.28
24.48
24.68
24.88
25.08
25.28
25.48
25.68
25.88
26.
26.02
26.04
26.1
26.28
26.48
26.68
26.88
27.08
27.28
27.48
27.68
27.88
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.28
30.48
30.68
30.88
31.08
31.28
31.48
31.68
31.88
32.
32.02
32.04
32.1
32.28
32.48
32.68
32.88
33.08
33.28
33.48
33.68
33.88
34.
34.02

34.1
34.28
34.48
34.68
34.88
35.08
35.28
35.48
35.68
35.88
36.
36.02
36.04
36.1
36.28
36.48
36.68
36.88
37.08
37.28
37.48
37.68
37.88
38.
38.02
38.04
38.1
38.28
38.48
38.68
38.88
39.08
39.28
39.48
39.68
39.88
40.
40.02
40.04
40.1
40.28
40.48
40.68
40.88
41.08
41.28
41.48
41.68
41.88
42.
42.02
42.04
42.1
42.28
42.48
42.68
42.88
43.08
43.28
43.48
43.68
43.88
44.
44.02
44.04

44.28			
44.48			
44.68			
44.88			
45.08			
45.28			
45.48			
45.68			
45.88			
46.			
46.02			
46.04			
46.1			
46.28			
46.48			
46.68	23.89		
46.88			
47.08			
47.28			
47.48			
47.68			
47.88			
48.			
48.02			
48.04			
48.1			
48.28			
48.48			
48.68			
48.88			
49.08			

	23.89
49.28	
49.48	
49.68	
49.88	
50.	
50.02	
50.04	
50.1	
50.28	
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	
51.88	
52.	
52.02	
52.04	
52.1	
52.28	
52.48	
52.68	
52.88	
53.08	
53.28	
53.48	
53.68	
53.88	
54.	
54.02	
54.04	23.891
54.1	
54.22	
54.42	
54.606	
54.792	
54.992	
55.192	
55.392	
55.592	
55.792	
55.896	
56.	
56.02	
56.04	
56.1	
56.28	
56.48	
56.68	
56.88	
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
58.1	
58.28	
58.48	
58.68	
58.88	

59.08
59.28
59.48
59.68
59.88
60.
60.02
60.04
60.1
60.28
60.48
60.68
60.88
61.08
61.28
61.48
61.68
61.861
62.
62.02
62.04
62.1
62.28
62.48
62.68
62.88
63.08
63.28
63.48
63.68
63.88
64.
64.02
64.04
64.1
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64.48
64.68
64.88
65.08
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65.48
65.68
65.88
66.
66.02
66.04
66.1
66.28
66.48
66.68
66.88
67.08
67.28
67.48
67.68
67.88
68.
68.02
68.04
68.1
68.28
68.48
68.68
68.88
69.08

69.48	
69.68	
69.88	
70.	
70.02	
70.04	
70.1	
70.239	
70.439	
70.632	
70.826	
71.026	
71.226	
71.426	
71.626	
71.826	
72.	
72.02	
72.04	
72.1	
72.28	
72.48	
72.68	
72.88	23.892
73.08	
73.28	
73.48	
73.68	
73.848	
74.	
74.02	
74.04	
74.1	
74.28	
74.48	
74.68	
74.88	
75.08	
75.28	
75.48	
75.68	
75.88	
76.	
76.02	
76.04	
76.1	
76.22	
76.42	
76.596	
76.773	
76.973	
77.173	
77.373	
77.573	
77.773	
77.886	
78.	
78.02	
78.04	
78.1	
78.28	
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78.68	
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79.08	

79.28	
79.48	
79.68	
79.845	
80.	
80.02	
80.04	
80.1	
80.28	
80.48	
80.68	
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81.08	
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81.48	
81.68	
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82.	
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82.68	
82.88	
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83.28	
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84.	
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84.04	
84.1	
84.28	
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86.1	
86.28	
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86.68	
86.88	
87.08	23.894
87.28	
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87.88	
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88.04	
88.1	
88.28	
88.48	
88.68	
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89.28	

89.48	
89.68	
89.88	
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92.1	
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92.68	
92.88	
93.08	
93.28	
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93.88	
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94.68	
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98.02	
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99.08	
99.28	

99.48	
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100.	
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100.04	
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100.28	
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101.28	
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101.88	
102.	
102.02	
102.04	
102.1	
102.28	
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104.	
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104.04	
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121.88	
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122.02	
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122.48	
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123.08	
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126.02	
126.04	
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126.28	
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126.88	
127.08	23.902
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127.68	
127.88	
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128.68	
128.88	
129.08	
129.28	
129.48	

129.68	
129.88	
130.	
130.02	
130.04	
130.1	
130.22	
130.42	
130.62	
130.81	
131.01	23.903
131.21	
131.41	
131.61	
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369.84	24.427

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372.05		
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373.24		24.466
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373.44		24.468
373.54		24.47
373.64		24.471
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373.84		24.473
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374.05		
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374.74		24.485
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374.94		24.487

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376.94		24.513
377.		
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377.05		
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378.34		24.532
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386.84		24.662
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390.02		

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392.02		
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393.94		24.792
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394.24		24.798
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395.05		

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407.54		25.102
407.64		25.104
407.74		25.107
407.84		25.109
407.94		25.112
408.		25.113
408.01		25.114
408.02		
408.05	23.905	25.115
408.14		25.117
408.24		25.12
408.34		25.122
408.44		25.125
408.54		25.128
408.64		25.13
408.74		25.133
408.84		25.136
408.94		25.138
409.		25.14
409.01		
409.02		
409.05		25.141
409.14		25.143
409.24		25.146
409.34		25.149
409.44		25.151
409.54		25.154
409.64		25.157
409.74		25.16
409.84		25.162
409.94		25.165
410.		25.167
410.01		
410.02		
410.05		25.168
410.14		25.17
410.24		25.173
410.34		25.176

410.44		25.178
410.54		25.181
410.64		25.184
410.74		25.187
410.84		25.189
410.94		25.192
411.		25.194
411.01		
411.02		
411.05		25.195
411.14		25.198
411.24		25.2
411.34		25.203
411.44		25.206
411.54		25.209
411.64		25.211
411.74		25.214
411.84	23.906	25.217
411.94		25.22
412.		25.222
412.01		
412.02		
412.05		25.223
412.14		25.225
412.24		25.228
412.34		25.231
412.44		25.234
412.54		25.237
412.64		25.24
412.74		25.242
412.84		25.245
412.94		25.248
413.		25.25
413.01		
413.02		
413.05		25.251
413.14		25.254
413.24		25.257
413.34		25.259
413.44		25.262
413.54		25.265
413.64		25.268
413.74		25.271
413.84		25.274
413.94		25.277
414.		25.278
414.01		25.279
414.02		
414.05		25.28
414.14		25.282
414.24	23.907	25.285
414.34		25.288
414.44		25.291
414.54		25.294
414.64		25.297
414.74		25.3
414.84		25.303
414.94		25.306
415.		25.308
415.01		
415.02		
415.05		25.309
415.14		25.312
415.24		25.315
415.34		25.318
415.44		25.321

415.54		25.324
415.64		25.327
415.74		25.329
415.84		25.332
415.94		25.335
416.		25.337
416.01		25.338
416.02		
416.05		25.339
416.14		25.341
416.24		25.344
416.34		25.347
416.44		25.35
416.54		25.353
416.64		25.356
416.74		25.359
416.84		25.363
416.94		25.366
417.		25.367
417.01		25.368
417.02		
417.05		25.369
417.14		25.372
417.24		25.375
417.34	23.908	25.378
417.44		25.381
417.54		25.384
417.64		25.387
417.74		25.39
417.84		25.393
417.94		25.396
418.		25.398
418.01		
418.02		25.399
418.05		25.4
418.14		25.402
418.24		25.405
418.34		25.409
418.44		25.412
418.54		25.415
418.64		25.418
418.74		25.421
418.84		25.424
418.94		25.427
419.		25.429
419.01		
419.02		25.43
419.05		25.431
419.14		25.434
419.24		25.437
419.34		25.44
419.44		25.443
419.54		25.446
419.64		25.449
419.74	23.909	25.453
419.84		25.456
419.94		25.459
420.		25.461
420.01		
420.02		
420.05		25.462
420.14		25.465
420.24		25.468
420.34		25.472
420.44		25.475
420.54		25.478

420.64		25.481
420.74		25.485
420.84		25.488
420.94		25.491
421.		25.493
421.01		
421.02		25.494
421.05		25.495
421.14		25.497
421.24		25.501
421.34		25.504
421.44		25.507
421.54		25.511
421.64		25.514
421.74		25.517
421.84		25.52
421.94		25.524
422.		25.526
422.01		
422.02		
422.05		25.527
422.14		25.53
422.24		25.534
422.34		25.537
422.44		25.54
422.54		25.543
422.64		25.547
422.74		25.55
422.84		25.553
422.94		25.557
423.	23.91	25.559
423.01		
423.02		
423.05		25.56
423.14		25.563
423.24		25.567
423.34		25.57
423.44		25.573
423.54		25.577
423.64		25.58
423.74		25.584
423.84		25.587
423.94		25.59
424.		25.592
424.01		25.593
424.02		
424.05		25.594
424.14		25.597
424.24		25.601
424.34		25.604
424.44		25.607
424.54		25.611
424.64		25.614
424.74		25.618
424.84		25.621
424.94		25.625
425.		25.627
425.01	23.911	
425.02		
425.05		25.628
425.14		25.631
425.24		25.635
425.34		25.638
425.44		25.642
425.54		25.645
425.64		25.649

425.74		25.652
425.84		25.656
425.94		25.659
426.		25.661
426.01		25.662
426.02		
426.05		25.663
426.14		25.666
426.24		25.67
426.34		25.673
426.44		25.677
426.54		25.68
426.64		25.684
426.74		25.687
426.84		25.691
426.94		25.694
427.		25.696
427.01		25.697
427.02		
427.05		25.698
427.14		25.701
427.24		25.705
427.34		25.709
427.44		25.712
427.54		25.716
427.64		25.719
427.74		25.723
427.84		25.726
427.94		25.73
428.		25.732
428.01		25.733
428.02	23.912	
428.05		25.734
428.14		25.737
428.24		25.741
428.34		25.744
428.44		25.748
428.54		25.752
428.64		25.755
428.74		25.759
428.84		25.763
428.94		25.766
429.		25.768
429.01		25.769
429.02		
429.05		25.77
429.14		25.774
429.24		25.777
429.34		25.781
429.44		25.785
429.54		25.788
429.64		25.792
429.74		25.796
429.84		25.799
429.94		25.803
430.		25.805
430.01		25.806
430.02	23.913	
430.05		25.807
430.14		25.81
430.24		25.814
430.34		25.818
430.44		25.822
430.54		25.825
430.64		25.829
430.74		25.833

430.84		25.837
430.94		25.84
431.		25.843
431.01		
431.02		
431.05		25.844
431.14		25.848
431.24		25.852
431.34		25.855
431.44		25.859
431.54		25.863
431.64		25.867
431.74		25.87
431.84	23.914	25.874
431.94		25.878
432.		25.88
432.01		25.881
432.02		
432.05		25.882
432.14		25.886
432.24		25.89
432.34		25.893
432.44		25.897
432.54		25.901
432.64		25.905
432.74		25.909
432.84		25.913
432.94		25.916
433.		25.919
433.01		
433.02		25.92
433.05		25.921
433.14		25.924
433.24		25.928
433.34		25.932
433.44		25.936
433.54		25.94
433.64		25.944
433.74		25.947
433.84		25.951
433.94		25.955
434.		25.958
434.01		
434.02		
434.05		25.96
434.14	23.915	25.963
434.24		25.967
434.34		25.971
434.44		25.975
434.54		25.979
434.64		25.983
434.74		25.987
434.84		25.991
434.94		25.995
435.		25.997
435.01		
435.02		25.998
435.05		25.999
435.14		26.003
435.24		26.007
435.34		26.011
435.44		26.015
435.54		26.019
435.64		26.023
435.74		26.027
435.84		26.031

435.94		26.035
436.		26.037
436.01		
436.02		26.038
436.05		26.039
436.14		26.043
436.24		26.047
436.34		26.051
436.44	23.916	26.055
436.54		26.059
436.64		26.063
436.74		26.067
436.84		26.071
436.94		26.075
437.		26.078
437.01		
437.02		
437.05		26.08
437.14		26.083
437.24		26.087
437.34		26.091
437.44		26.096
437.54		26.1
437.64		26.104
437.74		26.108
437.84		26.112
437.94		26.116
438.		26.119
438.01		
438.02		
438.05		26.121
438.14		26.124
438.24		26.129
438.34		26.133
438.44		26.137
438.54		26.141
438.64	23.917	26.145
438.74		26.149
438.84		26.153
438.94		26.158
439.		26.16
439.01		26.161
439.02		
439.05		26.162
439.14		26.166
439.24		26.17
439.34		26.174
439.44		26.179
439.54		26.183
439.64		26.187
439.74		26.191
439.84		26.196
439.94		26.2
440.		26.202
440.01		26.203
440.02		
440.05		26.204
440.14		26.208
440.24		26.213
440.34		26.217
440.44		26.221
440.54		26.225
440.64		26.23
440.74		26.234
440.84		26.238
440.94		26.242

441.	23.918	26.245
441.01		
441.02		26.246
441.05		26.247
441.14		26.251
441.24		26.255
441.34		26.26
441.44		26.264
441.54		26.268
441.64		26.273
441.74		26.277
441.84		26.281
441.94		26.286
442.		26.288
442.01		26.289
442.02		
442.05		26.29
442.14		26.294
442.24		26.299
442.34		26.303
442.44		26.307
442.54		26.312
442.64		26.316
442.74		26.321
442.84		26.325
442.94		26.329
443.	23.919	26.332
443.01		
443.02		26.333
443.05		26.334
443.14		26.338
443.24		26.343
443.34		26.347
443.44		26.351
443.54		26.356
443.64		26.36
443.74		26.365
443.84		26.369
443.94		26.374
444.		26.376
444.01		26.377
444.02		
444.05		26.379
444.14		26.383
444.24		26.387
444.34		26.392
444.44		26.396
444.54		26.4
444.64		26.405
444.74		26.409
444.84		26.414
444.94		26.418
445.		26.421
445.01		26.422
445.02		
445.05		26.423
445.14		26.427
445.24		26.432
445.34		26.437
445.44		26.441
445.54		26.446
445.64		26.45
445.74		26.455
445.84		26.459
445.94		26.464
446.		

446.01	23.92	26.467
446.02		
446.05		26.469
446.14		26.473
446.24		26.478
446.34		26.482
446.44		26.487
446.54		26.491
446.64		26.496
446.74		26.501
446.84		26.505
446.94		26.51
447.		26.513
447.01		
447.02		
447.05		26.515
447.14	23.921	26.519
447.24		26.524
447.34		26.528
447.44		26.533
447.54		26.538
447.64		26.542
447.74		26.547
447.84		26.552
447.94		26.556
448.		26.559
448.01		26.56
448.02		
448.05		26.561
448.14		26.566
448.24		26.57
448.34		26.575
448.44		26.58
448.54		26.584
448.64		26.589
448.74		26.594
448.84		26.599
448.94		26.603
449.		26.606
449.01		26.607
449.02		
449.05		26.608
449.14	23.922	26.613
449.24		26.617
449.34		26.622
449.44		26.627
449.54		26.632
449.64		26.636
449.74		26.641
449.84		26.646
449.94		26.651
450.		26.654
450.01		
450.02		26.655
450.05		26.656
450.14		26.66
450.24		26.665
450.34		26.67
450.44		26.675
450.54		26.68
450.64		26.684
450.74		26.689
450.84		26.694
450.94		26.699
451.		26.702
451.01		

451.02		26.703
451.05		26.704
451.14		26.709
451.24		26.713
451.34		26.718
451.44		26.723
451.54		26.728
451.64		26.733
451.74		26.738
451.84		26.743
451.94		26.748
452.		26.751
452.01	23.923	
452.02		26.752
452.05		26.753
452.14		26.757
452.24		26.762
452.34		26.767
452.44		26.772
452.54		26.777
452.64		26.782
452.74		26.787
452.84		26.792
452.94		26.797
453.		26.8
453.01		
453.02		26.801
453.05		26.802
453.14		26.807
453.24		26.812
453.34		26.817
453.44		26.822
453.54		26.827
453.64		26.832
453.74		26.837
453.84		26.842
453.94	23.924	26.847
454.		26.85
454.01		
454.02		26.851
454.05		26.852
454.14		26.857
454.24		26.862
454.34		26.867
454.44		26.872
454.54		26.877
454.64		26.882
454.74		26.887
454.84		26.892
454.94		26.897
455.		26.9
455.01		
455.02		26.901
455.05		26.903
455.14		26.907
455.24		26.912
455.34		26.917
455.44	23.925	26.922
455.54		26.927
455.64		26.932
455.74		26.938
455.84		26.943
455.94		26.948
456.		26.951
456.01		
456.02		26.952

456.05		26.953
456.14		26.958
456.24		26.963
456.34		26.968
456.44		26.973
456.54		26.979
456.64		26.984
456.74		26.989
456.84	23.926	26.994
456.94		26.999
457.		27.002
457.01		27.003
457.02		
457.05		27.005
457.14		27.01
457.24		27.015
457.34		27.02
457.44		27.025
457.54		27.03
457.64		27.036
457.74		27.041
457.84		27.046
457.94		27.051
458.		27.054
458.01		27.055
458.02		
458.05		27.057
458.14		27.062
458.24		27.067
458.34		27.072
458.44		27.077
458.54		27.083
458.64	23.927	27.088
458.74		27.093
458.84		27.098
458.94		27.104
459.		27.107
459.01		
459.02		27.108
459.05		27.109
459.14		27.114
459.24		27.12
459.34		27.125
459.44		27.13
459.54		27.135
459.64		27.141
459.74		27.146
459.84		27.151
459.94		27.157
460.		27.16
460.01		
460.02		27.161
460.05		27.163
460.14		27.167
460.24		27.173
460.34		27.178
460.44		27.183
460.54		27.189
460.64		27.194
460.74		27.2
460.84		27.205
460.94		27.21
461.		27.214
461.01		
461.02		27.215
461.05		27.216

461.14	23.928	27.221
461.24		27.227
461.34		27.232
461.44		27.237
461.54		27.243
461.64		27.248
461.74		27.254
461.84		27.259
461.94		27.264
462.		27.268
462.01		
462.02		27.269
462.05		27.27
462.14		27.275
462.24	23.929	27.281
462.34		27.286
462.44		27.292
462.54		27.297
462.64		27.303
462.74		27.308
462.84		27.314
462.94		27.319
463.		27.322
463.01		27.323
463.02		27.324
463.05		27.325
463.14		27.33
463.24		27.336
463.34		27.341
463.44		27.347
463.54		27.352
463.64		27.358
463.74		27.363
463.84		27.369
463.94		27.374
464.	23.93	27.378
464.01		
464.02		27.379
464.05		27.381
464.14		27.386
464.24		27.391
464.34		27.397
464.44		27.402
464.54		27.408
464.64		27.413
464.74		27.419
464.84		27.425
464.94		27.43
465.		27.434
465.01		
465.02		27.435
465.05		27.436
465.14		27.441
465.24		27.447
465.34		27.453
465.44		27.458
465.54		27.464
465.64		27.47
465.74		27.475
465.84		27.481
465.94		27.487
466.		27.49
466.01		
466.02		27.491
466.05		27.493
466.14		27.498

466.24		27.504
466.34		27.509
466.44		27.515
466.54		27.521
466.64		27.526
466.74		27.532
466.84		27.538
466.94	23.931	27.543
467.		27.547
467.01		
467.02		27.548
467.05		27.55
467.14		27.555
467.24		27.561
467.34		27.566
467.44		27.572
467.54		27.578
467.64		27.584
467.74		27.589
467.84		27.595
467.94		27.601
468.		27.604
468.01		27.605
468.02		
468.05		27.607
468.14		27.612
468.24	23.932	27.618
468.34		27.624
468.44		27.63
468.54		27.636
468.64		27.641
468.74		27.647
468.84		27.653
468.94		27.659
469.		27.662
469.01		27.663
469.02		
469.05		27.665
469.14		27.67
469.24		27.676
469.34		27.682
469.44		27.688
469.54		27.694
469.64		27.7
469.74		27.706
469.84		27.711
469.94		27.717
470.	23.933	27.721
470.01		
470.02		27.722
470.05		27.724
470.14		27.729
470.24		27.735
470.34		27.741
470.44		27.747
470.54		27.753
470.64		27.759
470.74		27.764
470.84		27.77
470.94		27.776
471.		27.78
471.01		
471.02		27.781
471.05		27.783
471.14		27.788
471.24		27.794

471.34	23.934	27.8
471.44		27.806
471.54		27.812
471.64		27.818
471.74		27.824
471.84		27.83
471.94		27.836
472.		27.839
472.01		27.84
472.02		27.841
472.05		27.842
472.14		27.848
472.24		27.854
472.34		27.86
472.44	23.935	27.866
472.54		27.872
472.64		27.878
472.74		27.884
472.84		27.89
472.94		27.896
473.		27.9
473.01		
473.02		27.901
473.05		27.903
473.14		27.908
473.24		27.914
473.34		27.92
473.44		27.926
473.54		27.932
473.64		27.938
473.74		27.944
473.84		27.951
473.94		27.957
474.		27.96
474.01		27.961
474.02		27.962
474.05		27.963
474.14	23.936	27.969
474.24		27.975
474.34		27.981
474.44		27.987
474.54		27.993
474.64		27.999
474.74		28.006
474.84		28.012
474.94		28.018
475.		28.022
475.01		
475.02		28.023
475.05		28.025
475.14		28.03
475.24		28.036
475.34		28.042
475.44		28.049
475.54		28.055
475.64		28.061
475.74		28.067
475.84		28.073
475.94		28.08
476.		28.083
476.01		28.084
476.02		28.085
476.05		28.086
476.14		28.092
476.24		28.098
476.34		28.104

476.44		28.111
476.54		28.117
476.64		28.123
476.74		28.129
476.84		28.136
476.94	23.937	28.142
477.		28.146
477.01		
477.02		28.147
477.05		28.149
477.14		28.154
477.24		28.161
477.34		28.167
477.44		28.173
477.54		28.179
477.64		28.186
477.74		28.192
477.84		28.198
477.94		28.205
478.		28.208
478.01		28.209
478.02	23.938	28.21
478.05		28.212
478.14		28.217
478.24		28.224
478.34		28.23
478.44		28.236
478.54		28.243
478.64		28.249
478.74		28.255
478.84		28.262
478.94		28.268
479.		28.272
479.01		
479.02		28.273
479.05		28.275
479.14		28.281
479.24		28.287
479.34		28.293
479.44		28.3
479.54		28.306
479.64	23.939	28.313
479.74		28.319
479.84		28.325
479.94		28.332
480.		28.336
480.01		
480.02		28.337
480.05		28.339
480.14		28.345
480.24		28.351
480.34		28.358
480.44		28.364
480.54		28.37
480.64		28.377
480.74		28.383
480.84		28.39
480.94		28.396
481.	23.94	28.4
481.01		28.401
481.02		
481.05		28.403
481.14		28.409
481.24		28.416
481.34		28.422
481.44		28.429

481.54		28.435
481.64		28.442
481.74		28.448
481.84		28.455
481.94		28.461
482.		28.465
482.01		28.466
482.02		
482.05		28.468
482.14		28.474
482.24		28.481
482.34		28.487
482.44		28.494
482.54		28.5
482.64		28.507
482.74	23.941	28.514
482.84		28.52
482.94		28.527
483.		28.531
483.01		
483.02		28.532
483.05		28.534
483.14		28.54
483.24		28.546
483.34		28.553
483.44		28.56
483.54		28.566
483.64		28.573
483.74		28.579
483.84		28.586
483.94		28.593
484.		28.597
484.01		
484.02		28.598
484.05		28.6
484.14		28.606
484.24	23.942	28.613
484.34		28.619
484.44		28.626
484.54		28.632
484.64		28.639
484.74		28.646
484.84		28.652
484.94		28.659
485.		28.663
485.01		28.664
485.02		
485.05		28.666
485.14		28.673
485.24		28.679
485.34		28.686
485.44		28.693
485.54		28.699
485.64		28.706
485.74		28.713
485.84	23.943	28.719
485.94		28.726
486.		28.73
486.01		28.731
486.02		28.732
486.05		28.734
486.14		28.74
486.24		28.746
486.34		28.753
486.44		28.76
486.54		28.767

486.64	23.944	28.773
486.74		28.78
486.84		28.787
486.94		28.794
487.		28.798
487.01		28.799
487.02		
487.05		28.801
487.14		28.807
487.24		28.814
487.34		28.821
487.44		28.828
487.54		28.835
487.64		28.841
487.74		28.848
487.84		28.855
487.94		28.862
488.		28.866
488.01		28.867
488.02		
488.05	23.945	28.869
488.14		28.876
488.24		28.882
488.34		28.889
488.44		28.896
488.54		28.903
488.64		28.91
488.74		28.917
488.84		28.924
488.94		28.93
489.		28.935
489.01		
489.02		28.936
489.05		28.938
489.14		28.944
489.24		28.951
489.34		28.958
489.44		28.965
489.54	23.946	28.972
489.64		28.979
489.74		28.986
489.84		28.993
489.94		29.
490.		29.004
490.01		
490.02		29.005
490.05		29.007
490.14		29.014
490.24		29.02
490.34		29.027
490.44		29.034
490.54		29.041
490.64		29.048
490.74		29.055
490.84		29.062
490.94		29.069
491.		29.073
491.01		29.074
491.02		29.075
491.05		29.077
491.14		29.083
491.24		29.09
491.34		29.097
491.44		29.104
491.54		29.111
491.64		29.118

491.74	23.947	29.125
491.84		29.132
491.94		29.139
492.		29.144
492.01		
492.02		29.145
492.05		29.147
492.14		29.154
492.24		29.161
492.34		29.168
492.44	23.948	29.175
492.54		29.182
492.64		29.189
492.74		29.196
492.84		29.203
492.94		29.21
493.		29.214
493.01		29.215
493.02		29.216
493.05		29.218
493.14		29.224
493.24		29.232
493.34		29.239
493.44		29.246
493.54		29.253
493.64		29.26
493.74		29.267
493.84		29.274
493.94	23.949	29.281
494.		29.286
494.01		
494.02		29.287
494.05		29.289
494.14		29.296
494.24		29.303
494.34		29.31
494.44		29.317
494.54		29.324
494.64		29.332
494.74		29.339
494.84		29.346
494.94		29.353
495.		29.357
495.01		29.358
495.02		29.359
495.05		29.361
495.14		29.368
495.24		29.375
495.34	23.95	29.382
495.44		29.389
495.54		29.396
495.64		29.404
495.74		29.411
495.84		29.418
495.94		29.425
496.		29.43
496.01		29.431
496.02		
496.05		29.433
496.14		29.44
496.24		29.447
496.34		29.454
496.44		29.462
496.54		29.469
496.64		29.476
496.74		29.484

496.84	23.951	29.491
496.94		29.498
497.		29.503
497.01		
497.02		29.504
497.05		29.506
497.14		29.513
497.24		29.52
497.34		29.527
497.44		29.535
497.54		29.542
497.64		29.549
497.74		29.557
497.84		29.564
497.94		29.572
498.		29.576
498.01		29.577
498.02		
498.05		29.58
498.14		29.586
498.24	23.952	29.594
498.34		29.601
498.44		29.608
498.54		29.616
498.64		29.623
498.74		29.631
498.84		29.638
498.94		29.645
499.		29.65
499.01		
499.02		29.651
499.05		29.653
499.14		29.66
499.24		29.668
499.34		29.675
499.44		29.682
499.54		29.69
499.64	23.953	29.697
499.74		29.705
499.84		29.712
499.94		29.72
500.		29.724
500.01		29.725
500.02		29.726
500.05		29.728
500.14		29.735
500.24		29.742
500.34		29.75
500.44		29.757
500.54		29.764
500.64		29.772
500.74		29.779
500.84		29.787
500.94	23.954	29.794
501.		29.799
501.01		29.8
501.02		
501.05		29.803
501.14		29.809
501.24		29.817
501.34		29.825
501.44		29.832
501.54		29.84
501.64		29.847
501.74		29.855
501.84		29.862

501.94		29.87
502.		29.874
502.01		29.875
502.02		29.876
502.05		29.878
502.14		29.885
502.24		29.892
502.34		29.9
502.44		29.908
502.54		29.915
502.64		29.923
502.74		29.93
502.84		29.938
502.94		29.946
503.		29.95
503.01	23.955	29.951
503.02		29.952
503.05		29.954
503.14		29.961
503.24		29.968
503.34		29.976
503.44		29.984
503.54		29.991
503.64		29.999
503.74		30.007
503.84		30.014
503.94		30.022
504.		30.027
504.01		
504.02		30.028
504.05		30.03
504.14		30.037
504.24		30.045
504.34	23.956	30.053
504.44		30.06
504.54		30.068
504.64		30.076
504.74		30.083
504.84		30.091
504.94		30.099
505.		30.103
505.01		30.104
505.02		30.105
505.05		30.107
505.14		30.114
505.24		30.122
505.34		30.13
505.44		30.137
505.54		30.145
505.64		30.153
505.74		30.161
505.84	23.957	30.168
505.94		30.176
506.		30.181
506.01		30.182
506.02		
506.05		30.185
506.14		30.192
506.24		30.199
506.34		30.207
506.44		30.215
506.54		30.223
506.64		30.231
506.74		30.238
506.84		30.246
506.94		30.254

507.		30.259
507.01		30.26
507.02		
507.05		30.263
507.14		30.27
507.24	23.958	30.278
507.34		30.285
507.44		30.293
507.54		30.301
507.64		30.309
507.74		30.317
507.84		30.325
507.94		30.332
508.		30.337
508.01		30.338
508.02		30.339
508.05		30.341
508.14		30.348
508.24		30.356
508.34		30.364
508.44	23.959	30.372
508.54		30.38
508.64		30.388
508.74		30.395
508.84		30.403
508.94		30.411
509.		30.416
509.01		30.417
509.02		30.418
509.05		30.42
509.14		30.427
509.24		30.435
509.34		30.443
509.44		30.451
509.54		30.459
509.64		30.467
509.74		30.475
509.84	23.96	30.483
509.94		30.491
510.		30.495
510.01		30.496
510.02		30.497
510.05		30.499
510.14		30.507
510.24		30.515
510.34		30.522
510.44		30.53
510.54		30.538
510.64		30.546
510.74		30.554
510.84		30.562
510.94		30.57
511.		30.575
511.01		30.576
511.02	23.961	30.577
511.05		30.579
511.14		30.586
511.24		30.594
511.34		30.603
511.44		30.611
511.54		30.619
511.64		30.627
511.74		30.635
511.84		30.643
511.94		30.651
512.		

512.01	23.962	30.656
512.02		30.657
512.05		30.66
512.14		30.667
512.24		30.675
512.34		30.683
512.44		30.691
512.54		30.699
512.64		30.707
512.74		30.715
512.84		30.723
512.94		30.732
513.		30.736
513.01		30.737
513.02		30.738
513.05		30.741
513.14	23.963	30.748
513.24		30.756
513.34		30.764
513.44		30.772
513.54		30.78
513.64		30.788
513.74		30.797
513.84		30.805
513.94		30.813
514.		30.818
514.01		30.819
514.02		
514.05		30.822
514.14		30.829
514.24		30.837
514.34		30.846
514.44	23.964	30.854
514.54		30.862
514.64		30.87
514.74		30.878
514.84		30.887
514.94		30.895
515.		30.9
515.01		
515.02		30.901
515.05		30.904
515.14		30.911
515.24		30.919
515.34		30.928
515.44		30.936
515.54		30.944
515.64		30.952
515.74	23.965	30.961
515.84		30.969
515.94		30.977
516.		30.982
516.01		30.983
516.02		30.984
516.05		30.986
516.14		30.994
516.24		31.002
516.34		31.01
516.44		31.018
516.54		31.027
516.64		31.035
516.74		31.043
516.84		31.051
516.94		31.06
517.		31.065
517.01		

517.02	23.966	31.066
517.05		31.069
517.14		31.076
517.24		31.085
517.34		31.093
517.44		31.101
517.54		31.11
517.64		31.118
517.74		31.126
517.84		31.135
517.94		31.143
518.		31.148
518.01		31.149
518.02		31.15
518.05		31.152
518.14		31.16
518.24	23.967	31.168
518.34		31.176
518.44		31.185
518.54		31.193
518.64		31.202
518.74		31.21
518.84		31.218
518.94		31.227
519.		31.232
519.01		31.233
519.02		
519.05		31.236
519.14		31.244
519.24		31.252
519.34		31.26
519.44		31.269
519.54	23.968	31.277
519.64		31.286
519.74		31.294
519.84		31.303
519.94		31.311
520.		31.316
520.01		31.317
520.02		31.318
520.05		31.32
520.14		31.328
520.24		31.336
520.34		31.345
520.44		31.353
520.54		31.362
520.64		31.37
520.74		31.379
520.84	23.969	31.387
520.94		31.396
521.		31.401
521.01		31.402
521.02		
521.05		31.405
521.14		31.413
521.24		31.421
521.34		31.43
521.44		31.438
521.54		31.447
521.64		31.455
521.74		31.464
521.84		31.472
521.94		31.481
522.		31.486
522.01		31.487
522.02		31.488

522.05	23.97	31.49
522.14		31.498
522.24		31.506
522.34		31.515
522.44		31.524
522.54		31.532
522.64		31.541
522.74		31.549
522.84		31.558
522.94		31.566
523.		31.572
523.01		
523.02		31.573
523.05		31.576
523.14		31.584
523.24		31.592
523.34	23.971	31.601
523.44		31.609
523.54		31.618
523.64		31.627
523.74		31.635
523.84		31.644
523.94		31.653
524.		31.658
524.01		31.659
524.02		
524.05		31.662
524.14		31.67
524.24		31.678
524.34		31.687
524.44		31.696
524.54		31.704
524.64	23.972	31.713
524.74		31.722
524.84		31.73
524.94		31.739
525.		31.744
525.01		31.745
525.02		31.746
525.05		31.749
525.14		31.756
525.24		31.765
525.34		31.774
525.44		31.783
525.54		31.791
525.64		31.8
525.74		31.809
525.84	23.973	31.817
525.94		31.826
526.		31.831
526.01		31.832
526.02		31.833
526.05		31.836
526.14		31.844
526.24		31.852
526.34		31.861
526.44		31.87
526.54		31.879
526.64		31.887
526.74		31.896
526.84		31.905
526.94		31.914
527.		31.919
527.01		31.92
527.02		31.921
527.05		31.923

527.14		31.931
527.24		31.94
527.34		31.949
527.44		31.958
527.54		31.966
527.64		31.975
527.74		31.984
527.84	23.974	31.993
527.94		32.002
528.		32.007
528.01		32.008
528.02		32.009
528.05		32.011
528.14		32.019
528.24		32.028
528.34		32.037
528.44		32.046
528.54		32.055
528.64		32.063
528.74		32.072
528.84		32.081
528.94		32.09
529.	23.975	32.095
529.01		32.096
529.02		32.097
529.05		32.1
529.14		32.108
529.24		32.117
529.34		32.126
529.44		32.134
529.54		32.143
529.64		32.152
529.74		32.161
529.84		32.17
529.94		32.179
530.		32.184
530.01		32.185
530.02	23.976	32.186
530.05		32.189
530.14		32.197
530.24		32.206
530.34		32.215
530.44		32.224
530.54		32.232
530.64		32.241
530.74		32.25
530.84		32.259
530.94		32.268
531.		32.274
531.01		32.275
531.02		
531.05		32.278
531.14	23.977	32.286
531.24		32.295
531.34		32.304
531.44		32.313
531.54		32.322
531.64		32.331
531.74		32.34
531.84		32.349
531.94		32.358
532.		32.364
532.01		
532.02		32.365
532.05		32.368
532.14		32.376

532.24		32.385
532.34		32.394
532.44		32.403
532.54		32.412
532.64		32.421
532.74	23.978	32.43
532.84		32.439
532.94		32.448
533.		32.454
533.01		32.455
533.02		32.456
533.05		32.458
533.14		32.466
533.24		32.476
533.34		32.485
533.44		32.494
533.54		32.503
533.64		32.512
533.74		32.521
533.84	23.979	32.53
533.94		32.539
534.		32.545
534.01		
534.02		32.546
534.05		32.549
534.14		32.557
534.24		32.566
534.34		32.575
534.44		32.585
534.54		32.594
534.64		32.603
534.74		32.612
534.84		32.621
534.94		32.63
535.	23.98	32.636
535.01		32.637
535.02		32.638
535.05		32.64
535.14		32.649
535.24		32.658
535.34		32.667
535.44		32.676
535.54		32.685
535.64		32.694
535.74		32.703
535.84		32.713
535.94		32.722
536.		32.727
536.01		32.728
536.02	23.981	32.729
536.05		32.732
536.14		32.74
536.24		32.749
536.34		32.759
536.44		32.768
536.54		32.777
536.64		32.786
536.74		32.795
536.84		32.805
536.94		32.814
537.		32.819
537.01	23.982	32.82
537.02		32.821
537.05		32.824
537.14		32.832
537.24		32.842

537.34		32.851
537.44		32.86
537.54		32.869
537.64		32.879
537.74		32.888
537.84		32.897
537.94	23.983	32.906
538.		32.912
538.01		32.913
538.02		32.914
538.05		32.917
538.14		32.925
538.24		32.934
538.34		32.944
538.44		32.953
538.54		32.962
538.64		32.971
538.74		32.981
538.84		32.99
538.94		32.999
539.		33.005
539.01		33.006
539.02		33.007
539.05		33.01
539.14	23.984	33.018
539.24		33.027
539.34		33.037
539.44		33.046
539.54		33.055
539.64		33.065
539.74		33.074
539.84		33.083
539.94		33.093
540.		33.098
540.01		33.099
540.02		33.1
540.05		33.103
540.14		33.111
540.24		33.121
540.34	23.985	33.13
540.44		33.14
540.54		33.149
540.64		33.158
540.74		33.168
540.84		33.177
540.94		33.187
541.		33.192
541.01		33.193
541.02		33.194
541.05		33.197
541.14		33.205
541.24		33.215
541.34		33.224
541.44		33.234
541.54	23.986	33.243
541.64		33.253
541.74		33.262
541.84		33.271
541.94		33.281
542.		33.287
542.01		
542.02		33.288
542.05		33.291
542.14		33.3
542.24		33.309
542.34		33.319

542.44		33.328
542.54		33.338
542.64		33.347
542.74		33.357
542.84		33.366
542.94		33.376
543.		33.381
543.01		33.382
543.02		33.383
543.05	23.987	33.386
543.14		33.395
543.24		33.404
543.34		33.414
543.44		33.423
543.54		33.433
543.64		33.442
543.74		33.452
543.84		33.461
543.94		33.471
544.		33.476
544.01		33.477
544.02		33.478
544.05		33.481
544.14		33.49
544.24	23.988	33.499
544.34		33.509
544.44		33.518
544.54		33.528
544.64		33.538
544.74		33.547
544.84		33.557
544.94		33.566
545.		33.572
545.01		33.573
545.02		33.574
545.05		33.577
545.14		33.585
545.24		33.595
545.34		33.605
545.44		33.614
545.54	23.989	33.624
545.64		33.633
545.74		33.643
545.84		33.653
545.94		33.662
546.		33.668
546.01		33.669
546.02		33.67
546.05		33.673
546.14		33.681
546.24		33.691
546.34		33.701
546.44		33.71
546.54		33.72
546.64		33.73
546.74		33.739
546.84	23.99	33.749
546.94		33.759
547.		33.764
547.01		33.765
547.02		33.766
547.05		33.769
547.14		33.778
547.24		33.788
547.34		33.797
547.44		33.807

547.54	23.991	33.817
547.64		33.826
547.74		33.836
547.84		33.846
547.94		33.856
548.		33.861
548.01		33.862
548.02		33.863
548.05		33.866
548.14		33.875
548.24		33.885
548.34		33.894
548.44	23.992	33.904
548.54		33.914
548.64		33.924
548.74		33.933
548.84		33.943
548.94		33.953
549.		33.959
549.01		33.96
549.02		33.961
549.05		33.964
549.14		33.972
549.24		33.982
549.34		33.992
549.44		34.002
549.54	23.993	34.011
549.64		34.021
549.74		34.031
549.84		34.041
549.94		34.05
550.		34.056
550.5		34.105
551.	23.994	34.154
552.5	23.995	34.301
557.	23.999	34.743
562.	24.003	35.243
567.	24.008	35.753
572.	24.012	36.272
577.	24.017	36.801
582.	24.022	37.339
587.	24.026	37.886
592.	24.031	38.441
597.	24.036	39.005
600.	24.039	39.35
606.	24.045	40.041
612.	24.051	40.743
630.	24.068	42.832
684.	24.135	50.125
738.	24.208	57.608
798.	24.298	65.898
858.	24.397	73.926
918.	24.504	81.531
978.	24.619	88.602
1038.	24.741	95.073
1098.	24.87	100.91
1158.	25.003	106.11
1200.	25.099	109.43
1212.	25.125	110.34
1224.	25.152	111.23
1260.	25.237	113.7
1296.	25.322	115.96
1404.	25.584	121.23
1512.	25.844	125.04
1632.	26.127	127.83
1752.	26.4	129.44

1872.	26.66	130.11
1992.	26.905	130.03
2112.	27.134	129.37
2232.	27.347	128.25
2352.	27.544	126.79
2400.	27.619	126.12
2412.	27.638	125.95
2424.	27.657	125.78
2460.	27.711	125.29
2568.	27.861	123.57
2676.	27.999	121.71
2796.	28.139	119.55
2916.	28.264	117.31
3036.	28.377	115.02
3156.	28.478	112.7
3276.	28.568	110.36
3396.	28.648	108.03
3516.	28.719	105.7
3600.	28.765	104.06
3612.	28.771	103.83
3624.	28.778	103.6
3660.	28.797	102.94
3768.	28.845	100.89
3876.	28.888	98.864
3996.	28.93	96.665
4116.	28.965	94.508
4236.	28.996	92.394
4356.	29.021	90.327
4476.	29.043	88.307
4596.	29.06	86.334
4716.	29.074	84.41
4800.	29.082	83.073
4812.	29.083	82.885
4824.	29.084	82.697
4860.	29.089	82.158
4968.	29.095	80.511
5076.	29.099	78.904
5196.	29.101	77.171
5316.		75.485
5436.	29.099	73.845
5556.	29.095	72.25
5676.	29.09	70.7
5796.	29.083	69.193
5916.	29.074	67.728
6000.	29.068	66.716
6012.	29.067	66.573
6024.	29.066	66.431
6060.	29.064	66.021
6168.	29.054	64.777
6276.	29.043	63.565
6396.	29.03	62.261
6516.	29.016	60.995
6636.	29.001	59.765
6756.	28.986	58.572
6876.	28.97	57.413
6996.	28.953	56.288
7116.	28.936	55.196
7200.	28.924	54.443

FIGURE 22
Model (K4) > Transient Thermal (K5) > Solution (K6) > SWB T

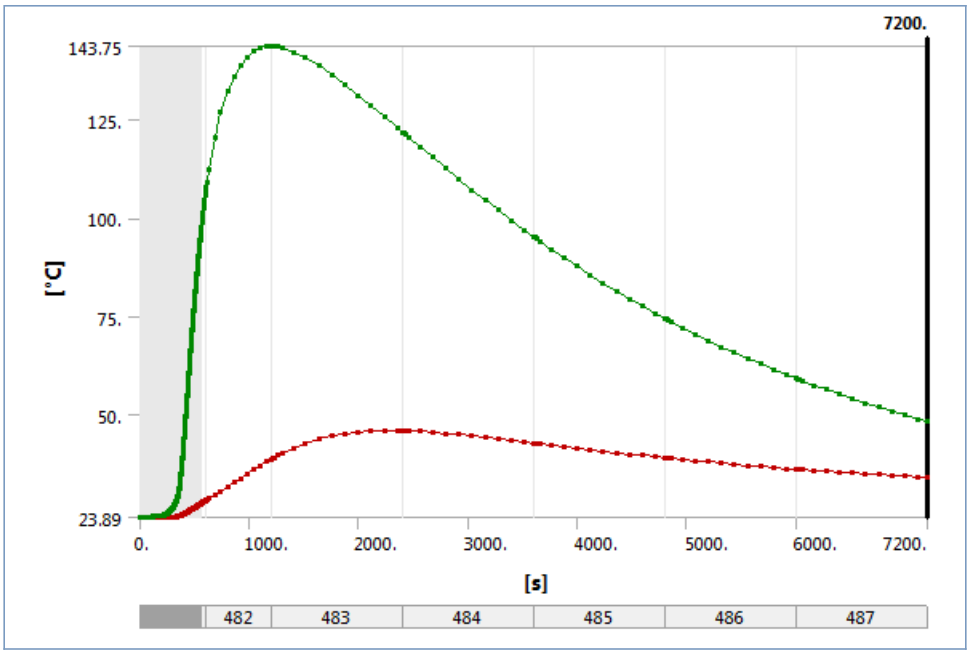

TABLE 30
Model (K4) > Transient Thermal (K5) > Solution (K6) > SWB T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		

6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		23.89
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.22		
14.329		
14.438		
14.638		
14.838		
15.038		
15.238		
15.438		
15.638		
15.838		

16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	
17.68	
17.88	
18.	
18.02	
18.04	
18.1	
18.28	23.891
18.48	
18.68	
18.88	
19.08	
19.28	
19.48	
19.68	
19.88	
20.	
20.02	
20.04	
20.1	
20.28	23.892
20.48	
20.68	
20.88	
21.08	
21.28	
21.48	
21.68	23.893
21.88	
22.	
22.02	
22.04	
22.1	
22.28	
22.48	
22.68	
22.88	
23.08	
23.28	23.894
23.48	
23.68	
23.88	
24.	
24.02	
24.04	
24.1	
24.28	
24.48	
24.68	23.895
24.88	
25.08	
25.28	
25.48	
25.68	
25.88	
26.	

26.02	23.896
26.04	
26.1	
26.28	
26.48	
26.68	
26.88	23.897
27.08	
27.28	
27.48	
27.68	
27.88	23.898
28.	
28.02	
28.04	
28.1	
28.28	
28.48	
28.68	
28.88	23.899
29.08	
29.28	
29.48	
29.68	23.9
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	23.901
30.68	
30.88	
31.08	
31.28	23.902
31.48	
31.68	
31.88	
32.	23.903
32.02	
32.04	
32.1	
32.28	
32.48	
32.68	23.904
32.88	
33.08	
33.28	
33.48	23.905
33.68	
33.88	
34.	
34.02	
34.04	

	23.89	
34.1		
34.28		23.906
34.48		
34.68		
34.88		23.907
35.08		
35.28		
35.48		
35.68		23.908
35.88		
36.		
36.02		
36.04		
36.1		
36.28		23.909
36.48		
36.68		
36.88		
37.08		23.91
37.28		
37.48		
37.68		23.911
37.88		
38.		
38.02		
38.04		
38.1		
38.28		23.912
38.48		
38.68		
38.88		
39.08		23.913
39.28	23.891	
39.48		
39.68		23.914
39.88		
40.		
40.02		
40.04		
40.1		
40.28		23.915
40.48		
40.68		
40.88		
41.08		23.916
41.28		
41.48		
41.68		23.917
41.88		
42.		
42.02		
42.04		
42.1		23.918
42.28		
42.48		
42.68		23.919
42.88		
43.08		
43.28		23.92
43.48		
43.68		
43.88		23.921
44.		
44.02		
44.04		

44.1	
44.28	
44.48	23.922
44.68	
44.88	
45.08	23.923
45.28	
45.48	23.924
45.68	
45.88	
46.	23.925
46.02	
46.04	
46.1	
46.28	
46.48	
46.68	23.926
46.88	
47.08	23.927
47.28	
47.48	
47.68	23.928
47.88	
48.	
48.02	
48.04	
48.1	
48.28	23.929
48.48	
48.68	23.93
48.88	
49.08	
49.28	23.931
49.48	
49.68	
49.88	23.932
50.	
50.02	
50.04	
50.1	
50.28	
50.48	23.933
50.68	
50.88	23.934
51.08	
51.28	
51.48	23.935
51.68	
51.88	
52.	23.936
52.02	
52.04	
52.1	
52.28	
52.48	
52.68	23.937
52.88	
53.08	23.938
53.28	
53.48	
53.68	23.939
53.88	
54.	
54.02	
54.04	
54.1	

54.22		
54.42		23.94
54.606		
54.792		
54.992		23.941
55.192		
55.392		23.942
55.592		
55.792		
55.896		
56.		
56.02		23.943
56.04		
56.1		
56.28		
56.48		23.944
56.68		
56.88		
57.08		23.945
57.28		
57.48		23.946
57.68		
57.88		
58.		
58.02		23.947
58.04		
58.1	23.892	
58.28		
58.48		23.948
58.68		
58.88		23.949
59.08		
59.28		23.95
59.48		
59.68		
59.88		
60.		23.951
60.02		
60.04		
60.1		
60.28		23.952
60.48		
60.68		23.953
60.88		
61.08		23.954
61.28		
61.48		23.955
61.68		
61.861		
62.		
62.02		23.956
62.04		
62.1		
62.28		23.957
62.48		
62.68		23.958
62.88		
63.08		23.959
63.28		
63.48		23.96
63.68		
63.88		
64.		
64.02		23.961
64.04		
64.1		

64.28		23.962
64.48		
64.68		23.963
64.88		
65.08		23.964
65.28		
65.48		23.965
65.68		23.966
65.88		
66.		
66.02		
66.04		
66.1		23.967
66.28		
66.48		23.968
66.68		
66.88		23.969
67.08		
67.28		23.97
67.48		
67.68		23.971
67.88		
68.		23.972
68.02		
68.04		
68.1	23.893	
68.28		
68.48		23.973
68.68		
68.88		23.974
69.08		
69.28		23.975
69.48		23.976
69.68		
69.88		23.977
70.		
70.02		
70.04		
70.1		
70.239		23.978
70.439		
70.632		23.979
70.826		
71.026		23.98
71.226		
71.426		23.981
71.626		
71.826		23.982
72.		
72.02		
72.04		
72.1		
72.28		23.983
72.48		
72.68		23.984
72.88		23.985
73.08		
73.28		23.986
73.48		
73.68		23.987
73.848		
74.		23.988
74.02		
74.04		
74.1		
74.28		

74.48		23.989
74.68		23.99
74.88		
75.08		23.991
75.28		
75.48		23.992
75.68		
75.88		23.993
76.		
76.02		
76.04		
76.1		
76.22		23.994
76.42		
76.596		23.995
76.773		
76.973		23.996
77.173		
77.373		23.997
77.573		
77.773		23.998
77.886	23.894	
78.		23.999
78.02		
78.04		
78.1		
78.28		
78.48		24.
78.68		24.001
78.88		
79.08		24.002
79.28		
79.48		24.003
79.68		24.004
79.845		
80.		
80.02		
80.04		24.005
80.1		
80.28		
80.48		24.006
80.68		
80.88		24.007
81.08		24.008
81.28		
81.48		24.009
81.68		
81.88		24.01
82.		
82.02		
82.04		
82.1		24.011
82.28		
82.48		24.012
82.68		
82.88		24.013
83.08		
83.28		24.014
83.48		24.015
83.68		
83.88		24.016
84.		
84.02		
84.04		
84.1		
84.28		

84.48		24.017
84.68		24.018
84.88		24.019
85.08		
85.28		24.02
85.48		
85.68		24.021
85.88		
86.		24.022
86.02		
86.04		
86.1		
86.28		24.023
86.48		
86.68	23.895	24.024
86.88		
87.08		24.025
87.28		
87.48		24.026
87.68		24.027
87.88		
88.		24.028
88.02		
88.04		
88.1		
88.28		
88.48		24.029
88.68		24.03
88.88		
89.08		24.031
89.28		
89.48		24.032
89.68		
89.88		24.033
90.		
90.02		
90.04		
90.1		24.034
90.28		
90.48		24.035
90.68		
90.88		24.036
91.08		
91.28		24.037
91.48		24.038
91.68		
91.88		24.039
92.	23.896	
92.02		
92.04		
92.1		
92.28		24.04
92.48		
92.68		24.041
92.88		24.042
93.08		
93.28		24.043
93.48		
93.68		24.044
93.88		
94.		24.045
94.02		
94.04		
94.1		
94.28		24.046
94.48		

94.68		24.047
94.88		
95.08		24.048
95.28		
95.48		24.049
95.68		24.05
95.88		
96.		
96.02		
96.04		24.051
96.1		
96.22		
96.42		24.052
96.604		
96.788		24.053
96.988		
97.188		24.054
97.388		
97.588		24.055
97.788		24.056
97.894		
98.		
98.02		
98.04		
98.1		
98.28		24.057
98.48		24.058
98.68		
98.88		24.059
99.08		
99.28		24.06
99.48		
99.68		24.061
99.83		24.062
99.915		
100.		
100.02		
100.04		
100.1		
100.28		24.063
100.48		
100.68		24.064
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205.94		24.46
206.		
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206.09		
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206.65		
206.75		24.464
206.85		
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207.		
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207.02		
207.05		
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207.64		

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207.94		24.47
208.		
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208.94		
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209.14		
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209.74		24.48
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210.94		24.486
211.		
211.01		
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212.		24.492
212.01		
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212.05		
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212.34		
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212.54		
212.64		24.495

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212.84		
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213.		
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213.02		
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213.14		24.498
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213.58		
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216.84		
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217.		
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217.54		

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218.		
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218.64		24.531
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219.54		24.537
219.64		
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219.94		
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222.		
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222.44		
222.54		24.558
222.64		24.559

222.74		24.56
222.84		
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223.		24.562
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223.23		
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223.51		
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223.81		24.568
223.91		
224.		24.569
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224.05		
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224.24		24.571
224.34		
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224.64		24.574
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224.84	23.92	
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225.		24.577
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225.05		
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225.24		
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225.44		24.58
225.54		24.581
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225.84		24.583
225.94		24.584
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226.05		
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226.24		
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226.44		24.588
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226.64		24.59
226.74		
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226.94		24.592
227.		24.593
227.01	23.921	
227.02		
227.05		
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227.24		24.595
227.34		
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227.54		24.597
227.64		24.598
227.74		24.599

227.84		24.6
227.94		
228.		24.601
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230.94		24.627
231.		24.628
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231.05		
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231.34		24.631
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231.54		24.633
231.64		24.634
231.74		24.635
231.84		24.636
231.94		24.637
232.		
232.01		
232.02		
232.05	23.923	24.638
232.14		24.639
232.24		24.64
232.34		24.641
232.44		
232.54		24.642
232.64		24.643
232.74		24.644
232.84		24.645

232.94		24.646
233.		24.647
233.01		
233.02		
233.05		24.648
233.14		
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233.34		24.65
233.44		24.651
233.54		24.652
233.64		24.653
233.74		24.655
233.84		24.656
233.94	23.924	24.657
234.		
234.01		
234.02		
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234.24		24.66
234.34		24.661
234.44		24.662
234.54		24.663
234.64		24.664
234.74		24.665
234.84		24.666
234.94		24.667
235.		24.668
235.01		
235.02		
235.05		
235.14		24.669
235.24		24.67
235.34		24.671
235.44		24.673
235.54		24.674
235.64		24.675
235.74		24.676
235.84		24.677
235.94		24.678
236.		24.679
236.01		
236.02		
236.05		
236.14		24.68
236.24	23.925	24.681
236.34		24.682
236.44		24.683
236.54		24.685
236.64		24.686
236.74		24.687
236.84		24.688
236.94		24.689
237.		24.69
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237.02		
237.05		
237.14		24.691
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237.34		24.694
237.44		24.695
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237.64		24.697
237.74		24.698
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237.94		24.7

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238.24		24.704
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238.64		24.709
238.74		24.71
238.84		24.711
238.94		24.712
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239.24		24.716
239.34		24.717
239.44		24.718
239.54		24.719
239.64		24.721
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239.94		24.724
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240.84		24.736
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241.64		24.746
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241.84		24.749
241.94		24.751
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242.02		
242.05		
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242.34		24.756
242.44		24.757
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242.94		24.764
243.		

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243.02		
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243.24		24.768
243.34		24.77
243.44		24.771
243.54		24.773
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243.84		24.777
243.94	23.929	24.778
244.		24.779
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244.14		24.781
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244.84		24.791
244.94		24.793
245.		24.794
245.01		
245.02		
245.05		
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245.34		24.799
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245.54	23.93	24.802
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246.74		24.82
246.84		24.821
246.94		24.823
247.		24.824
247.01		
247.02		
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247.14	23.931	24.826
247.24		24.828
247.34		24.829
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247.54		24.832
247.64		24.834
247.74		24.836
247.84		24.837
247.94		24.839
248.		24.84
248.01		

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248.44		24.847
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248.64		24.85
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248.94		24.855
249.		24.856
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249.64		24.866
249.74		24.868
249.84		24.87
249.94		24.872
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251.		24.89
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253.		24.925
253.01		
253.02		

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254.		24.944
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254.74		24.958
254.84		24.96
254.94		24.961
255.		24.963
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255.02		
255.05		24.964
255.14		24.965
255.24		24.967
255.34		24.969
255.44		24.971
255.54	23.937	24.973
255.64		24.975
255.74		24.977
255.84		24.979
255.94		24.981
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256.74		24.997
256.84	23.938	24.999
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257.94		25.022
258.		25.023
258.01		
258.02		
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259.		25.044
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259.74		25.06
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260.		25.066
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260.74		25.083
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261.84		25.108
261.94		25.11
262.	23.942	25.111
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262.02		
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262.24		25.117
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262.54		25.124
262.64		25.126
262.74		25.128
262.84		25.131
262.94	23.943	25.133
263.		25.134
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263.05		
263.14		25.137

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263.74		25.151
263.84		25.154
263.94		25.156
264.		25.157
264.01		25.158
264.02		
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264.34		25.165
264.44		25.168
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264.74		25.175
264.84		25.177
264.94		25.18
265.		25.181
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265.02		
265.05		25.182
265.14		25.184
265.24		25.187
265.34		25.189
265.44		25.191
265.54		25.194
265.64	23.946	25.196
265.74		25.199
265.84		25.201
265.94		25.203
266.		25.205
266.01		
266.02		
266.05		25.206
266.14		25.208
266.24		25.211
266.34		25.213
266.44		25.216
266.54		25.218
266.64	23.947	25.22
266.74		25.223
266.84		25.225
266.94		25.228
267.		25.229
267.01		25.23
267.02		
267.05		25.231
267.14		25.233
267.24		25.235
267.34		25.238
267.44		25.24
267.54		25.243
267.64	23.948	25.245
267.74		25.248
267.84		25.25
267.94		25.253
268.		25.254
268.01		25.255
268.02		
268.05		25.256
268.14		25.258
268.24		25.26

268.34		25.263
268.44		25.266
268.54	23.949	25.268
268.64		25.271
268.74		25.273
268.84		25.276
268.94		25.278
269.		25.28
269.01		
269.02		25.281
269.05		
269.14		25.284
269.24		25.286
269.34		25.289
269.44		25.292
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269.74		25.3
269.84		25.302
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270.02		
270.05		25.308
270.14		25.31
270.24		25.313
270.34		25.316
270.44	23.951	25.318
270.54		25.321
270.64		25.324
270.74		25.326
270.84		25.329
270.94		25.332
271.		25.333
271.01		25.334
271.02		
271.05		25.335
271.14		25.337
271.24		25.34
271.34	23.952	25.343
271.44		25.345
271.54		25.348
271.64		25.351
271.74		25.354
271.84		25.356
271.94		25.359
272.		25.361
272.01		
272.02		
272.05		25.362
272.14		25.365
272.24	23.953	25.368
272.34		25.37
272.44		25.373
272.54		25.376
272.64		25.379
272.74		25.382
272.84		25.384
272.94		25.387
273.		25.389
273.01		
273.02		25.39
273.05		
273.14		25.393
273.24		25.396
273.34		25.399

273.44	23.954	25.402
273.54		25.404
273.64		25.407
273.74		25.41
273.84		25.413
273.94	23.955	25.416
274.		25.418
274.01		
274.02		
274.05		25.419
274.14		25.422
274.24		25.425
274.34		25.428
274.44		25.431
274.54		25.434
274.64		25.437
274.74		25.44
274.84	23.956	25.443
274.94		25.446
275.		25.447
275.01		25.448
275.02		
275.05		25.449
275.14		25.451
275.24		25.454
275.34		25.457
275.44		25.46
275.54		25.463
275.64	23.957	25.466
275.74		25.47
275.84		25.473
275.94		25.476
276.		25.477
276.01		25.478
276.02		
276.05		25.479
276.14		25.482
276.24		25.485
276.34		25.488
276.44	23.958	25.491
276.54		25.494
276.64		25.497
276.74		25.5
276.84		25.503
276.94		25.506
277.		25.508
277.01		25.509
277.02		
277.05		25.51
277.14		25.513
277.24	23.959	25.516
277.34		25.519
277.44		25.522
277.54		25.525
277.64		25.528
277.74		25.531
277.84		25.535
277.94		25.538
278.	23.96	25.54
278.01		
278.02		
278.05		25.541
278.14		25.544
278.24		25.547
278.34		25.55
278.44		25.554

278.54		25.557
278.64		25.56
278.74	23.961	25.563
278.84		25.566
278.94		25.57
279.		25.571
279.01		25.572
279.02		
279.05		25.573
279.14		25.576
279.24		25.579
279.34		25.582
279.44		25.586
279.54	23.962	25.589
279.64		25.592
279.74		25.595
279.84		25.598
279.94		25.602
280.		25.604
280.01		
280.02		
280.05		25.605
280.14		25.608
280.24		25.611
280.34	23.963	25.615
280.44		25.618
280.54		25.621
280.64		25.625
280.74		25.628
280.84		25.631
280.94		25.634
281.	23.964	25.636
281.01		25.637
281.02		
281.05		25.638
281.14		25.641
281.24		25.644
281.34		25.648
281.44		25.651
281.54		25.654
281.64		25.658
281.74	23.965	25.661
281.84		25.664
281.94		25.668
282.		25.67
282.01		
282.02		
282.05		25.671
282.14		25.674
282.24		25.678
282.34		25.681
282.44		25.685
282.54	23.966	25.688
282.64		25.691
282.74		25.695
282.84		25.698
282.94		25.702
283.		25.704
283.01		
283.02		
283.05		25.705
283.14		25.708
283.24	23.967	25.712
283.34		25.715
283.44		25.719
283.54		25.722

283.64		25.726
283.74		25.729
283.84		25.732
283.94	23.968	25.736
284.		25.738
284.01		
284.02		25.739
284.05		25.74
284.14		25.743
284.24		25.746
284.34		25.75
284.44		25.753
284.54		25.757
284.64	23.969	25.76
284.74		25.764
284.84		25.767
284.94		25.771
285.		25.773
285.01		
285.02		25.774
285.05		25.775
285.14		25.778
285.24		25.781
285.34	23.97	25.785
285.44		25.788
285.54		25.792
285.64		25.795
285.74		25.799
285.84		25.802
285.94		25.806
286.	23.971	25.808
286.01		
286.02		25.809
286.05		25.81
286.14		25.813
286.24		25.817
286.34		25.82
286.44		25.824
286.54		25.827
286.64		25.831
286.74	23.972	25.835
286.84		25.838
286.94		25.842
287.		25.844
287.01		
287.02		25.845
287.05		25.846
287.14		25.849
287.24		25.853
287.34	23.973	25.856
287.44		25.86
287.54		25.864
287.64		25.867
287.74		25.871
287.84		25.875
287.94		25.878
288.	23.974	25.88
288.01		25.881
288.02		
288.05		25.882
288.14		25.886
288.24		25.889
288.34		25.893
288.44		25.897
288.54		25.9
288.64		25.904

288.74	23.975	25.908
288.84		25.911
288.94		25.915
289.		25.917
289.01		25.918
289.02		
289.05		25.919
289.14		25.923
289.24		25.926
289.34	23.976	25.93
289.44		25.934
289.54		25.938
289.64		25.941
289.74		25.945
289.84		25.949
289.94		25.953
290.	23.977	25.955
290.01		
290.02		25.956
290.05		25.957
290.14		25.96
290.24		25.964
290.34		25.968
290.44		25.972
290.54		25.975
290.64	23.978	25.979
290.74		25.983
290.84		25.987
290.94		25.991
291.		25.993
291.01		25.994
291.02		
291.05		25.995
291.14		25.999
291.24	23.979	26.002
291.34		26.006
291.44		26.01
291.54		26.014
291.64		26.018
291.74		26.022
291.84		26.026
291.94	23.98	26.03
292.		26.032
292.01		26.033
292.02		
292.05		26.034
292.14		26.038
292.24		26.042
292.34		26.046
292.44		26.05
292.54	23.981	26.054
292.64		26.058
292.74		26.062
292.84		26.066
292.94		26.07
293.		26.072
293.01		26.073
293.02		
293.05		26.074
293.14	23.982	26.078
293.24		26.082
293.34		26.086
293.44		26.09
293.54		26.095
293.64		26.099
293.74		26.103

293.84	23.983	26.107
293.94		26.111
294.		26.114
294.01		
294.02		
294.05		26.116
294.14		26.119
294.24		26.124
294.34	23.984	26.128
294.44		26.132
294.54		26.136
294.64		26.141
294.74		26.145
294.84	23.985	26.149
294.94		26.153
295.		26.156
295.01		
295.02		26.157
295.05		26.158
295.14		26.162
295.24		26.166
295.34		26.17
295.44	23.986	26.175
295.54		26.179
295.64		26.183
295.74		26.188
295.84		26.192
295.94		26.196
296.	23.987	26.199
296.01		
296.02		26.2
296.05		26.201
296.14		26.205
296.24		26.21
296.34		26.214
296.44		26.218
296.54	23.988	26.223
296.64		26.227
296.74		26.231
296.84		26.236
296.94		26.24
297.		26.243
297.01		
297.02		26.244
297.05		26.245
297.14	23.989	26.249
297.24		26.254
297.34		26.258
297.44		26.263
297.54		26.267
297.64	23.99	26.272
297.74		26.276
297.84		26.281
297.94		26.285
298.		26.288
298.01		
298.02		26.289
298.05		26.29
298.14		26.294
298.24	23.991	26.299
298.34		26.303
298.44		26.308
298.54		26.312
298.64		26.317
298.74		26.321
298.84		26.326

298.94	23.992	26.331
299.		26.333
299.01		26.334
299.02		
299.05		26.336
299.14		26.34
299.24	23.993	26.344
299.34		26.349
299.44		26.354
299.54		26.358
299.64		26.363
299.74		26.367
299.84	23.994	26.372
299.94		26.377
300.		26.38
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300.05		26.382
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300.24		26.391
300.34	23.995	26.396
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300.54		26.405
300.64		26.41
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300.84	23.996	26.419
300.94		26.424
301.		26.427
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301.02		26.428
301.05		26.429
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301.24		26.438
301.34	23.997	26.443
301.44		26.448
301.54		26.452
301.64		26.457
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301.84	23.998	26.467
301.94		26.472
302.		26.474
302.01		26.475
302.02		
302.05		26.477
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302.24		26.486
302.34	23.999	26.491
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302.54		26.5
302.64		26.505
302.74		26.51
302.84	24.	26.515
302.94		26.52
303.		26.523
303.01		
303.02		26.524
303.05		26.525
303.14		26.53
303.24		26.535
303.34	24.001	26.54
303.44		26.544
303.54		26.549
303.64		26.554
303.74		26.559
303.84		26.564
303.94		26.569

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304.01		26.573
304.02		
304.05		26.575
304.14		26.579
304.24		26.584
304.34	24.003	26.589
304.44		26.594
304.54		26.599
304.64		26.604
304.74		26.609
304.84	24.004	26.614
304.94		26.619
305.		26.622
305.01		26.623
305.02		
305.05		26.625
305.14		26.629
305.24		26.634
305.34	24.005	26.64
305.44		26.645
305.54		26.65
305.64		26.655
305.74		26.66
305.84	24.006	26.665
305.94		26.67
306.		26.673
306.01		26.674
306.02		
306.05		26.676
306.14		26.68
306.24	24.007	26.686
306.34		26.691
306.44		26.696
306.54		26.701
306.64		26.706
306.74	24.008	26.711
306.84		26.717
306.94		26.722
307.		26.725
307.01		
307.02		26.726
307.05		26.727
307.14		26.732
307.24	24.009	26.737
307.34		26.743
307.44		26.748
307.54		26.753
307.64	24.01	26.758
307.74		26.763
307.84		26.769
307.94		26.774
308.		26.777
308.01		
308.02		26.778
308.05		26.78
308.14	24.011	26.784
308.24		26.79
308.34		26.795
308.44		26.8
308.54		26.805
308.64	24.012	26.811
308.74		26.816
308.84		26.821
308.94		26.826
309.		

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309.02		26.831
309.05		26.832
309.14		26.837
309.24		26.842
309.34		26.848
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309.54	24.014	26.858
309.64		26.864
309.74		26.869
309.84		26.874
309.94	24.015	26.88
310.		26.883
310.01		26.884
310.02		
310.05		26.886
310.14		26.891
310.24		26.896
310.34		26.901
310.44	24.016	26.907
310.54		26.912
310.64		26.918
310.74		26.923
310.84	24.017	26.928
310.94		26.934
311.		26.937
311.01		26.938
311.02		
311.05		26.94
311.14		26.945
311.24		26.95
311.34	24.018	26.956
311.44		26.961
311.54		26.967
311.64		26.972
311.74	24.019	26.977
311.84		26.983
311.94		26.988
312.		26.992
312.01		
312.02		26.993
312.05		26.994
312.14	24.02	26.999
312.24		27.005
312.34		27.01
312.44		27.016
312.54		27.021
312.64	24.021	27.027
312.74		27.032
312.84		27.038
312.94		27.043
313.		27.046
313.01	24.022	27.047
313.02		
313.05		27.049
313.14		27.054
313.24		27.059
313.34		27.065
313.44		27.07
313.54	24.023	27.076
313.64		27.081
313.74		27.087
313.84		27.092
313.94		27.098
314.		27.101
314.01		

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314.05		27.104
314.14		27.109
314.24		27.114
314.34	24.025	27.12
314.44		27.126
314.54		27.131
314.64		27.137
314.74		27.142
314.84	24.026	27.148
314.94		27.153
315.		27.157
315.01		
315.02		27.158
315.05		27.16
315.14		27.165
315.24	24.027	27.17
315.34		27.176
315.44		27.181
315.54		27.187
315.64	24.028	27.193
315.74		27.198
315.84		27.204
315.94		27.21
316.		27.213
316.01		27.214
316.02		
316.05	24.029	27.216
316.14		27.221
316.24		27.226
316.34		27.232
316.44		27.238
316.54	24.03	27.243
316.64		27.249
316.74		27.255
316.84		27.26
316.94	24.031	27.266
317.		27.269
317.01		27.27
317.02		27.271
317.05		27.272
317.14		27.277
317.24		27.283
317.34	24.032	27.289
317.44		27.294
317.54		27.3
317.64		27.306
317.74	24.033	27.312
317.84		27.317
317.94		27.323
318.		27.326
318.01		27.327
318.02		
318.05		27.329
318.14	24.034	27.334
318.24		27.34
318.34		27.346
318.44		27.351
318.54		27.357
318.64	24.035	27.363
318.74		27.369
318.84		27.374
318.94		27.38
319.		27.384
319.01		
319.02		27.385

319.05	24.036	27.387
319.14		27.392
319.24		27.397
319.34		27.403
319.44	24.037	27.409
319.54		27.415
319.64		27.421
319.74		27.426
319.84	24.038	27.432
319.94		27.438
320.		27.442
320.01		
320.02		27.443
320.05		27.445
320.14		27.45
320.24	24.039	27.456
320.34		27.461
320.44		27.467
320.54		27.473
320.64	24.04	27.479
320.74		27.485
320.84		27.491
320.94		27.497
321.	24.041	27.5
321.01		27.501
321.02		
321.05		27.503
321.14		27.509
321.24		27.514
321.34		27.52
321.44	24.042	27.526
321.54		27.532
321.64		27.538
321.74		27.544
321.84	24.043	27.55
321.94		27.556
322.		27.56
322.01		
322.02		27.561
322.05		27.562
322.14		27.568
322.24	24.044	27.574
322.34		27.58
322.44		27.586
322.54		27.592
322.64	24.045	27.598
322.74		27.604
322.84		27.61
322.94		27.615
323.	24.046	27.619
323.01		27.62
323.02		
323.05		27.622
323.14		27.627
323.24		27.633
323.34		27.639
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323.54		27.651
323.64		27.657
323.74		27.663
323.84	24.048	27.669
323.94		27.675
324.		27.679
324.01		27.68
324.02		
324.05		27.682

324.14		27.687
324.24	24.049	27.693
324.34		27.699
324.44		27.705
324.54		27.711
324.64	24.05	27.718
324.74		27.724
324.84		27.73
324.94		27.736
325.	24.051	27.739
325.01		27.74
325.02		
325.05		27.742
325.14		27.748
325.24		27.754
325.34		27.76
325.44	24.052	27.766
325.54		27.772
325.64		27.778
325.74	24.053	27.784
325.84		27.79
325.94		27.796
326.		27.8
326.01		
326.02		27.801
326.05		27.803
326.14	24.054	27.808
326.24		27.814
326.34		27.821
326.44		27.827
326.54	24.055	27.833
326.64		27.839
326.74		27.845
326.84		27.851
326.94	24.056	27.857
327.		27.861
327.01		27.862
327.02		
327.05		27.864
327.14		27.869
327.24		27.876
327.34	24.057	27.882
327.44		27.888
327.54		27.894
327.64		27.9
327.74	24.058	27.906
327.84		27.912
327.94		27.919
328.		27.922
328.01		27.923
328.02		27.924
328.05	24.059	27.925
328.14		27.931
328.24		27.937
328.34		27.943
328.44	24.06	27.95
328.54		27.956
328.64		27.962
328.74		27.968
328.84	24.061	27.975
328.94		27.981
329.		27.985
329.01		
329.02		27.986
329.05		27.988
329.14		27.993

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329.74		28.031
329.84		28.037
329.94	24.064	28.044
330.		28.048
330.01		
330.02		28.049
330.05		28.051
330.14		28.056
330.24		28.063
330.34	24.065	28.069
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330.54		28.082
330.64		28.088
330.74	24.066	28.095
330.84		28.101
330.94		28.108
331.		28.112
331.01		
331.02		28.113
331.05	24.067	28.115
331.14		28.121
331.24		28.127
331.34		28.134
331.44	24.068	28.14
331.54		28.147
331.64		28.153
331.74		28.16
331.84	24.069	28.167
331.94		28.173
332.		28.177
332.01		28.178
332.02		28.179
332.05		28.181
332.14	24.07	28.187
332.24		28.193
332.34		28.2
332.44		28.207
332.54	24.071	28.214
332.64		28.221
332.74		28.227
332.84	24.072	28.234
332.94		28.241
333.		28.245
333.01		28.246
333.02		28.247
333.05		28.249
333.14		28.255
333.24	24.073	28.262
333.34		28.269
333.44		28.276
333.54	24.074	28.283
333.64		28.29
333.74		28.297
333.84	24.075	28.304
333.94		28.311
334.		28.315
334.01		28.316
334.02		
334.05		28.319
334.14		28.325
334.24		28.332

334.34	24.076	28.339
334.44		28.346
334.54	24.077	28.354
334.64		28.361
334.74		28.368
334.84	24.078	28.375
334.94		28.383
335.		28.387
335.01		28.388
335.02		
335.05		28.391
335.14		28.397
335.24	24.079	28.405
335.34		28.412
335.44		28.419
335.54	24.08	28.427
335.64		28.434
335.74		28.442
335.84	24.081	28.449
335.94		28.457
336.		28.462
336.01		
336.02		28.463
336.05		28.465
336.14	24.082	28.472
336.24		28.48
336.34		28.488
336.44	24.083	28.495
336.54		28.503
336.64		28.511
336.74		28.519
336.84	24.084	28.526
336.94		28.534
337.		28.539
337.01		28.54
337.02		28.541
337.05		28.543
337.14	24.085	28.55
337.24		28.558
337.34		28.566
337.44	24.086	28.574
337.54		28.582
337.64		28.59
337.74	24.087	28.598
337.84		28.606
337.94		28.615
338.	24.088	28.619
338.01		28.62
338.02		28.621
338.05		28.624
338.14		28.631
338.24		28.639
338.34	24.089	28.648
338.44		28.656
338.54		28.664
338.64	24.09	28.673
338.74		28.681
338.84		28.69
338.94	24.091	28.698
339.		28.703
339.01		28.704
339.02		28.705
339.05		28.708
339.14	24.092	28.715
339.24		28.724
339.34		28.733

339.44	24.093	28.742
339.54		28.75
339.64		28.759
339.74	24.094	28.768
339.84		28.777
339.94		28.786
340.	24.095	28.791
340.01		28.792
340.02		28.793
340.05		28.795
340.14		28.803
340.24	24.096	28.812
340.34		28.821
340.44		28.83
340.54	24.097	28.84
340.64		28.849
340.74		28.858
340.84	24.098	28.867
340.94		28.876
341.		28.882
341.01		28.883
341.02		28.884
341.05	24.099	28.886
341.14		28.895
341.24		28.904
341.34	24.1	28.913
341.44		28.923
341.54		28.932
341.64	24.101	28.941
341.74		28.951
341.84	24.102	28.96
341.94		28.97
342.		28.976
342.01		28.977
342.02		28.978
342.05		28.981
342.14	24.103	28.989
342.24		28.999
342.34		29.009
342.44	24.104	29.018
342.54		29.028
342.64	24.105	29.038
342.74		29.048
342.84		29.058
342.94	24.106	29.068
343.		29.074
343.01		29.075
343.02		29.076
343.05		29.079
343.14	24.107	29.088
343.24		29.098
343.34		29.108
343.44	24.108	29.118
343.54		29.128
343.64	24.109	29.138
343.74		29.149
343.84	24.11	29.159
343.94		29.17
344.		29.176
344.01		29.177
344.02		29.178
344.05		29.181
344.14	24.111	29.191
344.24		29.201
344.34	24.112	29.212
344.44		29.223

344.54		29.233
344.64	24.113	29.244
344.74		29.255
344.84	24.114	29.266
344.94		29.277
345.	24.115	29.284
345.01		29.285
345.02		29.286
345.05		29.289
345.14		29.299
345.24	24.116	29.31
345.34		29.322
345.44		29.333
345.54	24.117	29.344
345.64		29.356
345.74	24.118	29.367
345.84		29.379
345.94	24.119	29.39
346.		29.397
346.01		29.398
346.02		29.399
346.05		29.403
346.14	24.12	29.413
346.24		29.425
346.34	24.121	29.437
346.44		29.449
346.54	24.122	29.461
346.64		29.472
346.74		29.484
346.84	24.123	29.497
346.94		29.509
347.	24.124	29.516
347.01		29.517
347.02		29.518
347.05		29.522
347.14		29.533
347.24	24.125	29.545
347.34		29.558
347.44	24.126	29.57
347.54		29.583
347.64	24.127	29.595
347.74		29.608
347.84	24.128	29.62
347.94		29.633
348.	24.129	29.641
348.01		29.642
348.02		29.643
348.05		29.647
348.14		29.658
348.24	24.13	29.671
348.34		29.684
348.44	24.131	29.697
348.54		29.71
348.64	24.132	29.723
348.74		29.736
348.84	24.133	29.749
348.94		29.763
349.	24.134	29.771
349.01		29.772
349.02		29.773
349.05		29.777
349.14		29.789
349.24	24.135	29.803
349.34	24.136	29.816
349.44		29.83
349.54		29.843

349.64	24.137	29.857
349.74	24.138	29.87
349.84		29.884
349.94	24.139	29.898
350.		29.906
350.01		29.908
350.02		29.909
350.05		29.913
350.14	24.14	29.926
350.24		29.94
350.34	24.141	29.954
350.44	24.142	29.968
350.54		29.982
350.64	24.143	29.996
350.74		30.011
350.84	24.144	30.025
350.94		30.04
351.	24.145	30.048
351.01		30.05
351.02		30.051
351.05		30.056
351.14		30.069
351.24	24.146	30.083
351.34	24.147	30.098
351.44		30.113
351.54	24.148	30.127
351.64		30.142
351.74	24.149	30.157
351.84		30.172
351.94	24.15	30.187
352.		30.196
352.01	24.151	30.198
352.02		30.199
352.05		30.204
352.14		30.218
352.24	24.152	30.233
352.34		30.248
352.44	24.153	30.263
352.54	24.154	30.279
352.64		30.294
352.74	24.155	30.31
352.84		30.325
352.94	24.156	30.341
353.		30.351
353.01	24.157	30.352
353.02		30.354
353.05		30.358
353.14		30.373
353.24	24.158	30.388
353.34	24.159	30.404
353.44		30.42
353.54	24.16	30.436
353.64		30.452
353.74	24.161	30.469
353.84	24.162	30.485
353.94		30.501
354.	24.163	30.511
354.01		30.513
354.02		30.514
354.05		30.519
354.14	24.164	30.534
354.24		30.55
354.34	24.165	30.567
354.44	24.166	30.583
354.54		30.6
354.64	24.167	30.617

354.74	24.168	30.634
354.84		30.65
354.94	24.169	30.667
355.		30.677
355.01		30.679
355.02		30.681
355.05	24.17	30.686
355.14		30.701
355.24	24.171	30.718
355.34		30.736
355.44	24.172	30.753
355.54	24.173	30.77
355.64	24.174	30.787
355.74		30.805
355.84	24.175	30.822
355.94	24.176	30.84
356.		30.85
356.01		30.852
356.02		30.854
356.05		30.859
356.14	24.177	30.875
356.24	24.178	30.893
356.34		30.91
356.44	24.179	30.928
356.54	24.18	30.946
356.64		30.964
356.74	24.181	30.982
356.84	24.182	31.
356.94		31.018
357.	24.183	31.029
357.01		31.031
357.02		31.032
357.05		31.038
357.14	24.184	31.054
357.24	24.185	31.072
357.34		31.091
357.44	24.186	31.109
357.54	24.187	31.128
357.64		31.146
357.74	24.188	31.165
357.84	24.189	31.183
357.94	24.19	31.202
358.		31.213
358.01		31.215
358.02		31.217
358.05		31.223
358.14	24.191	31.24
358.24	24.192	31.259
358.34	24.193	31.278
358.44		31.297
358.54	24.194	31.316
358.64	24.195	31.335
358.74	24.196	31.354
358.84		31.374
358.94	24.197	31.393
359.	24.198	31.405
359.01		31.407
359.02		31.409
359.05		31.415
359.14	24.199	31.432
359.24		31.452
359.34	24.2	31.471
359.44	24.201	31.491
359.54	24.202	31.511
359.64		31.531
359.74	24.203	31.551

359.84	24.204	31.571
359.94	24.205	31.591
360.		31.604
360.01		31.606
360.02		31.608
360.05	24.206	31.614
360.14		31.632
360.24	24.207	31.652
360.34	24.208	31.673
360.44	24.209	31.693
360.54	24.21	31.714
360.64		31.735
360.74	24.211	31.756
360.84	24.212	31.777
360.94	24.213	31.798
361.		31.81
361.01		31.812
361.02		31.815
361.05	24.214	31.821
361.14		31.84
361.24	24.215	31.861
361.34	24.216	31.882
361.44	24.217	31.904
361.54	24.218	31.925
361.64	24.219	31.946
361.74		31.968
361.84	24.22	31.989
361.94	24.221	32.011
362.	24.222	32.024
362.01		32.026
362.02		32.028
362.05		32.035
362.14	24.223	32.054
362.24	24.224	32.076
362.34		32.098
362.44	24.225	32.12
362.54	24.226	32.142
362.64	24.227	32.164
362.74	24.228	32.186
362.84	24.229	32.208
362.94	24.23	32.23
363.		32.244
363.01		32.246
363.02		32.248
363.05	24.231	32.255
363.14		32.275
363.24	24.232	32.298
363.34	24.233	32.32
363.44	24.234	32.342
363.54	24.235	32.365
363.64	24.236	32.388
363.74	24.237	32.41
363.84	24.238	32.433
363.94		32.456
364.	24.239	32.469
364.01		32.472
364.02		32.474
364.05		32.481
364.14	24.24	32.501
364.24	24.241	32.524
364.34	24.242	32.547
364.44	24.243	32.57
364.54	24.244	32.594
364.64	24.245	32.617
364.74	24.246	32.64
364.84		32.663

364.94	24.247	32.687
365.	24.248	32.701
365.01		32.703
365.02		32.705
365.05		32.712
365.14	24.249	32.733
365.24	24.25	32.757
365.34	24.251	32.781
365.44	24.252	32.804
365.54	24.253	32.828
365.64	24.254	32.852
365.74	24.255	32.875
365.84	24.256	32.899
365.94	24.257	32.923
366.		32.938
366.01		32.94
366.02		32.942
366.05	24.258	32.95
366.14	24.259	32.971
366.24	24.26	32.995
366.34		33.019
366.44	24.261	33.043
366.54	24.262	33.068
366.64	24.263	33.092
366.74	24.264	33.116
366.84	24.265	33.141
366.94	24.266	33.165
367.	24.267	33.18
367.01		33.182
367.02		33.185
367.05		33.192
367.14	24.268	33.214
367.24	24.269	33.239
367.34	24.27	33.263
367.44	24.271	33.288
367.54	24.272	33.313
367.64	24.273	33.337
367.74	24.274	33.362
367.84	24.275	33.387
367.94	24.276	33.412
368.		33.427
368.01	24.277	33.43
368.02		33.432
368.05		33.44
368.14	24.278	33.462
368.24	24.279	33.487
368.34	24.28	33.512
368.44	24.281	33.537
368.54	24.282	33.563
368.64	24.283	33.588
368.74	24.284	33.613
368.84	24.285	33.639
368.94	24.286	33.664
369.		33.679
369.01		33.682
369.02	24.287	33.684
369.05		33.692
369.14	24.288	33.715
369.24	24.289	33.74
369.34	24.29	33.766
369.44	24.291	33.792
369.54	24.292	33.817
369.64	24.293	33.843
369.74	24.294	33.869
369.84	24.295	33.894
369.94		33.92

370.	24.296	33.936
370.01	24.297	33.938
370.02		33.941
370.05		33.949
370.14	24.298	33.972
370.24	24.299	33.998
370.34	24.3	34.024
370.44	24.301	34.05
370.54	24.302	34.076
370.64	24.303	34.102
370.74	24.304	34.129
370.84	24.305	34.155
370.94	24.306	34.181
371.	24.307	34.197
371.01		34.2
371.02		34.202
371.05		34.21
371.14	24.308	34.234
371.24	24.309	34.26
371.34	24.31	34.287
371.44	24.311	34.313
371.54	24.312	34.339
371.64	24.313	34.366
371.74	24.315	34.393
371.84	24.316	34.419
371.94	24.317	34.446
372.		34.462
372.01		34.464
372.02		34.467
372.05	24.318	34.475
372.14	24.319	34.499
372.24	24.32	34.526
372.34	24.321	34.553
372.44	24.322	34.58
372.54	24.323	34.606
372.64	24.324	34.633
372.74	24.325	34.66
372.84	24.326	34.687
372.94	24.327	34.714
373.	24.328	34.731
373.01		34.734
373.02		34.736
373.05		34.744
373.14	24.329	34.769
373.24	24.331	34.796
373.34	24.332	34.823
373.44	24.333	34.85
373.54	24.334	34.878
373.64	24.335	34.905
373.74	24.336	34.932
373.84	24.337	34.96
373.94	24.338	34.987
374.	24.339	35.004
374.01		35.007
374.02		35.009
374.05		35.018
374.14	24.34	35.042
374.24	24.341	35.07
374.34	24.343	35.097
374.44	24.344	35.125
374.54	24.345	35.153
374.64	24.346	35.18
374.74	24.347	35.208
374.84	24.348	35.236
374.94	24.349	35.264
375.		35.281

375.01	24.35	35.283
375.02		35.286
375.05		35.294
375.14	24.351	35.32
375.24	24.352	35.347
375.34	24.354	35.375
375.44	24.355	35.403
375.54	24.356	35.431
375.64	24.357	35.459
375.74	24.358	35.487
375.84	24.359	35.515
375.94	24.36	35.544
376.	24.361	35.56
376.01		35.563
376.02		35.566
376.05	24.362	35.575
376.14	24.363	35.6
376.24	24.364	35.628
376.34	24.365	35.656
376.44	24.366	35.685
376.54	24.367	35.713
376.64	24.368	35.741
376.74	24.369	35.77
376.84	24.371	35.798
376.94	24.372	35.827
377.		35.844
377.01		35.847
377.02	24.373	35.85
377.05		35.858
377.14	24.374	35.884
377.24	24.375	35.912
377.34	24.376	35.941
377.44	24.377	35.97
377.54	24.379	35.998
377.64	24.38	36.027
377.74	24.381	36.056
377.84	24.382	36.085
377.94	24.383	36.114
378.	24.384	36.131
378.01		36.134
378.02		36.137
378.05		36.146
378.14	24.385	36.172
378.24	24.387	36.201
378.34	24.388	36.23
378.44	24.389	36.259
378.54	24.39	36.288
378.64	24.391	36.317
378.74	24.393	36.347
378.84	24.394	36.376
378.94	24.395	36.405
379.	24.396	36.423
379.01		36.426
379.02		36.429
379.05		36.438
379.14	24.397	36.464
379.24	24.398	36.493
379.34	24.4	36.523
379.44	24.401	36.552
379.54	24.402	36.582
379.64	24.403	36.611
379.74	24.404	36.641
379.84	24.406	36.671
379.94	24.407	36.7
380.		36.718
380.01		36.721

380.02	24.408	36.724
380.05		36.733
380.14	24.409	36.76
380.24	24.41	36.79
380.34	24.412	36.82
380.44	24.413	36.849
380.54	24.414	36.879
380.64	24.415	36.909
380.74	24.416	36.939
380.84	24.418	36.969
380.94	24.419	36.999
381.	24.42	37.018
381.01		37.021
381.02		37.024
381.05		37.033
381.14	24.421	37.06
381.24	24.422	37.09
381.34	24.424	37.12
381.44	24.425	37.15
381.54	24.426	37.181
381.64	24.427	37.211
381.74	24.429	37.241
381.84	24.43	37.272
381.94	24.431	37.302
382.	24.432	37.32
382.01		37.323
382.02		37.326
382.05		37.335
382.14	24.434	37.363
382.24	24.435	37.393
382.34	24.436	37.424
382.44	24.437	37.454
382.54	24.438	37.485
382.64	24.44	37.515
382.74	24.441	37.546
382.84	24.442	37.577
382.94	24.443	37.607
383.	24.444	37.626
383.01		37.629
383.02		37.632
383.05	24.445	37.641
383.14	24.446	37.669
383.24	24.447	37.7
383.34	24.448	37.73
383.44	24.45	37.761
383.54	24.451	37.792
383.64	24.452	37.823
383.74	24.453	37.854
383.84	24.455	37.885
383.94	24.456	37.916
384.	24.457	37.934
384.01		37.937
384.02		37.941
384.05		37.95
384.14	24.458	37.978
384.24	24.46	38.009
384.34	24.461	38.04
384.44	24.462	38.071
384.54	24.464	38.102
384.64	24.465	38.133
384.74	24.466	38.164
384.84	24.467	38.195
384.94	24.469	38.227
385.		38.245
385.01	24.47	38.249
385.02		38.252

385.05		38.261
385.14	24.471	38.289
385.24	24.472	38.321
385.34	24.474	38.352
385.44	24.475	38.383
385.54	24.476	38.415
385.64	24.478	38.446
385.74	24.479	38.477
385.84	24.48	38.509
385.94	24.481	38.54
386.	24.482	38.559
386.01		38.562
386.02		38.566
386.05	24.483	38.575
386.14	24.484	38.603
386.24	24.485	38.635
386.34	24.487	38.667
386.44	24.488	38.698
386.54	24.489	38.73
386.64	24.491	38.762
386.74	24.492	38.793
386.84	24.493	38.825
386.94	24.494	38.857
387.	24.495	38.876
387.01		38.879
387.02		38.882
387.05	24.496	38.892
387.14	24.497	38.921
387.24	24.498	38.952
387.34	24.5	38.984
387.44	24.501	39.016
387.54	24.502	39.048
387.64	24.504	39.08
387.74	24.505	39.112
387.84	24.506	39.144
387.94	24.508	39.176
388.		39.196
388.01		39.199
388.02	24.509	39.202
388.05		39.212
388.14	24.51	39.24
388.24	24.511	39.273
388.34	24.513	39.305
388.44	24.514	39.337
388.54	24.515	39.369
388.64	24.517	39.401
388.74	24.518	39.434
388.84	24.519	39.466
388.94	24.521	39.498
389.	24.522	39.518
389.01		39.521
389.02		39.524
389.05		39.534
389.14	24.523	39.563
389.24	24.525	39.595
389.34	24.526	39.628
389.44	24.527	39.66
389.54	24.529	39.692
389.64	24.53	39.725
389.74	24.531	39.757
389.84	24.533	39.79
389.94	24.534	39.822
390.	24.535	39.842
390.01		39.845
390.02		39.848
390.05	24.536	39.858

390.14	24.537	39.888
390.24	24.538	39.92
390.34	24.54	39.953
390.44	24.541	39.985
390.54	24.542	40.018
390.64	24.544	40.051
390.74	24.545	40.084
390.84	24.546	40.116
390.94	24.548	40.149
391.		40.169
391.01	24.549	40.172
391.02		40.176
391.05		40.185
391.14	24.55	40.215
391.24	24.552	40.248
391.34	24.553	40.281
391.44	24.554	40.314
391.54	24.556	40.347
391.64	24.557	40.38
391.74	24.559	40.413
391.84	24.56	40.446
391.94	24.561	40.479
392.	24.562	40.498
392.01		40.502
392.02		40.505
392.05	24.563	40.515
392.14	24.564	40.545
392.24	24.565	40.578
392.34	24.567	40.611
392.44	24.568	40.644
392.54	24.57	40.677
392.64	24.571	40.711
392.74	24.572	40.744
392.84	24.574	40.777
392.94	24.575	40.811
393.	24.576	40.831
393.01		40.834
393.02		40.837
393.05	24.577	40.847
393.14	24.578	40.877
393.24	24.579	40.911
393.34	24.581	40.944
393.44	24.582	40.978
393.54	24.583	41.011
393.64	24.585	41.045
393.74	24.586	41.079
393.84	24.588	41.112
393.94	24.589	41.146
394.	24.59	41.166
394.01		41.17
394.02		41.173
394.05	24.591	41.183
394.14	24.592	41.214
394.24	24.593	41.248
394.34	24.595	41.281
394.44	24.596	41.315
394.54	24.598	41.349
394.64	24.599	41.383
394.74	24.6	41.417
394.84	24.602	41.451
394.94	24.603	41.485
395.	24.604	41.506
395.01		41.509
395.02		41.512
395.05	24.605	41.523
395.14	24.606	41.553

395.24	24.607	41.587
395.34	24.609	41.621
395.44	24.61	41.655
395.54	24.612	41.69
395.64	24.613	41.724
395.74	24.615	41.758
395.84	24.616	41.792
395.94	24.617	41.826
396.	24.618	41.847
396.01		41.85
396.02	24.619	41.854
396.05		41.864
396.14	24.62	41.895
396.24	24.622	41.929
396.34	24.623	41.963
396.44	24.625	41.998
396.54	24.626	42.032
396.64	24.628	42.066
396.74	24.629	42.101
396.84	24.63	42.135
396.94	24.632	42.169
397.	24.633	42.19
397.01		42.194
397.02		42.197
397.05		42.207
397.14	24.635	42.238
397.24	24.636	42.273
397.34	24.638	42.307
397.44	24.639	42.342
397.54	24.641	42.377
397.64	24.642	42.411
397.74	24.643	42.446
397.84	24.645	42.481
397.94	24.646	42.516
398.	24.647	42.537
398.01		42.54
398.02	24.648	42.544
398.05		42.554
398.14	24.649	42.585
398.24	24.651	42.62
398.34	24.652	42.655
398.44	24.654	42.69
398.54	24.655	42.725
398.64	24.657	42.76
398.74	24.658	42.795
398.84	24.66	42.83
398.94	24.661	42.865
399.	24.662	42.886
399.01		42.89
399.02		42.893
399.05	24.663	42.904
399.14	24.664	42.935
399.24	24.665	42.97
399.34	24.667	43.005
399.44	24.668	43.041
399.54	24.67	43.076
399.64	24.671	43.111
399.74	24.673	43.146
399.84	24.674	43.181
399.94	24.676	43.217
400.	24.677	43.238
400.01		43.241
400.02		43.245
400.05	24.678	43.255
400.14	24.679	43.287
400.24	24.68	43.322

400.34	24.682	43.358
400.44	24.683	43.393
400.54	24.685	43.428
400.64	24.686	43.464
400.74	24.688	43.499
400.84	24.689	43.534
400.94	24.691	43.57
401.	24.692	43.591
401.01		43.595
401.02		43.598
401.05		43.609
401.14	24.694	43.641
401.24	24.695	43.676
401.34	24.697	43.712
401.44	24.698	43.747
401.54	24.7	43.783
401.64	24.701	43.818
401.74	24.703	43.854
401.84	24.704	43.889
401.94	24.706	43.925
402.	24.707	43.946
402.01		43.95
402.02		43.953
402.05	24.708	43.964
402.14	24.709	43.996
402.24	24.71	44.031
402.34	24.712	44.067
402.44	24.713	44.103
402.54	24.715	44.138
402.64	24.716	44.174
402.74	24.718	44.21
402.84	24.719	44.245
402.94	24.721	44.281
403.	24.722	44.302
403.01		44.306
403.02		44.309
403.05	24.723	44.32
403.14	24.724	44.352
403.24	24.726	44.388
403.34	24.727	44.424
403.44	24.729	44.46
403.54	24.73	44.495
403.64	24.732	44.531
403.74	24.733	44.567
403.84	24.735	44.603
403.94	24.736	44.638
404.	24.737	44.66
404.01		44.664
404.02		44.667
404.05	24.738	44.678
404.14	24.739	44.71
404.24	24.741	44.746
404.34	24.742	44.782
404.44	24.744	44.818
404.54	24.745	44.853
404.64	24.747	44.889
404.74	24.748	44.925
404.84	24.75	44.961
404.94	24.752	44.997
405.		45.018
405.01	24.753	45.022
405.02		45.026
405.05		45.036
405.14	24.755	45.069
405.24	24.756	45.105
405.34	24.758	45.14

405.44	24.759	45.176
405.54	24.761	45.212
405.64	24.762	45.248
405.74	24.764	45.284
405.84	24.765	45.32
405.94	24.767	45.356
406.	24.768	45.378
406.01		45.381
406.02		45.385
406.05	24.769	45.396
406.14	24.77	45.428
406.24	24.772	45.464
406.34	24.773	45.5
406.44	24.775	45.536
406.54	24.776	45.572
406.64	24.778	45.608
406.74	24.779	45.644
406.84	24.781	45.681
406.94	24.782	45.717
407.	24.783	45.738
407.01	24.784	45.742
407.02		45.745
407.05		45.756
407.14	24.786	45.789
407.24	24.787	45.825
407.34	24.789	45.861
407.44	24.79	45.897
407.54	24.792	45.933
407.64	24.793	45.969
407.74	24.795	46.006
407.84	24.797	46.042
407.94	24.798	46.078
408.	24.799	46.1
408.01		46.103
408.02		46.107
408.05	24.8	46.118
408.14	24.801	46.15
408.24	24.803	46.186
408.34	24.804	46.223
408.44	24.806	46.259
408.54	24.807	46.295
408.64	24.809	46.331
408.74	24.811	46.367
408.84	24.812	46.404
408.94	24.814	46.44
409.	24.815	46.462
409.01		46.465
409.02		46.469
409.05		46.48
409.14	24.817	46.513
409.24	24.818	46.549
409.34	24.82	46.585
409.44	24.822	46.621
409.54	24.823	46.658
409.64	24.825	46.694
409.74	24.826	46.73
409.84	24.828	46.767
409.94	24.829	46.803
410.	24.83	46.825
410.01	24.831	46.828
410.02		46.832
410.05		46.843
410.14	24.833	46.876
410.24	24.834	46.912
410.34	24.836	46.948
410.44	24.837	46.985

410.54	24.839	47.021
410.64	24.841	47.058
410.74	24.842	47.094
410.84	24.844	47.131
410.94	24.845	47.167
411.	24.846	47.189
411.01		47.193
411.02	24.847	47.196
411.05		47.207
411.14	24.848	47.24
411.24	24.85	47.277
411.34	24.852	47.313
411.44	24.853	47.35
411.54	24.855	47.386
411.64	24.856	47.423
411.74	24.858	47.459
411.84	24.86	47.496
411.94	24.861	47.533
412.	24.862	47.555
412.01		47.558
412.02		47.562
412.05	24.863	47.573
412.14	24.864	47.606
412.24	24.866	47.642
412.34	24.868	47.679
412.44	24.869	47.716
412.54	24.871	47.752
412.64	24.872	47.789
412.74	24.874	47.826
412.84	24.876	47.862
412.94	24.877	47.899
413.	24.878	47.921
413.01		47.925
413.02	24.879	47.928
413.05		47.939
413.14	24.88	47.972
413.24	24.882	48.009
413.34	24.884	48.046
413.44	24.885	48.083
413.54	24.887	48.119
413.64	24.888	48.156
413.74	24.89	48.193
413.84	24.892	48.23
413.94	24.893	48.266
414.	24.894	48.289
414.01		48.292
414.02	24.895	48.296
414.05		48.307
414.14	24.897	48.34
414.24	24.898	48.377
414.34	24.9	48.414
414.44	24.901	48.45
414.54	24.903	48.487
414.64	24.905	48.524
414.74	24.906	48.561
414.84	24.908	48.598
414.94	24.909	48.635
415.	24.91	48.657
415.01	24.911	48.661
415.02		48.664
415.05		48.675
415.14	24.913	48.709
415.24	24.914	48.746
415.34	24.916	48.783
415.44	24.918	48.82
415.54	24.919	48.857

415.64	24.921	48.894
415.74	24.923	48.931
415.84	24.924	48.968
415.94	24.926	49.005
416.	24.927	49.027
416.01		49.031
416.02		49.035
416.05	24.928	49.046
416.14	24.929	49.079
416.24	24.931	49.116
416.34	24.932	49.154
416.44	24.934	49.191
416.54	24.936	49.228
416.64	24.937	49.265
416.74	24.939	49.303
416.84	24.941	49.34
416.94	24.942	49.377
417.	24.943	49.4
417.01		49.403
417.02		49.407
417.05	24.944	49.418
417.14	24.945	49.452
417.24	24.947	49.489
417.34	24.949	49.526
417.44	24.95	49.564
417.54	24.952	49.601
417.64	24.954	49.638
417.74	24.955	49.676
417.84	24.957	49.713
417.94	24.959	49.751
418.	24.96	49.773
418.01		49.777
418.02		49.781
418.05		49.792
418.14	24.962	49.825
418.24	24.964	49.863
418.34	24.965	49.9
418.44	24.967	49.938
418.54	24.969	49.975
418.64	24.97	50.012
418.74	24.972	50.05
418.84	24.974	50.087
418.94	24.975	50.125
419.	24.976	50.147
419.01		50.151
419.02	24.977	50.155
419.05		50.166
419.14	24.979	50.2
419.24	24.98	50.237
419.34	24.982	50.274
419.44	24.984	50.312
419.54	24.985	50.349
419.64	24.987	50.387
419.74	24.989	50.424
419.84	24.99	50.462
419.94	24.992	50.5
420.	24.993	50.522
420.01		50.526
420.02		50.53
420.05	24.994	50.541
420.14	24.995	50.575
420.24	24.997	50.612
420.34	24.999	50.65
420.44	25.	50.687
420.54	25.002	50.725
420.64	25.004	50.763

420.74	25.005	50.8
420.84	25.007	50.838
420.94	25.009	50.876
421.	25.01	50.898
421.01		50.902
421.02		50.906
421.05		50.917
421.14	25.012	50.951
421.24	25.014	50.989
421.34	25.015	51.027
421.44	25.017	51.064
421.54	25.019	51.102
421.64	25.02	51.14
421.74	25.022	51.178
421.84	25.024	51.215
421.94	25.025	51.253
422.	25.026	51.276
422.01	25.027	51.279
422.02		51.283
422.05		51.295
422.14	25.029	51.328
422.24	25.031	51.366
422.34	25.032	51.404
422.44	25.034	51.442
422.54	25.036	51.479
422.64	25.037	51.517
422.74	25.039	51.555
422.84	25.041	51.593
422.94	25.042	51.631
423.	25.043	51.653
423.01	25.044	51.657
423.02		51.661
423.05		51.672
423.14	25.046	51.706
423.24	25.047	51.744
423.34	25.049	51.782
423.44	25.051	51.82
423.54	25.053	51.857
423.64	25.054	51.895
423.74	25.056	51.933
423.84	25.058	51.971
423.94	25.059	52.009
424.	25.06	52.032
424.01	25.061	52.035
424.02		52.039
424.05		52.051
424.14	25.063	52.085
424.24	25.064	52.122
424.34	25.066	52.16
424.44	25.068	52.198
424.54	25.07	52.236
424.64	25.071	52.274
424.74	25.073	52.312
424.84	25.075	52.35
424.94	25.076	52.388
425.	25.077	52.411
425.01	25.078	52.415
425.02		52.418
425.05		52.43
425.14	25.08	52.464
425.24	25.082	52.502
425.34	25.083	52.54
425.44	25.085	52.578
425.54	25.087	52.616
425.64	25.088	52.654
425.74	25.09	52.692

425.84	25.092	52.73
425.94	25.094	52.768
426.	25.095	52.791
426.01		52.795
426.02		52.799
426.05		52.81
426.14	25.097	52.844
426.24	25.099	52.883
426.34	25.1	52.921
426.44	25.102	52.959
426.54	25.104	52.997
426.64	25.106	53.035
426.74	25.107	53.073
426.84	25.109	53.111
426.94	25.111	53.15
427.	25.112	53.172
427.01		53.176
427.02		53.18
427.05	25.113	53.192
427.14	25.114	53.226
427.24	25.116	53.264
427.34	25.118	53.302
427.44	25.119	53.34
427.54	25.121	53.379
427.64	25.123	53.417
427.74	25.125	53.455
427.84	25.126	53.493
427.94	25.128	53.531
428.	25.129	53.554
428.01		53.558
428.02		53.562
428.05	25.13	53.573
428.14	25.132	53.608
428.24	25.133	53.646
428.34	25.135	53.684
428.44	25.137	53.723
428.54	25.138	53.761
428.64	25.14	53.799
428.74	25.142	53.837
428.84	25.144	53.876
428.94	25.145	53.914
429.	25.146	53.937
429.01	25.147	53.941
429.02		53.944
429.05		53.956
429.14	25.149	53.99
429.24	25.151	54.029
429.34	25.152	54.067
429.44	25.154	54.105
429.54	25.156	54.144
429.64	25.158	54.182
429.74	25.159	54.22
429.84	25.161	54.259
429.94	25.163	54.297
430.	25.164	54.32
430.01		54.324
430.02		54.328
430.05	25.165	54.339
430.14	25.166	54.374
430.24	25.168	54.412
430.34	25.17	54.451
430.44	25.172	54.489
430.54	25.173	54.527
430.64	25.175	54.566
430.74	25.177	54.604
430.84	25.179	54.643

430.94	25.18	54.681
431.	25.181	54.704
431.01	25.182	54.708
431.02		54.712
431.05		54.723
431.14	25.184	54.758
431.24	25.186	54.796
431.34	25.187	54.835
431.44	25.189	54.873
431.54	25.191	54.912
431.64	25.193	54.95
431.74	25.194	54.989
431.84	25.196	55.027
431.94	25.198	55.066
432.	25.199	55.089
432.01		55.093
432.02		55.097
432.05	25.2	55.108
432.14	25.201	55.143
432.24	25.203	55.181
432.34	25.205	55.22
432.44	25.207	55.258
432.54	25.209	55.297
432.64	25.21	55.335
432.74	25.212	55.374
432.84	25.214	55.412
432.94	25.216	55.451
433.	25.217	55.474
433.01		55.478
433.02		55.482
433.05	25.218	55.493
433.14	25.219	55.528
433.24	25.221	55.566
433.34	25.223	55.605
433.44	25.224	55.643
433.54	25.226	55.682
433.64	25.228	55.72
433.74	25.23	55.759
433.84	25.232	55.797
433.94	25.233	55.836
434.	25.234	55.859
434.01	25.235	55.863
434.02		55.867
434.05		55.878
434.14	25.237	55.913
434.24	25.239	55.951
434.34	25.24	55.99
434.44	25.242	56.028
434.54	25.244	56.067
434.64	25.246	56.105
434.74	25.248	56.144
434.84	25.249	56.182
434.94	25.251	56.221
435.	25.252	56.244
435.01		56.248
435.02	25.253	56.252
435.05		56.263
435.14	25.255	56.298
435.24	25.256	56.336
435.34	25.258	56.375
435.44	25.26	56.413
435.54	25.262	56.452
435.64	25.264	56.491
435.74	25.265	56.529
435.84	25.267	56.568
435.94	25.269	56.606

436.	25.27	56.629
436.01		56.633
436.02		56.637
436.05	25.271	56.649
436.14	25.272	56.683
436.24	25.274	56.722
436.34	25.276	56.761
436.44	25.278	56.799
436.54	25.28	56.838
436.64	25.281	56.876
436.74	25.283	56.915
436.84	25.285	56.953
436.94	25.287	56.992
437.	25.288	57.015
437.01		57.019
437.02		57.023
437.05	25.289	57.034
437.14	25.29	57.069
437.24	25.292	57.108
437.34	25.294	57.146
437.44	25.296	57.185
437.54	25.298	57.224
437.64	25.299	57.262
437.74	25.301	57.301
437.84	25.303	57.339
437.94	25.305	57.378
438.	25.306	57.401
438.01		57.405
438.02		57.409
438.05	25.307	57.42
438.14	25.308	57.455
438.24	25.31	57.494
438.34	25.312	57.532
438.44	25.314	57.571
438.54	25.315	57.61
438.64	25.317	57.648
438.74	25.319	57.687
438.84	25.321	57.725
438.94	25.323	57.764
439.	25.324	57.787
439.01		57.791
439.02		57.795
439.05	25.325	57.806
439.14	25.326	57.841
439.24	25.328	57.88
439.34	25.33	57.918
439.44	25.332	57.957
439.54	25.333	57.995
439.64	25.335	58.034
439.74	25.337	58.073
439.84	25.339	58.111
439.94	25.341	58.15
440.	25.342	58.173
440.01		58.177
440.02		58.181
440.05	25.343	58.192
440.14	25.344	58.227
440.24	25.346	58.265
440.34	25.348	58.304
440.44	25.35	58.342
440.54	25.352	58.381
440.64	25.353	58.419
440.74	25.355	58.458
440.84	25.357	58.496
440.94	25.359	58.535
441.		58.558

441.01	25.36	58.562
441.02		58.566
441.05	25.361	58.577
441.14	25.362	58.612
441.24	25.364	58.651
441.34	25.366	58.689
441.44	25.368	58.727
441.54	25.37	58.766
441.64	25.371	58.804
441.74	25.373	58.843
441.84	25.375	58.881
441.94	25.377	58.92
442.	25.378	58.943
442.01		58.947
442.02		58.951
442.05	25.379	58.962
442.14	25.38	58.997
442.24	25.382	59.035
442.34	25.384	59.074
442.44	25.386	59.112
442.54	25.388	59.151
442.64	25.39	59.189
442.74	25.391	59.227
442.84	25.393	59.266
442.94	25.395	59.304
443.	25.396	59.327
443.01		59.331
443.02		59.335
443.05	25.397	59.346
443.14	25.399	59.381
443.24	25.4	59.419
443.34	25.402	59.458
443.44	25.404	59.496
443.54	25.406	59.534
443.64	25.408	59.573
443.74	25.41	59.611
443.84	25.411	59.649
443.94	25.413	59.688
444.	25.414	59.711
444.01		59.715
444.02	25.415	59.718
444.05		59.73
444.14	25.417	59.764
444.24	25.419	59.803
444.34	25.42	59.841
444.44	25.422	59.879
444.54	25.424	59.918
444.64	25.426	59.956
444.74	25.428	59.994
444.84	25.429	60.032
444.94	25.431	60.071
445.	25.432	60.094
445.01	25.433	60.097
445.02		60.101
445.05		60.113
445.14	25.435	60.147
445.24	25.437	60.185
445.34	25.439	60.224
445.44	25.44	60.262
445.54	25.442	60.3
445.64	25.444	60.338
445.74	25.446	60.377
445.84	25.448	60.415
445.94	25.449	60.453
446.	25.451	60.476
446.01		60.48

446.02		60.484
446.05	25.452	60.495
446.14	25.453	60.53
446.24	25.455	60.568
446.34	25.457	60.606
446.44	25.459	60.644
446.54	25.46	60.683
446.64	25.462	60.721
446.74	25.464	60.759
446.84	25.466	60.797
446.94	25.468	60.836
447.		60.858
447.01	25.469	60.862
447.02		60.866
447.05	25.47	60.878
447.14	25.471	60.912
447.24	25.473	60.95
447.34	25.475	60.988
447.44	25.477	61.026
447.54	25.479	61.065
447.64	25.481	61.103
447.74	25.482	61.141
447.84	25.484	61.179
447.94	25.486	61.217
448.		61.24
448.01	25.487	61.244
448.02		61.248
448.05	25.488	61.259
448.14	25.49	61.294
448.24	25.491	61.332
448.34	25.493	61.37
448.44	25.495	61.408
448.54	25.497	61.446
448.64	25.499	61.484
448.74	25.501	61.522
448.84	25.502	61.56
448.94	25.504	61.598
449.	25.505	61.621
449.01		61.625
449.02	25.506	61.629
449.05		61.64
449.14	25.508	61.674
449.24	25.51	61.712
449.34	25.512	61.75
449.44	25.513	61.789
449.54	25.515	61.827
449.64	25.517	61.865
449.74	25.519	61.903
449.84	25.521	61.941
449.94	25.523	61.979
450.		62.001
450.01	25.524	62.005
450.02		62.009
450.05	25.525	62.02
450.14	25.526	62.055
450.24	25.528	62.093
450.34	25.53	62.131
450.44	25.532	62.169
450.54	25.534	62.207
450.64	25.535	62.244
450.74	25.537	62.282
450.84	25.539	62.32
450.94	25.541	62.358
451.		62.381
451.01	25.542	62.385
451.02		62.389

451.05	25.543	62.4
451.14	25.545	62.434
451.24	25.546	62.472
451.34	25.548	62.51
451.44	25.55	62.548
451.54	25.552	62.586
451.64	25.554	62.624
451.74	25.556	62.662
451.84	25.557	62.7
451.94	25.559	62.738
452.	25.56	62.76
452.01	25.561	62.764
452.02		62.768
452.05		62.779
452.14	25.563	62.813
452.24	25.565	62.851
452.34	25.567	62.889
452.44	25.568	62.927
452.54	25.57	62.965
452.64	25.572	63.003
452.74	25.574	63.041
452.84	25.576	63.078
452.94	25.578	63.116
453.	25.579	63.139
453.01		63.143
453.02		63.147
453.05	25.58	63.158
453.14	25.581	63.192
453.24	25.583	63.23
453.34	25.585	63.268
453.44	25.587	63.305
453.54	25.589	63.343
453.64	25.591	63.381
453.74	25.592	63.419
453.84	25.594	63.456
453.94	25.596	63.494
454.	25.597	63.517
454.01		63.52
454.02	25.598	63.524
454.05		63.536
454.14	25.6	63.569
454.24	25.602	63.607
454.34	25.603	63.645
454.44	25.605	63.683
454.54	25.607	63.72
454.64	25.609	63.758
454.74	25.611	63.796
454.84	25.613	63.833
454.94	25.614	63.871
455.	25.616	63.893
455.01		63.897
455.02		63.901
455.05		63.912
455.14	25.618	63.946
455.24	25.62	63.984
455.34	25.622	64.021
455.44	25.624	64.059
455.54	25.626	64.096
455.64	25.627	64.134
455.74	25.629	64.171
455.84	25.631	64.209
455.94	25.633	64.247
456.	25.634	64.269
456.01		64.273
456.02		64.277
456.05	25.635	64.288

456.14	25.637	64.322
456.24	25.638	64.359
456.34	25.64	64.397
456.44	25.642	64.434
456.54	25.644	64.472
456.64	25.646	64.509
456.74	25.648	64.546
456.84	25.649	64.584
456.94	25.651	64.621
457.	25.652	64.644
457.01	25.653	64.648
457.02		64.651
457.05		64.663
457.14	25.655	64.696
457.24	25.657	64.734
457.34	25.659	64.771
457.44	25.661	64.808
457.54	25.662	64.846
457.64	25.664	64.883
457.74	25.666	64.921
457.84	25.668	64.958
457.94	25.67	64.995
458.	25.671	65.018
458.01		65.021
458.02		65.025
458.05	25.672	65.036
458.14	25.673	65.07
458.24	25.675	65.107
458.34	25.677	65.145
458.44	25.679	65.182
458.54	25.681	65.219
458.64	25.683	65.257
458.74	25.684	65.294
458.84	25.686	65.331
458.94	25.688	65.368
459.	25.689	65.391
459.01		65.394
459.02	25.69	65.398
459.05		65.409
459.14	25.692	65.443
459.24	25.694	65.48
459.34	25.696	65.517
459.44	25.697	65.555
459.54	25.699	65.592
459.64	25.701	65.629
459.74	25.703	65.666
459.84	25.705	65.703
459.94	25.707	65.741
460.	25.708	65.763
460.01		65.767
460.02		65.77
460.05	25.709	65.781
460.14	25.71	65.815
460.24	25.712	65.852
460.34	25.714	65.889
460.44	25.716	65.926
460.54	25.718	65.963
460.64	25.72	66.001
460.74	25.721	66.038
460.84	25.723	66.075
460.94	25.725	66.112
461.	25.726	66.134
461.01		66.138
461.02	25.727	66.141
461.05		66.153
461.14	25.729	66.186

461.24	25.731	66.223
461.34	25.733	66.26
461.44	25.734	66.297
461.54	25.736	66.334
461.64	25.738	66.371
461.74	25.74	66.408
461.84	25.742	66.445
461.94	25.744	66.482
462.	25.745	66.504
462.01		66.508
462.02		66.512
462.05	25.746	66.523
462.14	25.747	66.556
462.24	25.749	66.593
462.34	25.751	66.63
462.44	25.753	66.667
462.54	25.755	66.704
462.64	25.757	66.741
462.74	25.758	66.778
462.84	25.76	66.815
462.94	25.762	66.852
463.	25.763	66.874
463.01		66.877
463.02	25.764	66.881
463.05		66.892
463.14	25.766	66.925
463.24	25.768	66.962
463.34	25.769	66.999
463.44	25.771	67.036
463.54	25.773	67.073
463.64	25.775	67.109
463.74	25.777	67.146
463.84	25.779	67.183
463.94	25.781	67.22
464.	25.782	67.242
464.01		67.246
464.02		67.249
464.05	25.783	67.26
464.14	25.784	67.293
464.24	25.786	67.33
464.34	25.788	67.367
464.44	25.79	67.404
464.54	25.792	67.44
464.64	25.794	67.477
464.74	25.795	67.514
464.84	25.797	67.551
464.94	25.799	67.587
465.	25.8	67.609
465.01		67.613
465.02	25.801	67.617
465.05		67.628
465.14	25.803	67.661
465.24	25.805	67.697
465.34	25.806	67.734
465.44	25.808	67.771
465.54	25.81	67.807
465.64	25.812	67.844
465.74	25.814	67.881
465.84	25.816	67.917
465.94	25.818	67.954
466.	25.819	67.976
466.01		67.98
466.02		67.983
466.05	25.82	67.994
466.14	25.821	68.027
466.24	25.823	68.064

466.34	25.825	68.1
466.44	25.827	68.137
466.54	25.829	68.173
466.64	25.831	68.21
466.74	25.832	68.246
466.84	25.834	68.283
466.94	25.836	68.319
467.	25.837	68.341
467.01		68.345
467.02	25.838	68.349
467.05		68.36
467.14	25.84	68.392
467.24	25.842	68.429
467.34	25.843	68.465
467.44	25.845	68.502
467.54	25.847	68.538
467.64	25.849	68.575
467.74	25.851	68.611
467.84	25.853	68.647
467.94	25.855	68.684
468.	25.856	68.706
468.01		68.709
468.02		68.713
468.05	25.857	68.724
468.14	25.858	68.757
468.24	25.86	68.793
468.34	25.862	68.829
468.44	25.864	68.866
468.54	25.866	68.902
468.64	25.868	68.938
468.74	25.869	68.975
468.84	25.871	69.011
468.94	25.873	69.047
469.	25.874	69.069
469.01		69.072
469.02	25.875	69.076
469.05		69.087
469.14	25.877	69.12
469.24	25.879	69.156
469.34	25.88	69.192
469.44	25.882	69.228
469.54	25.884	69.265
469.64	25.886	69.301
469.74	25.888	69.337
469.84	25.89	69.373
469.94	25.892	69.409
470.	25.893	69.431
470.01		69.435
470.02		69.438
470.05	25.894	69.449
470.14	25.895	69.482
470.24	25.897	69.518
470.34	25.899	69.554
470.44	25.901	69.59
470.54	25.903	69.626
470.64	25.905	69.662
470.74	25.906	69.698
470.84	25.908	69.734
470.94	25.91	69.77
471.	25.911	69.792
471.01		69.796
471.02	25.912	69.799
471.05		69.81
471.14	25.914	69.842
471.24	25.916	69.879
471.34	25.918	69.915

471.44	25.919	69.951
471.54	25.921	69.987
471.64	25.923	70.023
471.74	25.925	70.058
471.84	25.927	70.094
471.94	25.929	70.13
472.	25.93	70.152
472.01		70.156
472.02		70.159
472.05	25.931	70.17
472.14	25.932	70.202
472.24	25.934	70.238
472.34	25.936	70.274
472.44	25.938	70.31
472.54	25.94	70.346
472.64	25.942	70.382
472.74	25.943	70.417
472.84	25.945	70.453
472.94	25.947	70.489
473.	25.948	70.511
473.01		70.514
473.02	25.949	70.518
473.05		70.529
473.14	25.951	70.561
473.24	25.953	70.597
473.34	25.955	70.632
473.44	25.956	70.668
473.54	25.958	70.704
473.64	25.96	70.74
473.74	25.962	70.775
473.84	25.964	70.811
473.94	25.966	70.847
474.	25.967	70.868
474.01		70.872
474.02		70.875
474.05	25.968	70.886
474.14	25.969	70.918
474.24	25.971	70.954
474.34	25.973	70.99
474.44	25.975	71.025
474.54	25.977	71.061
474.64	25.979	71.096
474.74	25.98	71.132
474.84	25.982	71.168
474.94	25.984	71.203
475.	25.985	71.225
475.01		71.228
475.02	25.986	71.232
475.05		71.242
475.14	25.988	71.274
475.24	25.99	71.31
475.34	25.992	71.346
475.44	25.993	71.381
475.54	25.995	71.417
475.64	25.997	71.452
475.74	25.999	71.488
475.84	26.001	71.523
475.94	26.003	71.559
476.	26.004	71.58
476.01		71.583
476.02		71.587
476.05	26.005	71.598
476.14	26.006	71.629
476.24	26.008	71.665
476.34	26.01	71.7
476.44	26.012	71.736

476.54	26.014	71.771
476.64	26.016	71.807
476.74	26.017	71.842
476.84	26.019	71.877
476.94	26.021	71.913
477.	26.022	71.934
477.01		71.937
477.02	26.023	71.941
477.05		71.952
477.14	26.025	71.983
477.24	26.027	72.019
477.34	26.029	72.054
477.44	26.03	72.089
477.54	26.032	72.125
477.64	26.034	72.16
477.74	26.036	72.195
477.84	26.038	72.231
477.94	26.04	72.266
478.	26.041	72.287
478.01		72.29
478.02		72.294
478.05	26.042	72.305
478.14	26.043	72.336
478.24	26.045	72.371
478.34	26.047	72.407
478.44	26.049	72.442
478.54	26.051	72.477
478.64	26.053	72.512
478.74	26.054	72.547
478.84	26.056	72.583
478.94	26.058	72.618
479.	26.059	72.639
479.01		72.642
479.02	26.06	72.646
479.05		72.656
479.14	26.062	72.688
479.24	26.064	72.723
479.34	26.065	72.758
479.44	26.067	72.793
479.54	26.069	72.828
479.64	26.071	72.863
479.74	26.073	72.898
479.84	26.075	72.933
479.94	26.077	72.968
480.	26.078	72.989
480.01		72.993
480.02		72.996
480.05	26.079	73.007
480.14	26.08	73.038
480.24	26.082	73.073
480.34	26.084	73.108
480.44	26.086	73.143
480.54	26.088	73.178
480.64	26.09	73.213
480.74	26.091	73.248
480.84	26.093	73.283
480.94	26.095	73.318
481.	26.096	73.339
481.01		73.343
481.02	26.097	73.346
481.05		73.356
481.14	26.099	73.388
481.24	26.101	73.423
481.34	26.102	73.458
481.44	26.104	73.493
481.54	26.106	73.527

481.64	26.108	73.562
481.74	26.11	73.597
481.84	26.112	73.632
481.94	26.114	73.667
482.	26.115	73.688
482.01		73.691
482.02		73.695
482.05	26.116	73.705
482.14	26.117	73.736
482.24	26.119	73.771
482.34	26.121	73.806
482.44	26.123	73.841
482.54	26.125	73.875
482.64	26.126	73.91
482.74	26.128	73.945
482.84	26.13	73.98
482.94	26.132	74.014
483.	26.133	74.035
483.01		74.039
483.02		74.042
483.05	26.134	74.052
483.14	26.136	74.084
483.24	26.138	74.118
483.34	26.139	74.153
483.44	26.141	74.188
483.54	26.143	74.222
483.64	26.145	74.257
483.74	26.147	74.292
483.84	26.149	74.326
483.94	26.15	74.361
484.	26.152	74.382
484.01		74.385
484.02		74.388
484.05		74.399
484.14	26.154	74.43
484.24	26.156	74.465
484.34	26.158	74.499
484.44	26.16	74.534
484.54	26.162	74.568
484.64	26.163	74.603
484.74	26.165	74.637
484.84	26.167	74.672
484.94	26.169	74.706
485.	26.17	74.727
485.01		74.73
485.02		74.734
485.05	26.171	74.744
485.14	26.173	74.775
485.24	26.174	74.81
485.34	26.176	74.844
485.44	26.178	74.879
485.54	26.18	74.913
485.64	26.182	74.947
485.74	26.184	74.982
485.84	26.186	75.016
485.94	26.187	75.051
486.	26.188	75.071
486.01	26.189	75.075
486.02		75.078
486.05		75.088
486.14	26.191	75.119
486.24	26.193	75.154
486.34	26.195	75.188
486.44	26.197	75.222
486.54	26.198	75.257
486.64	26.2	75.291

486.74	26.202	75.325
486.84	26.204	75.36
486.94	26.206	75.394
487.	26.207	75.414
487.01		75.418
487.02		75.421
487.05	26.208	75.432
487.14	26.21	75.462
487.24	26.211	75.497
487.34	26.213	75.531
487.44	26.215	75.565
487.54	26.217	75.599
487.64	26.219	75.633
487.74	26.221	75.668
487.84	26.222	75.702
487.94	26.224	75.736
488.	26.225	75.756
488.01	26.226	75.76
488.02		75.763
488.05		75.774
488.14	26.228	75.804
488.24	26.23	75.838
488.34	26.232	75.873
488.44	26.234	75.907
488.54	26.235	75.941
488.64	26.237	75.975
488.74	26.239	76.009
488.84	26.241	76.043
488.94	26.243	76.077
489.	26.244	76.097
489.01		76.101
489.02		76.104
489.05	26.245	76.114
489.14	26.246	76.145
489.24	26.248	76.179
489.34	26.25	76.213
489.44	26.252	76.247
489.54	26.254	76.281
489.64	26.256	76.315
489.74	26.258	76.349
489.84	26.259	76.383
489.94	26.261	76.417
490.	26.262	76.437
490.01		76.441
490.02	26.263	76.444
490.05		76.454
490.14	26.265	76.485
490.24	26.267	76.518
490.34	26.269	76.552
490.44	26.27	76.586
490.54	26.272	76.62
490.64	26.274	76.654
490.74	26.276	76.688
490.84	26.278	76.722
490.94	26.28	76.755
491.	26.281	76.776
491.01		76.779
491.02		76.782
491.05	26.282	76.793
491.14	26.283	76.823
491.24	26.285	76.857
491.34	26.287	76.891
491.44	26.289	76.924
491.54	26.291	76.958
491.64	26.293	76.992
491.74	26.294	77.026

491.84	26.296	77.059
491.94	26.298	77.093
492.	26.299	77.113
492.01		77.117
492.02	26.3	77.12
492.05		77.13
492.14	26.302	77.16
492.24	26.304	77.194
492.34	26.305	77.228
492.44	26.307	77.261
492.54	26.309	77.295
492.64	26.311	77.329
492.74	26.313	77.362
492.84	26.315	77.396
492.94	26.316	77.429
493.	26.318	77.45
493.01		77.453
493.02		77.456
493.05		77.466
493.14	26.32	77.497
493.24	26.322	77.53
493.34	26.324	77.564
493.44	26.326	77.597
493.54	26.328	77.631
493.64	26.329	77.664
493.74	26.331	77.698
493.84	26.333	77.731
493.94	26.335	77.765
494.	26.336	77.785
494.01		77.788
494.02		77.791
494.05	26.337	77.802
494.14	26.339	77.832
494.24	26.34	77.865
494.34	26.342	77.899
494.44	26.344	77.932
494.54	26.346	77.965
494.64	26.348	77.999
494.74	26.35	78.032
494.84	26.351	78.065
494.94	26.353	78.099
495.	26.354	78.119
495.01	26.355	78.122
495.02		78.126
495.05		78.136
495.14	26.357	78.166
495.24	26.359	78.199
495.34	26.361	78.232
495.44	26.362	78.265
495.54	26.364	78.299
495.64	26.366	78.332
495.74	26.368	78.365
495.84	26.37	78.398
495.94	26.372	78.432
496.	26.373	78.452
496.01		78.455
496.02		78.458
496.05	26.374	78.468
496.14	26.375	78.498
496.24	26.377	78.531
496.34	26.379	78.565
496.44	26.381	78.598
496.54	26.383	78.631
496.64	26.385	78.664
496.74	26.386	78.697
496.84	26.388	78.73

496.94	26.39	78.763
497.	26.391	78.783
497.01		78.787
497.02	26.392	78.79
497.05		78.8
497.14	26.394	78.83
497.24	26.396	78.863
497.34	26.397	78.896
497.44	26.399	78.929
497.54	26.401	78.962
497.64	26.403	78.995
497.74	26.405	79.028
497.84	26.407	79.061
497.94	26.408	79.094
498.	26.41	79.114
498.01		79.117
498.02		79.12
498.05		79.13
498.14	26.412	79.16
498.24	26.414	79.193
498.34	26.416	79.226
498.44	26.418	79.259
498.54	26.419	79.292
498.64	26.421	79.325
498.74	26.423	79.358
498.84	26.425	79.39
498.94	26.427	79.423
499.	26.428	79.443
499.01		79.446
499.02		79.45
499.05	26.429	79.459
499.14	26.43	79.489
499.24	26.432	79.522
499.34	26.434	79.555
499.44	26.436	79.588
499.54	26.438	79.62
499.64	26.44	79.653
499.74	26.441	79.686
499.84	26.443	79.719
499.94	26.445	79.751
500.	26.446	79.771
500.01		79.774
500.02	26.447	79.778
500.05		79.787
500.14	26.449	79.817
500.24	26.451	79.85
500.34	26.452	79.882
500.44	26.454	79.915
500.54	26.456	79.948
500.64	26.458	79.98
500.74	26.46	80.013
500.84	26.462	80.046
500.94	26.463	80.078
501.	26.465	80.098
501.01		80.101
501.02		80.105
501.05		80.114
501.14	26.467	80.144
501.24	26.469	80.176
501.34	26.471	80.209
501.44	26.473	80.241
501.54	26.474	80.274
501.64	26.476	80.307
501.74	26.478	80.339
501.84	26.48	80.372
501.94	26.482	80.404

502.	26.483	80.424
502.01		80.427
502.02		80.43
502.05	26.484	80.44
502.14	26.485	80.469
502.24	26.487	80.502
502.34	26.489	80.534
502.44	26.491	80.567
502.54	26.493	80.599
502.64	26.495	80.631
502.74	26.496	80.664
502.84	26.498	80.696
502.94	26.5	80.729
503.	26.501	80.748
503.01		80.751
503.02	26.502	80.755
503.05		80.764
503.14	26.504	80.793
503.24	26.506	80.826
503.34	26.507	80.858
503.44	26.509	80.89
503.54	26.511	80.923
503.64	26.513	80.955
503.74	26.515	80.987
503.84	26.517	81.02
503.94	26.518	81.052
504.	26.52	81.071
504.01		81.074
504.02		81.078
504.05		81.087
504.14	26.522	81.116
504.24	26.524	81.149
504.34	26.526	81.181
504.44	26.528	81.213
504.54	26.529	81.245
504.64	26.531	81.277
504.74	26.533	81.31
504.84	26.535	81.342
504.94	26.537	81.374
505.	26.538	81.393
505.01		81.396
505.02		81.399
505.05	26.539	81.409
505.14	26.54	81.438
505.24	26.542	81.47
505.34	26.544	81.502
505.44	26.546	81.534
505.54	26.548	81.566
505.64	26.549	81.598
505.74	26.551	81.63
505.84	26.553	81.662
505.94	26.555	81.694
506.	26.556	81.714
506.01		81.717
506.02		81.72
506.05	26.557	81.73
506.14	26.559	81.758
506.24	26.56	81.79
506.34	26.562	81.822
506.44	26.564	81.854
506.54	26.566	81.886
506.64	26.568	81.918
506.74	26.57	81.95
506.84	26.571	81.982
506.94	26.573	82.014
507.	26.574	82.033

507.01	26.575	82.036
507.02		82.039
507.05		82.049
507.14	26.577	82.077
507.24	26.579	82.109
507.34	26.581	82.141
507.44	26.582	82.173
507.54	26.584	82.205
507.64	26.586	82.236
507.74	26.588	82.268
507.84	26.59	82.3
507.94	26.591	82.332
508.	26.593	82.351
508.01		82.354
508.02		82.357
508.05		82.367
508.14	26.595	82.395
508.24	26.597	82.427
508.34	26.599	82.459
508.44	26.601	82.49
508.54	26.602	82.522
508.64	26.604	82.554
508.74	26.606	82.585
508.84	26.608	82.617
508.94	26.61	82.648
509.	26.611	82.667
509.01		82.671
509.02		82.674
509.05	26.612	82.683
509.14	26.613	82.712
509.24	26.615	82.743
509.34	26.617	82.775
509.44	26.619	82.806
509.54	26.621	82.838
509.64	26.622	82.869
509.74	26.624	82.901
509.84	26.626	82.932
509.94	26.628	82.964
510.	26.629	82.983
510.01		82.986
510.02		82.989
510.05	26.63	82.998
510.14	26.632	83.027
510.24	26.633	83.058
510.34	26.635	83.09
510.44	26.637	83.121
510.54	26.639	83.152
510.64	26.641	83.184
510.74	26.642	83.215
510.84	26.644	83.246
510.94	26.646	83.278
511.	26.647	83.297
511.01		83.3
511.02	26.648	83.303
511.05		83.312
511.14	26.65	83.34
511.24	26.652	83.372
511.34	26.653	83.403
511.44	26.655	83.434
511.54	26.657	83.466
511.64	26.659	83.497
511.74	26.661	83.528
511.84	26.662	83.559
511.94	26.664	83.591
512.	26.665	83.609
512.01		83.612

512.02	26.666	83.616
512.05		83.625
512.14	26.668	83.653
512.24	26.67	83.684
512.34	26.672	83.715
512.44	26.673	83.747
512.54	26.675	83.778
512.64	26.677	83.809
512.74	26.679	83.84
512.84	26.681	83.871
512.94	26.682	83.902
513.	26.683	83.921
513.01	26.684	83.924
513.02		83.927
513.05		83.936
513.14	26.686	83.964
513.24	26.688	83.995
513.34	26.69	84.026
513.44	26.691	84.057
513.54	26.693	84.088
513.64	26.695	84.119
513.74	26.697	84.15
513.84	26.699	84.181
513.94	26.701	84.212
514.	26.702	84.231
514.01		84.234
514.02		84.237
514.05	26.703	84.246
514.14	26.704	84.274
514.24	26.706	84.305
514.34	26.708	84.336
514.44	26.71	84.367
514.54	26.711	84.398
514.64	26.713	84.429
514.74	26.715	84.459
514.84	26.717	84.49
514.94	26.719	84.521
515.	26.72	84.54
515.01		84.543
515.02		84.546
515.05	26.721	84.555
515.14	26.722	84.583
515.24	26.724	84.614
515.34	26.726	84.644
515.44	26.728	84.675
515.54	26.73	84.706
515.64	26.731	84.737
515.74	26.733	84.767
515.84	26.735	84.798
515.94	26.737	84.829
516.	26.738	84.847
516.01		84.85
516.02		84.853
516.05	26.739	84.862
516.14	26.74	84.89
516.24	26.742	84.921
516.34	26.744	84.951
516.44	26.746	84.982
516.54	26.748	85.013
516.64	26.749	85.043
516.74	26.751	85.074
516.84	26.753	85.104
516.94	26.755	85.135
517.	26.756	85.153
517.01		85.156
517.02		85.159

517.05	26.757	85.169
517.14	26.758	85.196
517.24	26.76	85.227
517.34	26.762	85.257
517.44	26.764	85.288
517.54	26.766	85.318
517.64	26.767	85.349
517.74	26.769	85.379
517.84	26.771	85.41
517.94	26.773	85.44
518.		85.458
518.01	26.774	85.461
518.02		85.464
518.05	26.775	85.474
518.14	26.777	85.501
518.24	26.778	85.531
518.34	26.78	85.562
518.44	26.782	85.592
518.54	26.784	85.623
518.64	26.786	85.653
518.74	26.787	85.683
518.84	26.789	85.714
518.94	26.791	85.744
519.		85.762
519.01	26.792	85.765
519.02		85.768
519.05	26.793	85.777
519.14	26.795	85.805
519.24	26.796	85.835
519.34	26.798	85.865
519.44	26.8	85.895
519.54	26.802	85.926
519.64	26.804	85.956
519.74	26.805	85.986
519.84	26.807	86.016
519.94	26.809	86.047
520.		86.065
520.01	26.81	86.068
520.02		86.071
520.05	26.811	86.08
520.14	26.813	86.107
520.24	26.814	86.137
520.34	26.816	86.167
520.44	26.818	86.197
520.54	26.82	86.227
520.64	26.822	86.258
520.74	26.823	86.288
520.84	26.825	86.318
520.94	26.827	86.348
521.		86.366
521.01	26.828	86.369
521.02		86.372
521.05	26.829	86.381
521.14	26.831	86.408
521.24	26.832	86.438
521.34	26.834	86.468
521.44	26.836	86.498
521.54	26.838	86.528
521.64	26.84	86.558
521.74	26.841	86.588
521.84	26.843	86.618
521.94	26.845	86.648
522.		86.666
522.01	26.846	86.669
522.02		86.672
522.05	26.847	86.681

522.14	26.849	86.708
522.24	26.85	86.738
522.34	26.852	86.768
522.44	26.854	86.798
522.54	26.856	86.827
522.64	26.858	86.857
522.74	26.859	86.887
522.84	26.861	86.917
522.94	26.863	86.947
523.		86.965
523.01	26.864	86.968
523.02		86.971
523.05	26.865	86.98
523.14	26.867	87.006
523.24	26.868	87.036
523.34	26.87	87.066
523.44	26.872	87.096
523.54	26.874	87.126
523.64	26.876	87.155
523.74	26.877	87.185
523.84	26.879	87.215
523.94	26.881	87.244
524.		87.262
524.01	26.882	87.265
524.02		87.268
524.05	26.883	87.277
524.14	26.885	87.304
524.24	26.886	87.333
524.34	26.888	87.363
524.44	26.89	87.393
524.54	26.892	87.422
524.64	26.894	87.452
524.74	26.895	87.482
524.84	26.897	87.511
524.94	26.899	87.541
525.		87.559
525.01	26.9	87.561
525.02		87.564
525.05	26.901	87.573
525.14	26.902	87.6
525.24	26.904	87.629
525.34	26.906	87.659
525.44	26.908	87.689
525.54	26.91	87.718
525.64	26.911	87.748
525.74	26.913	87.777
525.84	26.915	87.806
525.94	26.917	87.836
526.		87.854
526.01	26.918	87.857
526.02		87.86
526.05	26.919	87.868
526.14	26.92	87.895
526.24	26.922	87.924
526.34	26.924	87.954
526.44	26.926	87.983
526.54	26.928	88.012
526.64	26.929	88.042
526.74	26.931	88.071
526.84	26.933	88.101
526.94	26.935	88.13
527.		88.148
527.01	26.936	88.15
527.02		88.153
527.05	26.937	88.162
527.14	26.938	88.189

527.24	26.94	88.218
527.34	26.942	88.247
527.44	26.944	88.276
527.54	26.945	88.306
527.64	26.947	88.335
527.74	26.949	88.364
527.84	26.951	88.393
527.94	26.953	88.423
528.	26.954	88.44
528.01		88.443
528.02		88.446
528.05	26.955	88.455
528.14	26.956	88.481
528.24	26.958	88.51
528.34	26.96	88.539
528.44	26.962	88.569
528.54	26.963	88.598
528.64	26.965	88.627
528.74	26.967	88.656
528.84	26.969	88.685
528.94	26.971	88.714
529.	26.972	88.732
529.01		88.735
529.02		88.737
529.05		88.746
529.14	26.974	88.772
529.24	26.976	88.801
529.34	26.978	88.83
529.44	26.979	88.859
529.54	26.981	88.889
529.64	26.983	88.918
529.74	26.985	88.947
529.84	26.987	88.976
529.94	26.988	89.005
530.	26.989	89.022
530.01	26.99	89.025
530.02		89.028
530.05		89.036
530.14	26.992	89.062
530.24	26.994	89.091
530.34	26.996	89.12
530.44	26.997	89.149
530.54	26.999	89.178
530.64	27.001	89.207
530.74	27.003	89.236
530.84	27.004	89.265
530.94	27.006	89.294
531.	27.007	89.311
531.01		89.314
531.02	27.008	89.317
531.05		89.325
531.14	27.01	89.351
531.24	27.012	89.38
531.34	27.013	89.409
531.44	27.015	89.438
531.54	27.017	89.467
531.64	27.019	89.495
531.74	27.02	89.524
531.84	27.022	89.553
531.94	27.024	89.582
532.	27.025	89.599
532.01		89.602
532.02		89.605
532.05	27.026	89.613
532.14	27.028	89.639
532.24	27.029	89.668

532.34	27.031	89.696
532.44	27.033	89.725
532.54	27.035	89.754
532.64	27.037	89.782
532.74	27.038	89.811
532.84	27.04	89.84
532.94	27.042	89.868
533.	27.043	89.885
533.01		89.888
533.02		89.891
533.05	27.044	89.9
533.14	27.045	89.925
533.24	27.047	89.954
533.34	27.049	89.983
533.44	27.051	90.011
533.54	27.053	90.04
533.64	27.054	90.068
533.74	27.056	90.097
533.84	27.058	90.125
533.94	27.06	90.154
534.	27.061	90.171
534.01		90.174
534.02		90.177
534.05	27.062	90.185
534.14	27.063	90.211
534.24	27.065	90.239
534.34	27.067	90.268
534.44	27.069	90.296
534.54	27.07	90.325
534.64	27.072	90.353
534.74	27.074	90.381
534.84	27.076	90.41
534.94	27.077	90.438
535.	27.078	90.455
535.01	27.079	90.458
535.02		90.461
535.05		90.469
535.14	27.081	90.495
535.24	27.083	90.523
535.34	27.085	90.552
535.44	27.086	90.58
535.54	27.088	90.608
535.64	27.09	90.636
535.74	27.092	90.665
535.84	27.093	90.693
535.94	27.095	90.721
536.	27.096	90.738
536.01		90.741
536.02	27.097	90.744
536.05		90.752
536.14	27.099	90.778
536.24	27.101	90.806
536.34	27.102	90.834
536.44	27.104	90.862
536.54	27.106	90.891
536.64	27.108	90.919
536.74	27.109	90.947
536.84	27.111	90.975
536.94	27.113	91.003
537.	27.114	91.02
537.01		91.023
537.02		91.026
537.05	27.115	91.034
537.14	27.116	91.06
537.24	27.118	91.088
537.34	27.12	91.116

537.44	27.122	91.144
537.54	27.124	91.172
537.64	27.125	91.2
537.74	27.127	91.228
537.84	27.129	91.256
537.94	27.131	91.284
538.	27.132	91.301
538.01		91.304
538.02		91.306
538.05	27.133	91.315
538.14	27.134	91.34
538.24	27.136	91.368
538.34	27.138	91.396
538.44	27.14	91.424
538.54	27.141	91.452
538.64	27.143	91.48
538.74	27.145	91.508
538.84	27.147	91.536
538.94	27.148	91.564
539.	27.149	91.58
539.01	27.15	91.583
539.02		91.586
539.05		91.594
539.14	27.152	91.619
539.24	27.154	91.647
539.34	27.155	91.675
539.44	27.157	91.703
539.54	27.159	91.731
539.64	27.161	91.759
539.74	27.163	91.787
539.84	27.164	91.814
539.94	27.166	91.842
540.	27.167	91.859
540.01		91.862
540.02		91.864
540.05	27.168	91.873
540.14	27.17	91.898
540.24	27.171	91.925
540.34	27.173	91.953
540.44	27.175	91.981
540.54	27.177	92.009
540.64	27.178	92.036
540.74	27.18	92.064
540.84	27.182	92.092
540.94	27.184	92.119
541.	27.185	92.136
541.01		92.139
541.02		92.142
541.05	27.186	92.15
541.14	27.187	92.175
541.24	27.189	92.202
541.34	27.191	92.23
541.44	27.193	92.258
541.54	27.194	92.285
541.64	27.196	92.313
541.74	27.198	92.34
541.84	27.2	92.368
541.94	27.201	92.396
542.	27.202	92.412
542.01	27.203	92.415
542.02		92.418
542.05		92.426
542.14	27.205	92.451
542.24	27.207	92.478
542.34	27.208	92.506
542.44	27.21	92.533

542.54	27.212	92.561
542.64	27.214	92.588
542.74	27.216	92.616
542.84	27.217	92.643
542.94	27.219	92.67
543.	27.22	92.687
543.01		92.69
543.02		92.692
543.05	27.221	92.701
543.14	27.223	92.725
543.24	27.224	92.753
543.34	27.226	92.78
543.44	27.228	92.808
543.54	27.23	92.835
543.64	27.231	92.862
543.74	27.233	92.89
543.84	27.235	92.917
543.94	27.237	92.944
544.	27.238	92.961
544.01		92.963
544.02		92.966
544.05	27.239	92.974
544.14	27.24	92.999
544.24	27.242	93.026
544.34	27.244	93.053
544.44	27.245	93.081
544.54	27.247	93.108
544.64	27.249	93.135
544.74	27.251	93.162
544.84	27.253	93.19
544.94	27.254	93.217
545.	27.255	93.233
545.01	27.256	93.236
545.02		93.239
545.05		93.247
545.14	27.258	93.271
545.24	27.26	93.298
545.34	27.261	93.326
545.44	27.263	93.353
545.54	27.265	93.38
545.64	27.267	93.407
545.74	27.268	93.434
545.84	27.27	93.461
545.94	27.272	93.488
546.	27.273	93.505
546.01		93.507
546.02		93.51
546.05	27.274	93.518
546.14	27.275	93.542
546.24	27.277	93.569
546.34	27.279	93.597
546.44	27.281	93.624
546.54	27.282	93.651
546.64	27.284	93.678
546.74	27.286	93.705
546.84	27.288	93.732
546.94	27.289	93.759
547.	27.291	93.775
547.01		93.777
547.02		93.78
547.05		93.788
547.14	27.293	93.812
547.24	27.295	93.839
547.34	27.296	93.866
547.44	27.298	93.893
547.54	27.3	93.92

547.64	27.302	93.947
547.74	27.304	93.974
547.84	27.305	94.001
547.94	27.307	94.028
548.	27.308	94.044
548.01		94.046
548.02		94.049
548.05	27.309	94.057
548.14	27.311	94.081
548.24	27.312	94.108
548.34	27.314	94.135
548.44	27.316	94.162
548.54	27.318	94.189
548.64	27.319	94.215
548.74	27.321	94.242
548.84	27.323	94.269
548.94	27.325	94.296
549.	27.326	94.312
549.01		94.314
549.02		94.317
549.05	27.327	94.325
549.14	27.328	94.349
549.24	27.33	94.376
549.34	27.332	94.403
549.44	27.333	94.429
549.54	27.335	94.456
549.64	27.337	94.483
549.74	27.339	94.509
549.84	27.34	94.536
549.94	27.342	94.562
550.	27.343	94.578
550.5	27.352	94.711
551.	27.361	94.844
552.5	27.387	95.24
557.	27.465	96.414
562.	27.552	97.69
567.	27.639	98.939
572.	27.725	100.16
577.	27.811	101.36
582.	27.897	102.53
587.	27.983	103.67
592.	28.068	104.79
597.	28.153	105.89
600.	28.203	106.53
606.	28.305	107.8
612.	28.406	109.03
630.	28.711	112.54
684.	29.63	120.56
738.	30.564	126.87
798.	31.626	132.19
858.	32.706	136.16
918.	33.795	139.05
978.	34.879	141.08
1038.	35.948	142.43
1098.	36.987	143.24
1158.	37.987	143.62
1200.	38.662	143.71
1212.	38.854	143.74
1224.	39.043	143.75
1260.	39.591	143.64
1296.	40.118	143.45
1404.	41.504	142.3
1512.	42.676	140.75
1632.	43.727	138.68
1752.	44.542	136.36
1872.	45.145	133.87

1992.	45.561	131.25
2112.	45.816	128.55
2232.	45.933	125.79
2352.	45.935	122.99
2400.	45.917	121.85
2412.	45.911	121.57
2424.	45.905	121.29
2460.	45.878	120.48
2568.	45.732	117.94
2676.	45.532	115.42
2796.	45.26	112.65
2916.	44.946	109.92
3036.	44.602	107.23
3156.	44.236	104.59
3276.	43.853	102.01
3396.	43.46	99.479
3516.	43.061	97.011
3600.	42.779	95.3
3612.	42.739	95.057
3624.	42.699	94.816
3660.	42.578	94.118
3768.	42.217	92.008
3876.	41.859	89.95
3996.	41.466	87.734
4116.	41.079	85.58
4236.	40.7	83.489
4356.	40.329	81.46
4476.	39.967	79.492
4596.	39.613	77.583
4716.	39.269	75.733
4800.	39.032	74.458
4812.	38.998	74.277
4824.	38.965	74.097
4860.	38.865	73.576
4968.	38.573	72.014
5076.	38.288	70.497
5196.	37.981	68.868
5316.	37.683	67.29
5436.	37.394	65.763
5556.	37.113	64.284
5676.	36.841	62.853
5796.	36.577	61.467
5916.	36.32	60.126
6000.	36.144	59.204
6012.	36.119	59.073
6024.	36.094	58.943
6060.	36.02	58.564
6168.	35.803	57.436
6276.	35.592	56.34
6396.	35.365	55.164
6516.	35.144	54.027
6636.	34.929	52.926
6756.	34.72	51.86
6876.	34.518	50.83
6996.	34.32	49.833
7116.	34.129	48.868
7200.	33.997	48.205

FIGURE 23
Model (K4) > Transient Thermal (K5) > Solution (K6) > Permacon T

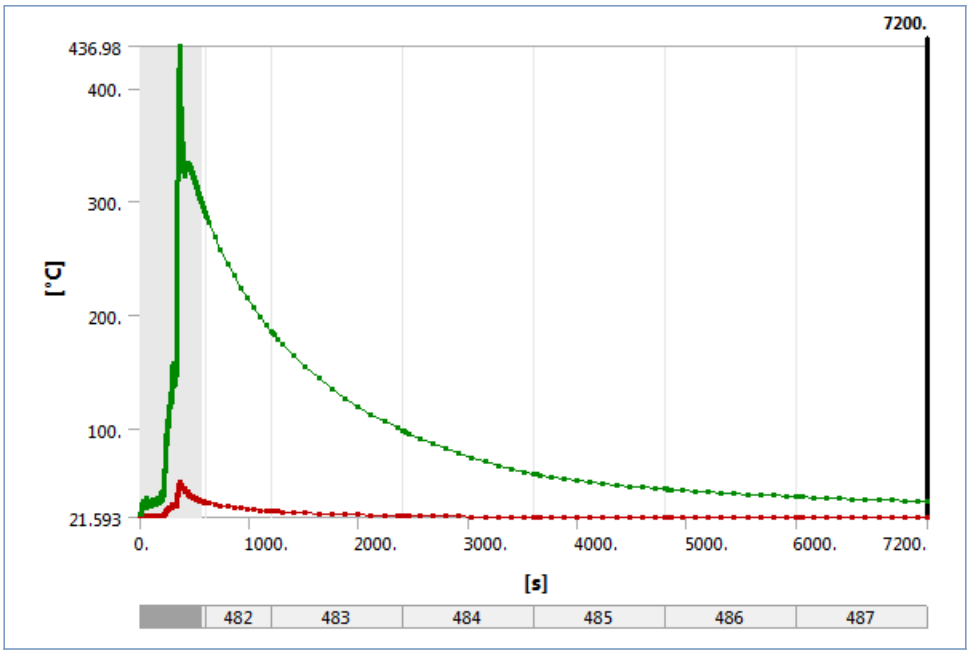


TABLE 31
Model (K4) > Transient Thermal (K5) > Solution (K6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.995	23.985
4.e-002	22.747	24.027
0.1	22.575	24.039
0.28	22.478	24.032
0.48	22.446	
0.68	22.432	24.037
0.88	22.423	24.039
1.08	22.418	24.04
1.28	22.413	
1.48	22.41	
1.68	22.408	24.039
1.88	22.406	24.038
2.	22.405	
2.02		
2.04		24.037
2.1		
2.28	22.404	24.036
2.48	22.403	24.035
2.68	22.402	24.033
2.88	22.401	24.032
3.08		24.03
3.28		24.028
3.48	22.4	24.027
3.68		24.025
3.88		24.024
4.		24.023
4.02		24.022
4.04		
4.1	22.399	
4.28		24.02
4.48		24.019
4.68		24.017
4.88		24.015
5.08		24.014
5.28		24.012
5.48		24.01
5.68		24.009
5.88		24.007

6.	22.398	24.006
6.02		
6.04		
6.1		24.005
6.28		
6.48	22.397	24.004
6.68		
6.88		
7.08		
7.28		
7.48		
7.68	22.396	
7.88		
8.		
8.02		
8.04		
8.1		
8.28		24.003
8.48		
8.68	22.395	
8.88		
9.08		
9.28		24.002
9.48	22.394	
9.68		
9.88		
10.		24.001
10.02		
10.04		
10.1		
10.28	22.393	
10.48		
10.68		
10.88		24.
11.08	22.392	
11.28		
11.48		23.999
11.68	22.391	
11.88		
12.		23.998
12.02		
12.04		
12.1		
12.28	22.39	
12.48		23.997
12.68		
12.88	22.389	
13.08		23.996
13.28		
13.48	22.388	23.995
13.68		
13.88	22.387	23.994
14.		
14.02		
14.04		
14.1		
14.22		
14.329		24.032
14.438		24.169
14.638	22.389	24.494
14.838	22.391	24.873
15.038	22.395	25.325
15.238	22.4	25.823
15.438	22.408	26.364
15.638	22.418	26.943
15.838	22.429	27.56

16.	22.44	28.081
16.02	22.442	28.143
16.04	22.443	28.204
16.1	22.447	28.374
16.28	22.462	28.818
16.48	22.481	29.258
16.68	22.5	29.661
16.88	22.521	30.034
17.08	22.543	30.384
17.28	22.566	30.715
17.48	22.589	31.031
17.68	22.613	31.332
17.88	22.637	31.622
18.	22.651	31.791
18.02	22.653	31.819
18.04	22.656	31.847
18.1	22.663	31.925
18.28	22.684	32.137
18.48	22.708	32.35
18.68	22.731	32.543
18.88	22.753	32.721
19.08	22.776	32.883
19.28	22.797	33.032
19.48	22.818	33.169
19.68	22.838	33.294
19.88	22.858	33.408
20.	22.869	33.473
20.02	22.871	33.482
20.04	22.873	33.49
20.1	22.878	33.5
20.28	22.894	33.456
20.48	22.911	33.338
20.68	22.926	33.162
20.88	22.939	32.936
21.08	22.951	32.666
21.28	22.96	32.356
21.48	22.968	32.01
21.68	22.973	31.628
21.88	22.976	31.215
22.	22.977	30.955
22.02		30.915
22.04		30.878
22.1		30.79
22.28	22.976	30.653
22.48	22.974	30.609
22.68	22.97	30.648
22.88	22.967	30.754
23.08	22.963	30.917
23.28	22.959	31.13
23.48	22.957	31.387
23.68	22.955	31.684
23.88		32.016
24.	22.956	32.228
24.02		32.262
24.04		32.295
24.1		32.384
24.28	22.958	32.601
24.48	22.962	32.805
24.68	22.967	32.984
24.88	22.973	33.143
25.08	22.979	33.286
25.28	22.986	33.418
25.48	22.994	33.539
25.68	23.002	33.651
25.88	23.01	33.756
26.		33.816

26.02	23.015	33.826
26.04	23.016	33.836
26.1	23.019	33.865
26.28	23.026	33.949
26.48	23.034	34.037
26.68	23.042	34.121
26.88	23.05	34.201
27.08	23.058	34.277
27.28	23.066	34.35
27.48	23.073	34.419
27.68	23.08	34.486
27.88	23.088	34.549
28.	23.092	34.587
28.02		34.593
28.04	23.093	34.599
28.1	23.095	34.618
28.28	23.101	34.672
28.48	23.108	34.732
28.68	23.114	34.79
28.88	23.121	34.847
29.08	23.127	34.902
29.28	23.132	34.955
29.48	23.138	35.008
29.68	23.144	35.058
29.88	23.149	35.108
30.	23.152	35.137
30.02	23.153	35.142
30.04		35.147
30.1	23.155	35.161
30.28	23.16	35.204
30.48	23.165	35.251
30.68	23.169	35.297
30.88	23.174	35.341
31.08	23.179	35.385
31.28	23.183	35.428
31.48	23.188	35.469
31.68	23.192	35.51
31.88	23.196	35.55
32.	23.199	35.574
32.02		35.576
32.04		35.578
32.1	23.201	35.572
32.28	23.204	35.501
32.48	23.207	35.371
32.68	23.21	35.2
32.88	23.212	34.994
33.08		34.758
33.28		34.494
33.48	23.211	34.204
33.68	23.208	33.891
33.88	23.204	33.557
34.	23.201	33.348
34.02	23.2	33.316
34.04		33.286
34.1	23.198	33.213
34.28	23.192	33.093
34.48	23.185	33.044
34.68	23.177	33.059
34.88	23.17	33.127
35.08	23.162	33.24
35.28	23.156	33.392
35.48	23.15	33.579
35.68	23.145	33.798
35.88	23.141	34.047
36.	23.14	34.205
36.02		34.229

36.04	23.139	34.251
36.1		34.3
36.28	23.137	34.355
36.48		34.336
36.68		34.258
36.88		34.132
37.08		33.964
37.28		33.761
37.48	23.136	33.526
37.68	23.134	33.262
37.88	23.131	32.972
38.	23.129	32.788
38.02	23.128	32.76
38.04		32.734
38.1	23.127	32.673
38.28	23.122	32.58
38.48	23.117	32.555
38.68	23.111	32.59
38.88	23.106	32.673
39.08	23.1	32.798
39.28	23.095	32.96
39.48	23.091	33.153
39.68	23.088	33.375
39.88	23.087	33.625
40.	23.086	33.784
40.02		33.809
40.04		33.833
40.1		33.9
40.28		34.066
40.48	23.088	34.224
40.68	23.091	34.364
40.88	23.094	34.491
41.08	23.098	34.607
41.28	23.103	34.716
41.48	23.108	34.817
41.68	23.113	34.913
41.88	23.119	35.004
42.	23.123	35.057
42.02		35.066
42.04	23.124	35.075
42.1	23.126	35.101
42.28	23.131	35.178
42.48	23.137	35.26
42.68	23.144	35.341
42.88	23.15	35.419
43.08	23.156	35.495
43.28	23.163	35.57
43.48	23.169	35.644
43.68	23.175	35.716
43.88	23.182	35.787
44.	23.186	35.83
44.02		35.835
44.04	23.187	35.84
44.1	23.189	35.843
44.28	23.194	35.796
44.48	23.2	35.691
44.68	23.205	35.545
44.88	23.209	35.362
45.08	23.212	35.148
45.28	23.214	34.905
45.48	23.215	34.637
45.68		34.345
45.88	23.213	34.03
46.	23.211	33.834
46.02		33.802
46.04		33.771

46.1	23.21	33.687
46.28	23.206	33.473
46.48	23.2	33.268
46.68	23.194	33.085
46.88	23.186	32.918
47.08	23.178	32.766
47.28	23.17	32.634
47.48	23.161	32.523
47.68	23.152	32.417
47.88	23.143	32.317
48.	23.137	32.259
48.02	23.136	32.25
48.04	23.135	32.24
48.1	23.133	32.212
48.28	23.124	32.131
48.48	23.115	32.044
48.68	23.106	31.961
48.88	23.097	31.881
49.08	23.088	31.804
49.28	23.079	31.73
49.48	23.071	31.658
49.68	23.062	31.589
49.88	23.054	31.521
50.	23.049	31.482
50.02		31.475
50.04	23.048	31.469
50.1	23.045	31.449
50.28	23.038	31.392
50.48	23.031	31.33
50.68	23.023	31.27
50.88	23.016	31.212
51.08	23.009	31.154
51.28	23.002	31.099
51.48	22.995	31.044
51.68	22.989	30.991
51.88	22.982	30.939
52.	22.978	30.908
52.02		30.903
52.04	22.977	30.898
52.1	22.975	30.882
52.28	22.97	30.837
52.48	22.964	30.788
52.68	22.958	30.74
52.88	22.952	30.693
53.08	22.947	30.647
53.28	22.942	30.602
53.48	22.936	30.557
53.68	22.931	30.513
53.88	22.926	30.47
54.	22.924	30.445
54.02	22.923	30.442
54.04		30.441
54.1	22.921	30.447
54.22	22.918	30.489
54.42	22.914	30.615
54.606	22.911	30.771
54.792	22.909	30.958
54.992	22.907	31.191
55.192		31.451
55.392		31.737
55.592	22.91	32.046
55.792	22.913	32.377
55.896	22.916	32.555
56.	22.919	32.739
56.02		32.773
56.04	22.92	32.806

56.1	22.922	32.896
56.28	22.928	33.122
56.48	22.937	33.34
56.68	22.947	33.536
56.88	22.958	33.715
57.08	22.969	33.881
57.28	22.981	34.051
57.48	22.993	34.219
57.68	23.006	34.378
57.88	23.019	34.53
58.	23.026	34.618
58.02	23.028	34.634
58.04	23.029	34.652
58.1	23.033	34.714
58.28	23.045	34.958
58.48	23.058	35.28
58.68	23.072	35.643
58.88	23.087	36.04
59.08	23.102	36.467
59.28	23.119	36.92
59.48	23.137	37.398
59.68	23.155	37.898
59.88	23.175	38.42
60.	23.188	38.74
60.02	23.19	38.789
60.04	23.192	38.834
60.1	23.198	38.939
60.28	23.218	39.085
60.48	23.24	39.095
60.68	23.262	38.986
60.88	23.282	38.778
61.08	23.301	38.485
61.28	23.318	38.117
61.48	23.333	37.68
61.68	23.344	37.18
61.861	23.353	36.682
62.	23.357	36.27
62.02	23.358	36.215
62.04	23.359	36.164
62.1	23.36	36.036
62.28	23.363	35.798
62.48	23.364	35.656
62.68	23.363	35.604
62.88	23.361	35.625
63.08	23.358	35.705
63.28	23.355	35.837
63.48	23.352	36.015
63.68	23.35	36.232
63.88	23.349	36.486
64.	23.348	36.651
64.02		36.675
64.04		36.698
64.1		36.747
64.28	23.349	36.794
64.48	23.35	36.762
64.68	23.352	36.666
64.88	23.353	36.518
65.08	23.354	36.326
65.28	23.355	36.096
65.48		35.831
65.68	23.353	35.536
65.88	23.351	35.213
66.	23.349	35.009
66.02		34.976
66.04	23.348	34.944
66.1	23.347	34.858

66.28	23.343	34.64
66.48	23.337	34.439
66.68	23.33	34.284
66.88	23.322	34.144
67.08	23.314	34.016
67.28	23.305	33.897
67.48	23.296	33.786
67.68	23.286	33.682
67.88	23.277	33.583
68.	23.271	33.525
68.02	23.27	33.516
68.04	23.269	33.506
68.1	23.266	33.479
68.28	23.258	33.398
68.48	23.248	33.313
68.68	23.239	33.231
68.88	23.229	33.152
69.08	23.22	33.076
69.28	23.211	33.003
69.48	23.202	32.932
69.68	23.193	32.864
69.88	23.185	32.797
70.	23.18	32.758
70.02	23.179	32.753
70.04	23.178	32.75
70.1	23.176	
70.239	23.17	32.789
70.439	23.163	32.903
70.632	23.156	33.055
70.826	23.151	33.242
71.026	23.146	33.468
71.226	23.143	33.722
71.426	23.141	34.002
71.626		34.307
71.826	23.142	34.634
72.	23.145	34.936
72.02		34.967
72.04		34.996
72.1	23.146	35.065
72.28	23.151	35.166
72.48	23.156	35.191
72.68	23.163	35.152
72.88	23.169	35.062
73.08	23.175	34.93
73.28	23.181	34.761
73.48	23.185	34.56
73.68	23.189	34.328
73.848	23.191	34.115
74.	23.193	33.906
74.02		33.88
74.04		33.855
74.1		33.788
74.28		33.628
74.48	23.192	33.481
74.68	23.189	33.355
74.88	23.186	33.242
75.08	23.182	33.14
75.28	23.177	33.046
75.48	23.172	32.958
75.68	23.167	32.876
75.88	23.161	32.798
76.	23.157	32.753
76.02		32.747
76.04	23.156	32.743
76.1	23.155	32.74
76.22	23.151	32.768

76.42	23.146	32.874
76.596	23.141	33.006
76.773	23.137	33.17
76.973	23.134	33.39
77.173	23.131	33.64
77.373		33.919
77.573		34.224
77.773	23.133	34.552
77.886	23.135	34.746
78.	23.137	34.948
78.02		34.981
78.04	23.138	35.01
78.1	23.139	35.081
78.28	23.145	35.185
78.48	23.151	35.212
78.68	23.158	35.174
78.88	23.166	35.084
79.08	23.173	34.952
79.28	23.179	34.781
79.48	23.185	34.578
79.68	23.19	34.344
79.845	23.192	34.132
80.	23.194	33.916
80.02		33.89
80.04	23.195	33.864
80.1		33.797
80.28	23.196	33.636
80.48	23.195	33.49
80.68	23.193	33.363
80.88	23.19	33.251
81.08	23.187	33.15
81.28	23.182	33.057
81.48	23.178	32.971
81.68	23.173	32.89
81.88	23.167	32.814
82.	23.164	32.77
82.02	23.163	32.762
82.04		32.755
82.1	23.161	32.734
82.28	23.156	32.672
82.48	23.15	32.607
82.68	23.144	32.545
82.88	23.139	32.485
83.08	23.133	32.428
83.28	23.127	32.373
83.48	23.122	32.319
83.68	23.116	32.267
83.88	23.111	32.217
84.	23.107	32.188
84.02		32.183
84.04	23.106	32.178
84.1	23.105	32.164
84.28	23.1	32.121
84.48	23.095	32.076
84.68	23.09	32.031
84.88	23.085	31.988
85.08	23.08	31.946
85.28	23.076	31.904
85.48	23.071	31.864
85.68	23.067	31.825
85.88	23.062	31.787
86.	23.06	31.764
86.02	23.059	31.76
86.04		31.756
86.1	23.058	31.745
86.28	23.054	31.712

86.48	23.05	31.686
86.68	23.046	31.682
86.88	23.042	31.679
87.08	23.038	31.675
87.28	23.035	31.671
87.48	23.031	31.668
87.68	23.027	31.664
87.88	23.024	31.661
88.	23.022	31.658
88.02		
88.04	23.021	
88.1	23.02	31.657
88.28	23.017	31.654
88.48	23.014	31.65
88.68	23.011	31.647
88.88	23.008	31.644
89.08	23.005	31.64
89.28	23.002	31.637
89.48	22.999	31.634
89.68	22.997	31.63
89.88	22.994	31.627
90.	22.992	31.625
90.02		
90.04		
90.1	22.991	31.624
90.28	22.989	31.621
90.48	22.986	31.618
90.68	22.984	31.615
90.88	22.981	31.612
91.08	22.979	31.608
91.28	22.977	31.605
91.48	22.974	31.602
91.68	22.972	31.599
91.88	22.97	31.596
92.	22.969	31.595
92.02	22.968	31.594
92.04		
92.1		31.593
92.28	22.966	31.591
92.48	22.964	31.588
92.68	22.962	31.585
92.88	22.96	31.582
93.08	22.958	31.579
93.28	22.956	31.576
93.48	22.954	31.573
93.68	22.952	31.571
93.88	22.95	31.568
94.	22.949	31.566
94.02		
94.04		
94.1	22.948	31.565
94.28	22.947	31.562
94.48	22.945	31.56
94.68	22.944	31.557
94.88	22.942	31.554
95.08	22.94	31.552
95.28	22.939	31.549
95.48	22.937	31.546
95.68	22.936	31.544
95.88	22.934	31.541
96.	22.933	31.539
96.02		
96.04		
96.1		31.538
96.22	22.932	31.552
96.42		31.594

96.604	22.931	31.642
96.788		31.697
96.988	22.933	31.764
97.188	22.935	31.839
97.388	22.939	32.064
97.588	22.945	32.43
97.788	22.952	32.821
97.894	22.956	33.034
98.	22.961	33.254
98.02	22.962	33.293
98.04	22.963	33.328
98.1	22.966	33.414
98.28	22.975	33.557
98.48	22.987	33.62
98.68	22.999	33.613
98.88	23.011	33.55
99.08	23.023	33.44
99.28	23.034	33.29
99.48	23.044	33.103
99.68	23.052	32.883
99.83	23.058	32.701
99.915	23.061	32.592
100.	23.063	32.478
100.02	23.064	32.453
100.04	23.065	32.429
100.1	23.066	32.365
100.28	23.07	32.218
100.48	23.072	32.088
100.68	23.074	32.018
100.88		32.009
101.08	23.073	32.002
101.28	23.072	31.996
101.48	23.07	31.992
101.68	23.067	31.988
101.88	23.064	31.984
102.	23.063	31.982
102.02	23.062	31.981
102.04		
102.1	23.061	31.98
102.28	23.058	31.976
102.48	23.054	31.973
102.68	23.051	31.969
102.88	23.047	31.966
103.08	23.043	31.962
103.28	23.04	31.959
103.48	23.036	31.956
103.68	23.032	31.952
103.88	23.029	31.949
104.	23.026	31.947
104.02		
104.04		31.946
104.1	23.025	31.945
104.28	23.021	31.943
104.48	23.018	31.939
104.68	23.014	31.936
104.88	23.011	31.933
105.08	23.008	31.93
105.28	23.004	31.927
105.48	23.001	31.924
105.68	22.998	31.921
105.88	22.995	31.918
106.	22.993	31.916
106.02		
106.04		31.915
106.1	22.992	31.914
106.28	22.989	31.912

106.48	22.986	31.909
106.68	22.984	31.906
106.88	22.981	31.903
107.08	22.978	31.9
107.28	22.976	31.897
107.48	22.973	31.894
107.68	22.971	31.892
107.88	22.968	31.889
108.	22.967	31.887
108.02		
108.04		
108.1	22.966	31.886
108.22	22.965	31.903
108.42	22.963	31.953
108.61	22.962	32.01
108.79		32.075
108.99	22.963	32.154
109.19	22.966	32.241
109.39	22.97	32.471
109.59	22.976	32.9
109.79	22.984	33.356
109.9	22.989	33.599
110.	22.994	33.848
110.02	22.995	33.895
110.04	22.996	33.94
110.1	22.999	34.064
110.28	23.01	34.375
110.48	23.024	34.674
110.68	23.039	34.941
110.88	23.056	35.185
111.08	23.073	35.443
111.28	23.09	35.685
111.48	23.108	35.911
111.68	23.126	36.123
111.88	23.145	36.324
112.	23.155	36.44
112.02	23.157	36.458
112.04	23.159	36.474
112.1	23.165	36.508
112.28	23.18	36.531
112.48	23.198	36.483
112.68	23.214	36.374
112.88	23.228	36.213
113.08	23.242	36.007
113.28	23.253	35.759
113.48	23.263	35.473
113.68	23.271	35.152
113.87	23.276	34.823
114.	23.279	34.575
114.02	23.28	34.539
114.04		34.505
114.1	23.281	34.411
114.28	23.283	34.184
114.48		33.987
114.68	23.281	33.833
114.88	23.278	33.698
115.08	23.274	33.577
115.28	23.27	33.467
115.48	23.264	33.367
115.68	23.258	33.274
115.88	23.252	33.187
116.	23.248	33.137
116.02	23.247	33.129
116.04		33.121
116.1	23.245	33.097
116.28	23.239	33.028

116.48	23.232	32.957
116.68	23.225	32.938
116.88	23.218	32.934
117.08	23.211	32.93
117.28	23.204	32.925
117.48	23.197	32.921
117.68	23.191	32.917
117.88	23.184	32.913
118.	23.181	32.91
118.02	23.18	
118.04	23.179	
118.1	23.177	32.908
118.28	23.172	32.905
118.48	23.166	32.901
118.68	23.16	32.897
118.88	23.154	32.893
119.08	23.148	32.889
119.28	23.142	32.886
119.48	23.137	32.882
119.68	23.132	32.878
119.88	23.127	32.875
120.	23.124	32.873
120.02	23.123	32.872
120.04		
120.1	23.121	32.871
120.28	23.117	32.868
120.48	23.112	32.864
120.68	23.107	32.861
120.88	23.103	32.858
121.08	23.098	32.854
121.28	23.094	32.851
121.48	23.09	32.848
121.68	23.086	32.845
121.88	23.082	32.841
122.	23.079	32.84
122.02		32.839
122.04		
122.1	23.077	32.838
122.28	23.074	32.835
122.48	23.07	32.832
122.68	23.067	32.829
122.88	23.063	32.826
123.08	23.06	32.823
123.28	23.057	32.82
123.48	23.053	32.817
123.68	23.05	32.814
123.88	23.047	32.811
124.	23.045	32.81
124.02		
124.04		32.809
124.1	23.044	32.808
124.28	23.041	32.806
124.48	23.038	32.803
124.68	23.036	32.8
124.88	23.033	32.798
125.08	23.03	32.795
125.28	23.028	32.792
125.48	23.025	32.79
125.68	23.023	32.787
125.88	23.02	32.784
126.	23.019	32.783
126.02	23.018	
126.04		32.782
126.1		
126.28	23.015	32.779
126.48	23.013	32.777

126.68	23.011	32.774
126.88	23.009	32.772
127.08	23.007	32.769
127.28	23.005	32.767
127.48	23.003	32.764
127.68	23.001	32.762
127.88	22.999	32.759
128.	22.998	32.758
128.02		
128.04	22.997	32.757
128.1		
128.28	22.995	32.755
128.48	22.993	32.752
128.68	22.992	32.75
128.88	22.99	32.747
129.08	22.988	32.745
129.28	22.986	32.743
129.48	22.985	32.74
129.68	22.983	32.738
129.88	22.982	32.736
130.	22.981	32.735
130.02		32.734
130.04	22.98	
130.1		
130.22	22.979	32.756
130.42	22.978	32.81
130.62		32.874
130.81	22.979	32.949
131.01	22.982	33.034
131.21	22.986	33.128
131.41	22.991	33.23
131.61	22.998	33.469
131.81	23.008	33.962
132.	23.019	34.453
132.02	23.02	34.502
132.04	23.021	34.546
132.1	23.025	34.654
132.28	23.037	34.837
132.48	23.051	34.921
132.68	23.067	34.948
132.88	23.082	34.894
133.08	23.096	34.774
133.28	23.11	34.593
133.48	23.123	34.36
133.68	23.134	34.079
133.83	23.141	33.835
133.92	23.145	33.696
134.	23.148	33.551
134.02	23.149	33.517
134.04	23.15	33.488
134.1	23.152	33.411
134.28	23.156	33.387
134.48	23.16	33.368
134.68	23.162	33.354
134.88	23.163	33.344
135.08	23.162	33.336
135.28	23.16	33.329
135.48	23.158	33.324
135.68	23.155	33.319
135.88	23.152	33.315
136.	23.15	33.312
136.02		
136.04	23.149	
136.1	23.148	33.31
136.28	23.145	33.307
136.48	23.141	33.303

136.68	23.136	33.3
136.88	23.132	33.296
137.08	23.128	33.293
137.28	23.123	33.29
137.48	23.119	33.286
137.68	23.115	33.283
137.88	23.11	33.28
138.	23.108	33.278
138.02	23.107	
138.04		33.277
138.1	23.106	33.276
138.28	23.102	33.274
138.48	23.098	33.27
138.68	23.094	33.267
138.88	23.09	33.264
139.08	23.086	33.261
139.28	23.083	33.258
139.48	23.079	33.255
139.68	23.075	33.252
139.88	23.072	33.25
140.	23.07	33.248
140.01		
140.02	23.069	
140.05		33.247
140.14	23.067	33.246
140.24	23.066	33.244
140.34	23.064	33.243
140.44	23.062	33.242
140.54	23.061	33.24
140.64	23.059	33.239
140.74	23.058	33.238
140.84	23.056	33.236
140.94	23.055	33.235
141.	23.054	33.234
141.01		
141.02	23.053	
141.05		33.233
141.14	23.052	33.232
141.24	23.05	33.231
141.34	23.049	33.229
141.44	23.047	33.228
141.54	23.046	33.227
141.64	23.044	33.225
141.74	23.043	33.224
141.84	23.042	33.223
141.94	23.04	33.221
142.	23.039	33.22
142.01		
142.02		
142.05		
142.14	23.038	33.219
142.24	23.036	33.217
142.34	23.035	33.216
142.44	23.034	33.215
142.54	23.032	33.214
142.64	23.031	33.212
142.74	23.03	33.211
142.84	23.029	33.21
142.94	23.028	33.209
143.	23.027	33.208
143.01		
143.02		
143.05	23.026	33.207
143.14	23.025	33.206
143.24	23.024	33.205
143.34	23.023	33.204

143.44	23.022	33.202
143.54	23.021	33.201
143.64	23.02	33.2
143.74	23.018	33.199
143.84	23.017	33.197
143.94	23.016	33.196
144.		33.195
144.01		
144.02	23.015	
144.05		
144.14	23.014	33.194
144.24	23.013	33.193
144.34	23.012	33.191
144.44	23.011	33.19
144.54	23.01	33.189
144.64	23.009	33.188
144.74	23.008	33.187
144.84	23.007	33.185
144.94	23.006	33.184
145.		
145.01		33.183
145.02		
145.05	23.005	
145.14	23.004	33.182
145.24		33.181
145.34	23.003	33.18
145.44	23.002	33.178
145.54	23.001	33.177
145.64	23.	33.176
145.74	22.999	33.175
145.84	22.998	33.174
145.94	22.997	33.173
146.		33.172
146.01		
146.02		
146.05	22.996	33.171
146.14		33.17
146.24	22.995	33.169
146.34	22.994	33.168
146.44	22.993	33.167
146.54	22.992	33.166
146.64		33.165
146.74	22.991	33.164
146.84	22.99	33.163
146.94	22.989	33.161
147.		
147.01		
147.02		
147.05		33.16
147.14	22.988	33.159
147.24	22.987	33.158
147.34	22.986	33.157
147.44		33.156
147.54	22.985	33.155
147.64	22.984	33.154
147.74		33.153
147.84	22.983	33.152
147.94	22.982	33.151
148.		33.15
148.01		
148.02		
148.03		33.149
148.06	22.981	33.15
148.11		33.17
148.21		33.223
148.31		33.289

148.41		33.364
148.51		33.449
148.61	22.982	33.542
148.71	22.984	33.643
148.81	22.987	33.75
148.91	22.99	33.864
149.	22.993	34.251
149.01	22.994	34.3
149.02		34.346
149.05	22.996	34.464
149.14	23.	34.685
149.24	23.006	34.811
149.34	23.012	34.867
149.44	23.019	34.854
149.54	23.026	34.773
149.64	23.034	34.633
149.74	23.041	34.439
149.84	23.049	34.197
149.94	23.056	33.915
150.	23.061	33.772
150.01		33.766
150.02	23.062	33.761
150.05	23.064	33.747
150.14	23.07	33.714
150.24	23.077	33.686
150.34	23.082	33.663
150.44	23.088	33.644
150.54	23.092	33.629
150.64	23.096	33.616
150.74	23.1	33.605
150.84	23.103	33.596
150.94	23.105	33.588
151.	23.106	33.584
151.01	23.107	
151.02		33.585
151.05		33.591
151.11	23.108	33.611
151.21	23.11	33.663
151.3	23.111	33.724
151.4	23.113	33.797
151.5	23.114	33.883
151.6	23.116	33.979
151.7	23.119	34.292
151.8	23.121	34.772
151.9	23.125	35.29
151.95	23.127	35.568
152.	23.129	35.857
152.01		35.909
152.02	23.13	35.959
152.05	23.131	36.089
152.14	23.136	36.337
152.24	23.141	36.485
152.34	23.147	36.532
152.44	23.154	36.494
152.54	23.161	36.386
152.64	23.168	36.215
152.74	23.175	35.988
152.84	23.183	35.71
152.94	23.19	35.385
153.	23.194	35.175
153.01		35.141
153.02	23.195	35.108
153.05	23.197	35.017
153.14	23.202	34.796
153.24	23.208	34.592
153.34	23.213	34.418

153.44	23.217	34.266
153.54	23.221	34.132
153.64	23.224	34.054
153.74	23.227	34.042
153.84	23.229	34.032
153.94	23.23	34.023
154.	23.231	34.019
154.01		34.018
154.02		34.017
154.05	23.232	34.015
154.14		34.01
154.24		34.004
154.34		34.
154.44	23.231	33.996
154.54	23.23	33.992
154.64	23.229	33.989
154.74	23.228	33.986
154.84	23.226	33.983
154.94	23.225	33.981
155.	23.223	33.979
155.01		
155.02		
155.05	23.222	33.978
155.14	23.221	33.976
155.24	23.218	33.973
155.34	23.216	33.971
155.44	23.214	33.969
155.54	23.211	33.967
155.64	23.209	33.965
155.74	23.206	33.963
155.84	23.204	33.961
155.94	23.201	33.959
156.	23.199	33.958
156.01		
156.02		33.957
156.05	23.198	
156.14	23.196	33.955
156.24	23.193	33.953
156.34	23.19	33.951
156.44	23.188	33.949
156.54	23.185	33.948
156.64	23.182	33.946
156.74	23.18	33.944
156.84	23.177	33.942
156.94	23.174	33.94
157.	23.173	33.939
157.01	23.172	
157.02		
157.04		
157.07	23.171	33.948
157.13	23.169	33.98
157.23	23.167	34.045
157.33	23.165	34.124
157.43	23.164	34.215
157.53	23.163	34.316
157.63		34.427
157.73		34.823
157.83	23.164	35.393
157.93	23.167	36.002
158.	23.169	36.438
158.01		36.499
158.02		36.556
158.05	23.17	36.705
158.14	23.174	36.996
158.24	23.179	37.176
158.34	23.185	37.241

158.44	23.192	37.213
158.54	23.199	37.104
158.64	23.206	36.926
158.74	23.213	36.684
158.84	23.221	36.385
158.94	23.228	36.04
159.	23.232	35.805
159.01	23.233	35.768
159.02	23.234	35.733
159.05	23.236	35.635
159.14	23.241	35.396
159.24	23.247	35.178
159.34	23.253	34.992
159.44	23.258	34.83
159.54	23.262	34.687
159.64	23.265	34.559
159.74	23.268	34.462
159.84	23.27	34.451
159.94	23.271	34.441
160.	23.272	34.436
160.01		34.435
160.02		34.434
160.05	23.273	34.432
160.14		34.426
160.24		34.421
160.34		34.416
160.44	23.272	34.411
160.54	23.271	34.407
160.64	23.27	34.403
160.74	23.269	34.4
160.84	23.267	34.397
160.94	23.265	34.394
161.	23.264	34.392
161.01	23.263	
161.02		
161.05		34.391
161.14	23.261	34.389
161.24	23.258	34.386
161.34	23.256	34.384
161.44	23.253	34.381
161.54	23.251	34.379
161.64	23.248	34.377
161.74	23.245	34.374
161.84	23.242	34.372
161.94	23.239	34.37
162.	23.238	34.368
162.01	23.237	
162.02		
162.05	23.236	34.367
162.14	23.234	34.365
162.24	23.231	34.363
162.34	23.228	34.361
162.44	23.225	34.358
162.54	23.222	34.356
162.64	23.219	34.354
162.74	23.216	34.352
162.84	23.213	34.35
162.94	23.211	34.348
163.	23.209	34.346
163.01		
163.02	23.208	
163.05	23.207	34.345
163.14	23.205	34.343
163.24	23.202	34.341
163.34	23.199	34.339
163.44	23.196	34.337

163.54	23.194	34.335
163.64	23.191	34.333
163.74	23.188	34.331
163.84	23.186	34.329
163.94	23.183	34.327
164.	23.181	34.326
164.01		34.325
164.02		
164.04		
164.07	23.18	34.329
164.13	23.178	34.361
164.23	23.176	34.431
164.33	23.174	34.516
164.43	23.173	34.614
164.53	23.172	34.724
164.63		34.844
164.73	23.173	35.232
164.83	23.175	35.853
164.93	23.177	36.517
165.	23.18	37.034
165.01		37.1
165.02	23.181	37.163
165.05	23.182	37.325
165.14	23.187	37.645
165.24	23.192	37.844
165.34	23.199	37.919
165.44	23.206	37.892
165.54	23.214	37.778
165.64	23.223	37.587
165.74	23.231	37.328
165.84	23.239	37.007
165.94	23.247	36.637
166.	23.252	36.383
166.01	23.253	36.343
166.02	23.254	36.305
166.05	23.256	36.199
166.14	23.263	35.943
166.24	23.27	35.709
166.34	23.276	35.509
166.44	23.281	35.336
166.54	23.286	35.183
166.64	23.29	35.046
166.74	23.293	34.922
166.84	23.296	34.881
166.94	23.298	34.87
167.	23.299	34.865
167.01		34.864
167.02		
167.05		34.861
167.14	23.3	34.855
167.24	23.301	34.849
167.34		34.843
167.44	23.3	34.839
167.54	23.299	34.834
167.64	23.298	34.83
167.74	23.297	34.827
167.84	23.295	34.823
167.94	23.294	34.82
168.	23.292	34.819
168.01		34.818
168.02		
168.05	23.291	34.817
168.14	23.289	34.815
168.24	23.287	34.812
168.34	23.285	34.81
168.44	23.282	34.807

168.54	23.28	34.805
168.64	23.277	34.802
168.74	23.274	34.8
168.84	23.271	34.797
168.94	23.268	34.795
169.	23.267	34.793
169.01	23.266	
169.02		
169.05	23.265	34.792
169.14	23.263	34.79
169.24	23.26	34.788
169.34	23.257	34.785
169.44	23.254	34.783
169.54	23.251	34.781
169.64	23.248	34.778
169.74	23.245	34.776
169.84	23.242	34.774
169.94	23.239	34.772
170.	23.237	34.77
170.01		
170.02		
170.05	23.236	34.769
170.14	23.233	34.767
170.24	23.231	34.765
170.34	23.228	34.763
170.44	23.225	34.76
170.54	23.222	34.758
170.64	23.219	34.756
170.74	23.217	34.754
170.84	23.214	34.752
170.94	23.211	34.75
171.	23.21	34.748
171.01	23.209	
171.02		
171.05	23.208	34.747
171.14	23.206	34.745
171.24	23.203	34.743
171.34	23.201	34.741
171.44	23.198	34.739
171.54	23.196	34.737
171.64	23.193	34.735
171.74	23.191	34.733
171.84	23.189	34.731
171.94	23.186	34.728
172.	23.185	34.727
172.01	23.184	
172.02		
172.05		34.726
172.14	23.181	34.724
172.24	23.179	34.722
172.34	23.177	34.72
172.44	23.175	34.718
172.54	23.172	34.716
172.64	23.17	34.714
172.74	23.168	34.712
172.84	23.166	34.71
172.94	23.164	34.708
173.	23.163	34.707
173.01	23.162	
173.02		
173.05		34.706
173.14	23.16	34.704
173.24	23.158	34.702
173.34	23.156	34.7
173.44	23.154	34.699
173.54	23.152	34.697

173.64	23.15	34.695
173.74	23.148	34.693
173.84	23.146	34.691
173.94	23.144	34.689
174.	23.143	34.688
174.01		
174.02		34.687
174.05	23.142	
174.14	23.141	34.685
174.24	23.139	34.683
174.34	23.137	34.681
174.44	23.135	34.679
174.54	23.134	34.678
174.64	23.132	34.676
174.74	23.13	34.674
174.84	23.128	34.672
174.94	23.127	34.67
175.	23.126	34.669
175.01		
175.02		
175.05	23.125	34.668
175.14	23.124	34.667
175.24	23.122	34.665
175.34	23.12	34.663
175.44	23.119	34.661
175.54	23.117	34.659
175.64	23.116	34.657
175.74	23.114	34.656
175.84	23.113	34.654
175.94	23.111	34.652
176.		34.651
176.01	23.11	
176.02		
176.03		34.65
176.06		
176.11	23.109	34.676
176.21	23.108	34.75
176.31	23.107	34.84
176.41		34.944
176.51	23.108	35.061
176.61	23.109	35.188
176.71	23.111	35.326
176.81	23.114	35.576
176.91	23.118	36.291
177.	23.122	36.942
177.01	23.123	37.014
177.02		37.082
177.05	23.125	37.259
177.14	23.131	37.609
177.24	23.138	37.83
177.34	23.146	37.918
177.44	23.155	37.896
177.54	23.165	37.781
177.64	23.175	37.584
177.74	23.185	37.314
177.84	23.195	36.977
177.94	23.205	36.589
178.	23.211	36.319
178.01	23.212	36.278
178.02		36.237
178.05	23.215	36.126
178.14	23.223	35.858
178.24	23.232	35.613
178.34	23.239	35.406
178.44	23.246	35.319
178.54	23.252	35.297

178.64	23.257	35.28
178.74	23.262	35.265
178.84	23.265	35.252
178.94	23.269	35.241
179.	23.27	35.236
179.01		35.235
179.02	23.271	35.234
179.05		35.232
179.14	23.273	35.225
179.24	23.274	35.219
179.34	23.275	35.214
179.44	23.276	35.209
179.54		35.205
179.64	23.275	35.201
179.74		35.198
179.84	23.274	35.195
179.94	23.273	35.192
180.	23.272	35.191
180.01		35.19
180.02	23.271	
180.05		35.189
180.14	23.27	35.187
180.24	23.268	35.184
180.34	23.266	35.182
180.44	23.264	35.179
180.54	23.262	35.177
180.64	23.26	35.175
180.74	23.258	35.172
180.84	23.255	35.17
180.94	23.253	35.168
181.	23.251	35.166
181.01		
181.02		
181.05	23.25	35.165
181.14	23.248	35.163
181.24	23.246	35.161
181.34	23.243	35.159
181.44	23.241	35.156
181.54	23.238	35.154
181.64	23.235	35.152
181.74	23.233	35.15
181.84	23.23	35.148
181.94	23.228	35.145
182.	23.226	35.144
182.01		
182.02		
182.05	23.225	35.143
182.14	23.223	35.141
182.24	23.22	35.139
182.34	23.218	35.137
182.44	23.215	35.134
182.54	23.213	35.132
182.64	23.211	35.13
182.74	23.208	35.128
182.84	23.206	35.126
182.94	23.203	35.124
183.	23.202	35.122
183.01		
183.02		
183.03	23.201	
183.06		
183.12	23.199	35.153
183.22	23.197	35.23
183.32	23.196	35.324
183.42	23.195	35.432
183.52		35.553

183.62		35.686
183.72	23.196	35.829
183.82	23.199	36.486
183.92	23.202	37.222
184.	23.206	37.851
184.01		37.925
184.02	23.207	37.995
184.05	23.208	38.176
184.14	23.213	38.533
184.24	23.22	38.756
184.34	23.228	38.841
184.44	23.237	38.813
184.54	23.246	38.689
184.64	23.256	38.48
184.74	23.265	38.195
184.84	23.275	37.841
184.94	23.284	37.433
185.	23.29	37.152
185.01	23.291	37.108
185.02	23.292	37.066
185.05	23.295	36.949
185.14	23.302	36.667
185.24	23.31	36.409
185.34	23.317	36.191
185.44	23.324	36.001
185.54	23.329	35.834
185.64	23.334	35.768
185.74	23.338	35.753
185.84	23.342	35.74
185.94	23.344	35.728
186.	23.346	35.723
186.01		35.722
186.02		
186.05	23.347	35.731
186.11		35.761
186.21	23.349	35.835
186.3	23.35	35.922
186.4	23.351	36.203
186.5	23.353	36.688
186.6	23.355	37.242
186.7	23.357	37.86
186.8	23.36	38.536
186.9	23.364	39.267
187.	23.369	40.056
187.01	23.37	40.131
187.02		40.201
187.05	23.372	40.382
187.14	23.378	40.729
187.24	23.385	40.932
187.34	23.393	40.991
187.44	23.402	40.931
187.54	23.411	40.77
187.64	23.421	40.52
187.74	23.43	40.191
187.84	23.44	39.79
187.94	23.449	39.323
188.	23.454	39.02
188.01	23.455	38.971
188.02	23.456	38.924
188.05	23.459	38.794
188.14	23.466	38.474
188.24	23.473	38.18
188.34	23.48	37.927
188.44	23.485	37.707
188.54	23.49	37.511
188.64	23.494	37.334

188.74	23.497	37.174
188.84	23.499	37.026
188.94	23.501	36.89
189.	23.502	36.812
189.01		36.799
189.02		36.786
189.05		36.749
189.14		36.643
189.24		36.533
189.34	23.501	36.429
189.44	23.5	36.332
189.54	23.498	36.288
189.64	23.496	36.283
189.74	23.493	36.278
189.84	23.49	36.274
189.94	23.487	36.27
190.	23.485	36.268
190.01		
190.02		36.267
190.05	23.484	36.266
190.14	23.481	36.263
190.24	23.477	36.26
190.34	23.474	36.256
190.44	23.47	36.253
190.54	23.466	36.25
190.64	23.462	36.246
190.74	23.458	36.243
190.84	23.454	36.24
190.94	23.45	36.237
191.	23.447	36.235
191.01		
191.02	23.446	
191.05	23.445	36.234
191.14	23.441	36.231
191.24	23.437	36.228
191.34	23.433	36.225
191.44	23.429	36.222
191.54	23.424	36.219
191.64	23.42	36.216
191.74	23.416	36.213
191.84	23.412	36.21
191.94	23.408	36.207
192.	23.405	36.206
192.01		36.205
192.02	23.404	
192.05	23.403	36.204
192.14	23.4	36.202
192.24	23.396	36.199
192.34	23.392	36.196
192.44	23.388	36.193
192.54	23.384	36.19
192.64	23.38	36.188
192.74	23.376	36.185
192.84	23.372	36.182
192.94	23.369	36.18
193.	23.366	36.178
193.01		
193.02		36.177
193.05	23.365	
193.14	23.361	36.174
193.24	23.358	36.172
193.34	23.354	36.169
193.44	23.351	36.166
193.54	23.347	36.164
193.64	23.344	36.161
193.74	23.34	36.158

193.84	23.337	36.156
193.94	23.334	36.153
194.	23.332	36.152
194.01	23.331	
194.02		36.151
194.04	23.33	
194.07	23.329	36.156
194.13	23.327	36.195
194.2	23.326	36.244
194.26	23.324	36.3
194.36	23.322	36.405
194.46	23.32	36.525
194.56	23.319	36.657
194.66		36.859
194.76	23.32	37.547
194.86	23.323	38.288
194.96	23.326	39.077
195.	23.328	39.404
195.01		39.481
195.02		39.554
195.05	23.33	39.744
195.14	23.335	40.116
195.24	23.341	40.346
195.34	23.349	40.433
195.44	23.357	40.4
195.54	23.366	40.266
195.64	23.376	40.043
195.74	23.385	39.74
195.84	23.395	39.365
195.94	23.404	38.934
196.	23.41	38.636
196.01	23.411	38.592
196.02	23.412	38.552
196.05	23.414	38.459
196.14	23.422	38.367
196.24	23.43	38.436
196.34	23.438	38.639
196.44	23.446	38.951
196.54	23.453	39.357
196.64	23.461	39.843
196.74	23.468	40.403
196.84	23.476	41.027
196.94	23.485	41.712
197.	23.49	42.144
197.01	23.491	42.212
197.02	23.492	42.276
197.05	23.494	42.44
197.14	23.503	42.74
197.24	23.513	42.896
197.34	23.523	42.913
197.44	23.533	42.816
197.54	23.544	42.621
197.64	23.555	42.341
197.74	23.566	41.984
197.84	23.576	41.557
197.94	23.586	41.067
198.	23.591	40.751
198.01	23.592	40.7
198.02	23.593	40.651
198.05	23.596	40.514
198.14	23.603	40.176
198.24	23.611	39.862
198.34	23.618	39.591
198.44	23.623	39.352
198.54	23.628	39.139
198.64	23.631	38.946

198.74	23.634	38.77
198.84	23.636	38.608
198.94	23.637	38.457
199.	23.638	38.371
199.01		38.357
199.02		38.342
199.05		38.301
199.14		38.183
199.24	23.637	38.06
199.34	23.635	37.945
199.44	23.633	37.835
199.54	23.631	37.731
199.64	23.628	37.632
199.74	23.625	37.538
199.84	23.621	37.448
199.94	23.618	37.362
200.	23.615	37.325
200.01		
200.02		
200.05	23.613	37.323
200.14	23.61	37.32
200.24	23.606	37.316
200.34	23.601	37.312
200.44	23.597	37.309
200.54	23.592	37.305
200.64	23.587	37.301
200.74	23.583	37.298
200.84	23.578	37.294
200.94	23.573	37.291
201.	23.57	37.288
201.01		
201.02	23.569	
201.05	23.568	37.287
201.1	23.565	37.313
201.2	23.561	37.389
201.29	23.557	37.475
201.38	23.554	37.631
201.48	23.551	38.133
201.58	23.548	38.704
201.68	23.547	39.338
201.78	23.546	40.029
201.88	23.547	40.775
201.94	23.548	41.252
202.	23.549	41.747
202.01		41.824
202.02	23.55	41.896
202.05	23.551	42.084
202.14	23.554	42.447
202.24	23.559	42.664
202.34	23.565	42.733
202.44	23.572	42.681
202.54	23.579	42.525
202.64	23.587	42.278
202.74	23.595	41.95
202.84	23.604	41.549
202.94	23.611	41.085
203.	23.616	40.775
203.01	23.617	40.726
203.02	23.618	40.679
203.05	23.62	40.548
203.14	23.626	40.227
203.24	23.632	39.93
203.34	23.638	39.677
203.44	23.643	39.455
203.54	23.647	39.257
203.64	23.65	39.079

203.74	23.652	38.916
203.84	23.654	38.767
203.94		38.629
204.	23.655	38.55
204.01		38.537
204.02		38.524
204.05		38.486
204.14	23.654	38.378
204.24	23.653	38.266
204.34	23.652	38.16
204.44	23.65	38.059
204.54	23.647	37.964
204.64	23.645	37.874
204.74	23.641	37.857
204.84	23.638	37.852
204.94	23.635	37.848
205.	23.632	37.845
205.01		
205.02		37.844
205.05	23.631	37.843
205.14	23.627	37.84
205.24	23.623	37.836
205.34	23.619	37.832
205.44	23.614	37.828
205.54	23.61	37.825
205.64	23.605	37.821
205.74	23.601	37.818
205.84	23.596	37.814
205.94	23.592	37.811
206.	23.589	37.809
206.01		37.808
206.02	23.588	
206.04	23.587	37.807
206.09	23.585	37.83
206.18	23.581	37.9
206.26	23.578	37.98
206.35	23.575	38.073
206.45	23.572	38.387
206.55	23.569	38.971
206.65	23.568	39.621
206.75	23.567	40.333
206.85	23.568	41.102
206.95	23.57	41.925
207.	23.572	42.358
207.01		42.439
207.02		42.516
207.05	23.573	42.713
207.14	23.578	43.096
207.24	23.583	43.327
207.34	23.59	43.403
207.44	23.597	43.352
207.54	23.606	43.193
207.64	23.614	42.938
207.74	23.623	42.599
207.84	23.632	42.182
207.94	23.641	41.701
208.	23.646	41.378
208.01	23.647	41.327
208.02	23.648	41.277
208.05	23.65	41.141
208.14	23.657	40.808
208.24	23.664	40.501
208.34	23.67	40.238
208.44	23.676	40.008
208.54	23.68	39.804
208.64	23.684	39.62

208.74	23.687	39.453
208.84	23.689	39.299
208.94	23.69	39.157
209.		39.075
209.01		39.061
209.02		39.048
209.05		39.009
209.14		38.898
209.24	23.689	38.782
209.34	23.688	38.673
209.44	23.686	38.57
209.54	23.684	38.472
209.64	23.682	38.414
209.74	23.679	38.408
209.84	23.676	38.403
209.94	23.672	38.399
210.	23.67	38.396
210.01		
210.02	23.669	38.395
210.05	23.668	38.394
210.14	23.665	38.391
210.24	23.661	38.387
210.34	23.657	38.383
210.44	23.653	38.379
210.54	23.648	38.375
210.64	23.644	38.372
210.74	23.639	38.368
210.84	23.635	38.365
210.94	23.63	38.361
211.	23.628	38.359
211.01	23.627	
211.02		38.358
211.04	23.626	
211.09	23.624	38.382
211.18	23.62	38.454
211.26	23.616	38.536
211.35	23.613	38.631
211.45	23.61	38.911
211.55	23.608	39.512
211.65	23.607	40.181
211.75		40.913
211.85	23.608	41.705
211.95	23.61	42.551
212.	23.611	43.
212.01	23.612	43.083
212.02		43.162
212.05	23.613	43.365
212.14	23.618	43.759
212.24	23.624	43.996
212.34	23.631	44.075
212.44	23.638	44.023
212.54	23.647	43.859
212.64	23.656	43.597
212.74	23.665	43.247
212.84	23.675	42.819
212.94	23.684	42.323
213.	23.689	41.991
213.01	23.69	41.941
213.02	23.691	41.895
213.05	23.693	41.789
213.14	23.701	41.675
213.21	23.706	41.685
213.28	23.712	41.773
213.38	23.719	42.038
213.48	23.726	42.414
213.58	23.733	42.888

213.68	23.74	43.447
213.78	23.747	44.082
213.88	23.755	44.788
213.94	23.76	45.247
214.	23.765	45.73
214.01	23.766	45.804
214.02	23.767	45.874
214.05	23.769	46.052
214.14	23.778	46.375
214.24	23.787	46.538
214.34	23.798	46.547
214.44	23.808	46.429
214.54	23.819	46.204
214.64	23.83	45.885
214.74	23.84	45.481
214.84	23.851	45.
214.94	23.86	44.449
215.	23.866	44.094
215.01	23.867	44.039
215.02	23.868	43.989
215.05	23.87	43.87
215.14	23.878	43.729
215.22	23.884	43.732
215.29	23.89	43.833
215.39	23.897	44.104
215.49	23.904	44.492
215.59	23.91	44.979
215.69	23.917	45.556
215.79	23.924	46.214
215.89	23.931	46.945
215.95	23.935	47.36
216.	23.939	47.795
216.01	23.94	47.873
216.02		47.95
216.05	23.943	48.164
216.14	23.951	48.716
216.24	23.96	49.25
216.34	23.971	49.726
216.44	23.982	50.158
216.54	23.995	50.554
216.64	24.008	50.921
216.74	24.022	51.264
216.84	24.037	51.585
216.94	24.053	51.889
217.	24.063	52.064
217.01	24.064	52.094
217.02	24.066	52.123
217.05	24.071	52.21
217.14	24.086	52.465
217.24	24.104	52.741
217.34	24.122	53.009
217.44	24.14	53.271
217.54	24.158	53.525
217.64	24.177	53.774
217.74	24.196	54.017
217.84	24.215	54.254
217.94	24.234	54.487
218.	24.246	54.624
218.01	24.248	54.647
218.02	24.25	54.67
218.05	24.256	54.738
218.14	24.273	54.939
218.24	24.292	55.158
218.34	24.312	55.373
218.44	24.331	55.584
218.54	24.35	55.792

218.64	24.369	55.996
218.74	24.388	56.198
218.84	24.407	56.396
218.94	24.426	56.591
219.	24.438	56.707
219.01	24.439	56.726
219.02	24.441	56.745
219.05	24.447	56.803
219.14	24.464	56.973
219.24	24.482	57.16
219.34	24.501	57.344
219.44	24.519	57.525
219.54	24.537	57.705
219.64	24.555	57.881
219.74	24.573	58.056
219.84	24.59	58.229
219.94	24.608	58.399
220.	24.618	58.501
220.01	24.62	58.517
220.02	24.622	58.534
220.05	24.627	58.585
220.14	24.642	58.734
220.24	24.659	58.897
220.34	24.676	59.059
220.44	24.693	59.218
220.54	24.71	59.376
220.64	24.726	59.531
220.74	24.742	59.685
220.84	24.758	59.837
220.94	24.774	59.988
221.	24.784	60.078
221.01	24.785	60.09
221.02	24.787	60.1
221.05	24.791	60.112
221.14	24.805	60.016
221.24	24.82	59.784
221.34	24.834	59.448
221.44	24.848	59.025
221.54	24.86	58.523
221.64	24.872	57.951
221.74	24.883	57.315
221.84	24.892	56.619
221.94	24.899	55.867
222.	24.903	55.396
222.01	24.904	55.32
222.02	24.905	55.245
222.05	24.907	55.036
222.14	24.911	54.495
222.24	24.914	53.972
222.34	24.915	53.505
222.44		53.083
222.54	24.914	52.695
222.64	24.911	52.337
222.74	24.906	52.003
222.84	24.9	51.69
222.94	24.894	51.395
223.	24.889	51.224
223.01		51.198
223.02	24.888	51.175
223.05	24.885	51.127
223.14	24.878	
223.23	24.87	51.237
223.31	24.862	51.44
223.41	24.853	51.777
223.51	24.844	52.205
223.61	24.835	52.716

223.71	24.827	53.302
223.81	24.82	53.957
223.91	24.813	54.677
224.	24.809	55.342
224.01	24.808	55.417
224.02		55.49
224.05	24.806	55.695
224.14	24.803	56.214
224.24	24.801	56.709
224.34	24.8	57.144
224.44	24.801	57.532
224.54	24.803	57.885
224.64	24.806	58.207
224.74	24.811	58.503
224.84	24.816	58.778
224.94	24.823	59.034
225.	24.827	59.182
225.01	24.828	59.206
225.02	24.829	59.231
225.05	24.831	59.305
225.14	24.839	59.525
225.24	24.848	59.767
225.34	24.857	60.006
225.44	24.868	60.24
225.54	24.879	60.471
225.64	24.89	60.699
225.74	24.902	60.923
225.84	24.914	61.144
225.94	24.926	61.362
226.	24.934	61.492
226.01	24.935	61.513
226.02	24.936	61.535
226.05	24.94	61.598
226.14	24.952	61.781
226.24	24.965	61.977
226.34	24.978	62.167
226.44	24.991	62.352
226.54	25.005	62.532
226.64	25.019	62.707
226.74	25.032	62.879
226.84	25.046	63.047
226.94	25.06	63.212
227.	25.068	63.31
227.01	25.069	63.326
227.02	25.071	63.342
227.05	25.075	63.389
227.14	25.087	63.521
227.24	25.101	63.66
227.34	25.114	63.792
227.44	25.128	63.917
227.54	25.141	64.036
227.64	25.155	64.15
227.74	25.168	64.259
227.84	25.181	64.363
227.94	25.194	64.462
228.	25.202	64.521
228.01	25.203	64.53
228.02	25.205	64.541
228.05	25.208	64.572
228.14	25.22	64.675
228.24	25.232	64.796
228.34	25.245	64.923
228.44	25.257	65.054
228.54	25.269	65.189
228.64	25.281	65.326
228.74	25.293	65.466

228.84	25.305	65.608
228.94	25.317	65.752
229.	25.324	65.84
229.01	25.325	65.854
229.02	25.326	65.868
229.05	25.33	65.911
229.14	25.34	66.033
229.24	25.351	66.164
229.34	25.363	66.292
229.44	25.374	66.418
229.54	25.386	66.54
229.64	25.397	66.661
229.74	25.408	66.78
229.84	25.419	66.897
229.94	25.43	67.012
230.	25.437	67.081
230.01	25.438	67.092
230.02	25.439	67.104
230.05	25.442	67.138
230.14	25.452	67.239
230.24	25.463	67.351
230.34	25.474	67.461
230.44	25.484	67.57
230.54	25.495	67.678
230.64	25.505	67.785
230.74	25.516	67.89
230.84	25.526	67.995
230.94	25.536	68.099
231.	25.543	68.161
231.01	25.544	68.171
231.02	25.545	68.181
231.05	25.548	68.212
231.14	25.557	68.303
231.24	25.567	68.404
231.34	25.577	68.503
231.44	25.587	68.601
231.54	25.596	68.698
231.64	25.606	68.795
231.74	25.616	68.89
231.84	25.625	68.985
231.94	25.635	69.078
232.	25.64	69.134
232.01	25.641	69.146
232.02	25.642	69.159
232.05	25.645	69.217
232.14	25.654	69.507
232.24	25.663	69.94
232.34	25.674	70.464
232.44	25.684	71.066
232.54	25.695	71.737
232.64	25.707	72.469
232.74	25.719	73.256
232.84	25.733	74.096
232.94	25.748	74.984
233.	25.757	75.533
233.01	25.758	75.621
233.02	25.76	75.704
233.05	25.765	75.925
233.14	25.78	76.39
233.24	25.797	76.721
233.34	25.816	76.907
233.44	25.835	76.972
233.54	25.855	76.935
233.64	25.875	76.807
233.74	25.895	76.599
233.84	25.915	76.317

	25.935	75.968
234.	25.947	75.735
234.01	25.949	75.698
234.02	25.951	75.662
234.05	25.956	75.567
234.14	25.973	75.35
234.24	25.991	75.168
234.34	26.008	75.027
234.44	26.025	74.916
234.54	26.04	74.827
234.64	26.054	74.757
234.74	26.068	74.701
234.84	26.08	74.657
234.94	26.092	74.623
235.	26.099	74.605
235.01	26.1	74.603
235.02	26.101	74.6
235.05	26.104	74.592
235.14	26.113	74.576
235.24	26.123	74.562
235.34	26.132	74.555
235.44	26.141	74.551
235.54	26.148	
235.64	26.156	74.555
235.74	26.163	74.562
235.84	26.17	74.571
235.94	26.176	74.583
236.	26.18	74.591
236.01		74.592
236.02	26.181	74.594
236.05	26.183	74.598
236.14	26.188	74.613
236.24	26.194	74.631
236.34	26.199	74.65
236.44	26.204	74.671
236.54	26.209	74.693
236.64	26.214	74.716
236.74	26.218	74.741
236.84	26.223	74.766
236.94	26.227	74.792
237.	26.23	74.807
237.01		74.812
237.02	26.231	74.819
237.05	26.232	74.856
237.14	26.236	75.081
237.24	26.241	75.441
237.34	26.245	75.89
237.44	26.251	76.415
237.54	26.257	77.008
237.64	26.263	77.662
237.74	26.27	78.371
237.84	26.279	79.131
237.94	26.288	79.938
238.	26.294	80.439
238.01	26.295	80.519
238.02	26.296	80.595
238.05	26.299	80.794
238.14	26.31	81.201
238.24	26.322	81.476
238.34	26.335	81.612
238.44	26.349	81.632
238.54	26.363	81.555
238.64	26.378	81.392
238.74	26.393	81.151
238.84	26.408	80.841
238.94	26.423	80.467

239.	26.432	80.221
239.01	26.433	80.186
239.02	26.435	80.156
239.05	26.439	80.112
239.14	26.452	80.275
239.24	26.466	80.733
239.34	26.48	81.41
239.44	26.494	82.271
239.54	26.509	83.288
239.64	26.525	84.445
239.74	26.541	85.727
239.84	26.558	87.124
239.94	26.578	88.626
240.	26.59	89.564
240.01	26.592	89.715
240.02	26.594	89.861
240.05	26.6	90.257
240.14	26.62	91.187
240.24	26.644	91.983
240.34	26.67	92.596
240.44	26.697	93.062
240.54	26.726	93.404
240.64	26.755	93.64
240.74	26.786	93.781
240.84	26.818	93.839
240.94	26.85	93.819
241.	26.869	93.781
241.01	26.872	93.774
241.02	26.875	93.766
241.05	26.885	93.733
241.14	26.914	93.572
241.24	26.945	93.322
241.34	26.976	93.006
241.44	27.006	92.629
241.54	27.035	92.194
241.64	27.062	91.706
241.74	27.088	91.166
241.84	27.112	90.578
241.94	27.134	89.944
242.	27.147	89.547
242.01	27.149	89.482
242.02	27.151	89.42
242.05	27.157	89.246
242.14	27.174	88.81
242.24	27.191	88.402
242.34	27.206	88.049
242.44	27.219	87.74
242.54	27.23	87.466
242.64	27.24	87.219
242.74	27.248	86.997
242.84	27.255	86.795
242.94	27.26	86.611
243.	27.263	86.506
243.01		86.491
243.02	27.264	86.478
243.05	27.265	86.456
243.14	27.268	86.512
243.24	27.27	86.692
243.34	27.273	86.969
243.44	27.274	87.331
243.54	27.276	87.766
243.64	27.278	88.267
243.74	27.28	88.83
243.84	27.283	89.448
243.94	27.286	90.12
244.	27.288	90.54

244.01	27.289	90.607
244.02		90.67
244.05	27.29	90.829
244.14	27.295	91.121
244.24	27.3	91.272
244.34	27.306	91.288
244.44	27.313	91.192
244.54	27.32	91.
244.64	27.328	90.726
244.74	27.335	90.377
244.84	27.342	89.961
244.94	27.349	89.484
245.	27.353	89.176
245.01	27.354	89.131
245.02	27.355	89.091
245.05	27.357	89.017
245.14	27.362	89.094
245.24	27.369	89.46
245.34	27.375	90.049
245.44	27.382	90.824
245.54	27.389	91.759
245.64	27.396	92.836
245.74	27.405	94.041
245.84	27.415	95.362
245.94	27.426	96.792
246.	27.434	97.687
246.01	27.435	97.828
246.02	27.436	97.963
246.05	27.44	98.307
246.14	27.453	98.962
246.24	27.469	99.34
246.34	27.486	99.442
246.44	27.504	99.317
246.54	27.523	98.999
246.64	27.543	98.513
246.74	27.563	97.875
246.84	27.582	97.101
246.94	27.601	96.2
247.	27.612	95.617
247.01	27.614	95.523
247.02	27.616	95.432
247.05	27.621	95.182
247.14	27.636	94.571
247.24	27.652	94.009
247.34	27.666	93.532
247.44	27.678	93.117
247.54	27.689	92.75
247.64	27.698	92.421
247.74	27.705	92.124
247.84	27.711	91.853
247.94	27.715	91.604
248.	27.717	91.463
248.01	27.718	91.441
248.02		91.422
248.05	27.719	91.384
248.14	27.721	91.394
248.24	27.722	91.528
248.34		91.765
248.44		92.089
248.54		92.491
248.64		92.962
248.74		93.496
248.84		94.09
248.94	27.723	94.737
249.	27.724	95.145
249.01		95.211

249.02	27.725	95.276
249.05		95.458
249.14	27.728	95.93
249.24	27.731	96.391
249.34	27.736	96.807
249.44	27.742	97.187
249.54	27.748	97.54
249.64	27.756	97.871
249.74	27.765	98.183
249.84	27.774	98.479
249.94	27.785	98.762
250.	27.791	98.927
250.01	27.792	98.955
250.02	27.793	98.982
250.05	27.797	99.063
250.14	27.807	99.296
250.24	27.82	99.545
250.34	27.832	99.786
250.44	27.846	100.02
250.54	27.86	100.24
250.64	27.874	100.46
250.74	27.888	100.68
250.84	27.903	100.89
250.94	27.918	101.09
251.	27.927	101.21
251.01	27.928	101.23
251.02	27.93	101.24
251.05	27.934	101.27
251.14	27.948	101.26
251.24	27.963	101.14
251.34	27.977	100.92
251.44	27.991	100.64
251.54	28.005	100.28
251.64	28.018	99.868
251.74	28.03	99.399
251.84	28.042	98.879
251.94	28.052	98.312
252.	28.057	97.955
252.01	28.058	97.899
252.02	28.059	97.847
252.05	28.062	97.716
252.14	28.069	97.504
252.24	28.076	97.434
252.34	28.083	97.493
252.44	28.088	97.658
252.54	28.093	97.914
252.64	28.097	98.25
252.74	28.101	98.656
252.84	28.105	99.126
252.94	28.109	99.655
253.	28.112	99.992
253.01		100.05
253.02		100.1
253.05	28.114	100.25
253.14	28.118	100.63
253.24	28.123	101.
253.34	28.128	101.33
253.44	28.135	101.63
253.54	28.141	101.9
253.64	28.149	102.16
253.74	28.157	102.4
253.84	28.166	102.63
253.94	28.175	102.85
254.	28.181	102.98
254.01	28.182	103.
254.02	28.183	103.02

254.05	28.186	103.08
254.14	28.195	103.28
254.24	28.206	103.5
254.34	28.217	103.72
254.44	28.228	103.95
254.54	28.24	104.17
254.64	28.252	104.4
254.74	28.265	104.62
254.84	28.278	104.85
254.94	28.291	105.07
255.	28.298	105.21
255.01	28.3	105.23
255.02	28.301	105.25
255.05	28.305	105.31
255.14	28.317	105.48
255.24	28.33	105.66
255.34	28.344	105.81
255.44	28.358	105.96
255.54	28.371	106.09
255.64	28.385	106.22
255.74	28.399	106.33
255.84	28.412	106.44
255.94	28.426	106.54
256.	28.434	106.6
256.01	28.436	106.61
256.02	28.437	106.62
256.05	28.441	106.68
256.14	28.454	106.96
256.24	28.467	107.38
256.34	28.482	107.89
256.44	28.496	108.47
256.54	28.511	109.1
256.64	28.526	109.8
256.74	28.542	110.55
256.84	28.559	111.34
256.94	28.577	112.18
257.	28.588	112.7
257.01	28.589	112.78
257.02	28.591	112.86
257.05	28.597	113.07
257.14	28.614	113.52
257.24	28.634	113.85
257.34	28.655	114.05
257.44	28.676	114.14
257.54	28.698	
257.64	28.72	114.05
257.74	28.743	113.89
257.84	28.765	113.66
257.94	28.786	113.38
258.	28.799	113.18
258.01	28.801	113.15
258.02	28.803	113.12
258.05	28.81	113.05
258.14	28.828	112.88
258.24	28.849	112.74
258.34	28.868	112.65
258.44	28.886	112.58
258.54	28.904	112.54
258.64	28.921	112.51
258.74	28.937	112.49
258.84	28.952	
258.94	28.966	
259.	28.975	112.5
259.01	28.976	
259.02	28.977	
259.05	28.981	

259.14	28.993	112.52
259.24	29.005	112.55
259.34	29.017	112.58
259.44	29.028	112.61
259.54	29.039	112.65
259.64	29.049	112.69
259.74	29.059	112.73
259.84	29.069	112.78
259.94	29.078	112.83
260.	29.084	112.86
260.01		
260.02	29.085	112.87
260.05	29.088	112.85
260.14	29.096	112.73
260.24	29.104	112.49
260.34	29.111	112.17
260.44	29.118	111.79
260.54	29.124	111.35
260.64	29.13	110.85
260.74	29.134	110.31
260.84	29.138	109.73
260.94	29.141	109.1
261.	29.142	108.71
261.01		108.65
261.02		108.59
261.05		108.41
261.14	29.143	107.95
261.24	29.142	107.5
261.34	29.14	107.08
261.44	29.137	106.7
261.54	29.132	106.35
261.64	29.127	106.02
261.74	29.12	105.7
261.84	29.113	105.4
261.94	29.105	105.12
262.	29.099	104.95
262.01	29.098	104.92
262.02		104.9
262.05	29.095	104.82
262.14	29.086	104.6
262.24	29.076	104.37
262.34	29.065	104.16
262.44	29.053	103.96
262.54	29.042	103.78
262.64	29.03	103.6
262.74	29.017	103.44
262.84	29.005	103.28
262.94	28.992	103.14
263.	28.984	103.05
263.01	28.983	103.04
263.02	28.982	103.02
263.05	28.978	102.98
263.14	28.966	102.85
263.24	28.954	102.7
263.34	28.941	102.54
263.44	28.928	102.39
263.54	28.915	102.24
263.64	28.902	102.09
263.74	28.89	101.95
263.84	28.877	101.8
263.94	28.864	101.65
264.	28.857	101.56
264.01	28.856	101.55
264.02	28.854	101.54
264.05	28.851	101.53
264.14	28.84	101.59

264.24	28.828	101.76
264.34	28.817	102.03
264.44	28.806	102.36
264.54	28.796	102.77
264.64	28.786	103.23
264.74	28.778	103.74
264.84	28.77	104.31
264.94	28.764	104.92
265.	28.76	105.3
265.01		105.37
265.02	28.759	105.43
265.05	28.758	105.6
265.14	28.754	106.04
265.24	28.751	106.47
265.34	28.75	106.86
265.44		107.22
265.54	28.751	107.54
265.64	28.753	107.85
265.74	28.757	108.14
265.84	28.761	108.41
265.94	28.766	108.67
266.	28.77	108.82
266.01	28.771	108.84
266.02		108.87
266.05	28.773	108.94
266.14	28.78	109.15
266.24	28.788	109.38
266.34	28.796	109.6
266.44	28.805	109.81
266.54	28.815	110.02
266.64	28.825	110.22
266.74	28.836	110.41
266.84	28.846	110.6
266.94	28.858	110.79
267.	28.864	110.9
267.01	28.866	110.92
267.02	28.867	110.94
267.05	28.87	111.02
267.14	28.881	111.37
267.24	28.893	111.84
267.34	28.906	112.4
267.44	28.919	113.02
267.54	28.933	113.7
267.64	28.948	114.43
267.74	28.964	115.21
267.84	28.98	116.03
267.94	28.998	116.89
268.	29.009	117.42
268.01	29.011	117.51
268.02	29.012	117.59
268.05	29.018	117.81
268.14	29.036	118.3
268.24	29.056	118.69
268.34	29.077	118.95
268.44	29.099	119.11
268.54	29.121	119.18
268.64	29.144	119.17
268.74	29.167	119.1
268.84	29.191	118.96
268.94	29.214	118.77
269.	29.227	118.63
269.01	29.23	118.61
269.02	29.232	118.59
269.05	29.239	118.53
269.14	29.259	118.42
269.24	29.281	118.34

269.34	29.302	118.28
269.44	29.322	118.23
269.54	29.342	118.2
269.64	29.361	118.18
269.74	29.379	118.17
269.84	29.397	118.16
269.94	29.414	118.15
270.	29.423	
270.01	29.425	
270.02	29.426	
270.05	29.431	118.16
270.14	29.445	118.19
270.24	29.46	118.25
270.34	29.474	118.32
270.44	29.487	118.4
270.54	29.5	118.5
270.64	29.513	118.6
270.74	29.526	118.72
270.84	29.538	118.84
270.94	29.549	118.97
271.	29.556	119.05
271.01	29.557	119.07
271.02	29.559	119.08
271.05	29.562	119.12
271.14	29.572	119.21
271.24	29.583	119.31
271.34	29.594	119.39
271.44	29.605	119.47
271.54	29.616	119.54
271.64	29.627	119.61
271.74	29.637	119.67
271.84	29.647	119.72
271.94	29.657	119.78
272.	29.664	119.81
272.01	29.665	
272.02	29.666	119.82
272.05	29.669	119.87
272.14	29.678	120.11
272.24	29.688	120.49
272.34	29.698	120.96
272.44	29.709	121.51
272.54	29.72	122.12
272.64	29.732	122.78
272.74	29.745	123.51
272.84	29.758	124.28
272.94	29.772	125.09
273.	29.781	125.6
273.01	29.782	125.68
273.02	29.784	125.76
273.05	29.788	125.96
273.14	29.802	126.39
273.24	29.819	126.7
273.34	29.836	126.88
273.44	29.854	126.94
273.54	29.873	126.92
273.64	29.892	126.81
273.74	29.911	126.63
273.84	29.93	126.38
273.94	29.948	126.07
274.	29.959	125.87
274.01	29.961	125.83
274.02	29.963	125.8
274.05	29.969	125.72
274.14	29.985	125.53
274.24	30.002	125.38
274.34	30.019	125.26

274.44	30.035	125.18
274.54	30.05	125.11
274.64	30.065	125.06
274.74	30.078	125.03
274.84	30.091	125.
274.94	30.103	124.99
275.	30.11	124.98
275.01	30.111	
275.02	30.113	124.99
275.05	30.116	125.01
275.14	30.126	125.21
275.24	30.137	125.54
275.34	30.147	125.96
275.44	30.158	126.46
275.54	30.168	127.02
275.64	30.179	127.65
275.74	30.19	128.34
275.84	30.202	129.07
275.94	30.215	129.86
276.	30.223	130.35
276.01	30.224	130.42
276.02	30.225	130.5
276.05	30.229	130.66
276.14	30.242	130.89
276.24	30.256	130.87
276.34	30.271	130.63
276.44	30.286	130.22
276.54	30.301	129.66
276.64	30.315	128.96
276.74	30.329	128.14
276.84	30.342	127.21
276.94	30.354	126.18
277.	30.36	125.52
277.01	30.362	125.42
277.02	30.363	125.32
277.05	30.366	125.06
277.14	30.374	124.51
277.24	30.382	124.12
277.34	30.388	123.9
277.44	30.393	123.82
277.54	30.397	123.84
277.64	30.399	123.96
277.74	30.401	124.17
277.84		124.45
277.94	30.402	124.8
278.		125.03
278.01		125.07
278.02	30.401	125.1
278.05		125.17
278.14		125.23
278.24	30.4	125.15
278.34	30.399	124.95
278.44	30.397	124.66
278.54	30.396	124.3
278.64	30.394	123.87
278.74	30.392	123.37
278.84	30.389	122.82
278.94	30.386	122.23
279.	30.384	121.85
279.01		121.79
279.02	30.383	121.74
279.05	30.382	121.6
279.14	30.379	121.35
279.24	30.374	121.23
279.34	30.369	121.24
279.44	30.363	121.36

279.54	30.358	121.56
279.64	30.352	121.84
279.74	30.346	122.19
279.84	30.34	122.61
279.94	30.335	123.08
280.	30.332	123.39
280.01	30.331	123.43
280.02		123.48
280.05	30.329	123.62
280.14	30.325	123.95
280.24	30.322	124.27
280.34	30.319	124.55
280.44	30.317	124.81
280.54	30.315	125.04
280.64		125.25
280.74		125.46
280.84	30.316	125.65
280.94	30.318	125.83
281.	30.319	125.93
281.01	30.32	125.95
281.02		125.97
281.05	30.321	126.02
281.14	30.324	126.19
281.24	30.328	126.38
281.34	30.332	126.57
281.44	30.337	126.77
281.54	30.342	126.97
281.64	30.348	127.17
281.74	30.355	127.37
281.84	30.361	127.57
281.94	30.368	127.78
282.	30.373	127.9
282.01	30.374	127.92
282.02		127.93
282.05	30.377	127.96
282.14	30.383	127.93
282.24	30.391	127.77
282.34	30.399	127.51
282.44	30.406	127.17
282.54	30.413	126.76
282.64	30.42	126.29
282.74	30.426	125.75
282.84	30.431	125.16
282.94	30.435	124.52
283.	30.438	124.12
283.01		124.05
283.02		123.99
283.05	30.439	123.84
283.14	30.442	123.58
283.24	30.443	123.45
283.34	30.444	123.46
283.44	30.445	123.58
283.54	30.444	123.79
283.64		124.09
283.74	30.442	124.46
283.84	30.441	124.9
283.94	30.44	125.4
284.		125.72
284.01		125.77
284.02		125.81
284.05	30.439	125.92
284.14		126.09
284.24	30.438	126.12
284.34		126.02
284.44		125.83
284.54		125.55

284.64	30.439	125.19
284.74		124.77
284.84	30.44	124.29
284.94		123.76
285.	30.439	123.42
285.01		123.37
285.02		123.32
285.05		123.2
285.14	30.438	123.03
285.24	30.437	123.02
285.34	30.436	123.14
285.44	30.434	123.38
285.54	30.433	123.72
285.64	30.431	124.13
285.74	30.43	124.63
285.84	30.428	125.19
285.94		125.82
286.	30.427	126.22
286.01		126.28
286.02		126.35
286.05		126.52
286.14	30.428	126.96
286.24	30.429	127.38
286.34	30.431	127.74
286.44	30.435	128.07
286.54	30.439	128.36
286.64	30.444	128.63
286.74	30.449	128.88
286.84	30.456	129.11
286.94	30.464	129.32
287.	30.468	129.44
287.01	30.469	129.46
287.02	30.47	129.47
287.05	30.473	129.51
287.14	30.48	129.49
287.24	30.489	129.36
287.34	30.498	129.15
287.44	30.507	128.85
287.54	30.516	128.48
287.64	30.525	128.06
287.74	30.533	127.57
287.84	30.541	127.03
287.94	30.547	126.45
288.	30.551	126.08
288.01		126.02
288.02	30.552	125.97
288.05	30.554	125.83
288.14	30.558	125.62
288.24	30.562	125.56
288.34	30.566	125.64
288.44	30.569	125.84
288.54	30.572	126.12
288.64	30.574	126.5
288.74	30.576	126.95
288.84	30.577	127.47
288.94	30.579	128.05
289.	30.581	128.42
289.01		128.48
289.02		128.54
289.05	30.582	128.7
289.14	30.585	129.13
289.24	30.588	129.55
289.34	30.592	129.92
289.44	30.597	130.27
289.54	30.602	130.59
289.64	30.609	130.89

289.74	30.616	131.18
289.84	30.624	131.46
289.94	30.633	131.73
290.	30.638	131.88
290.01	30.639	131.91
290.02	30.64	131.94
290.05	30.643	132.05
290.14	30.652	132.49
290.24	30.663	133.09
290.34	30.675	133.78
290.44	30.688	134.55
290.54	30.703	135.38
290.64	30.718	136.28
290.74	30.734	137.23
290.84	30.751	138.23
290.94	30.77	139.28
291.	30.782	139.92
291.01	30.784	140.03
291.02	30.786	140.13
291.05	30.792	140.39
291.14	30.812	140.98
291.24	30.834	141.45
291.34	30.858	141.75
291.44	30.882	141.93
291.54	30.908	142.
291.64	30.934	141.98
291.74	30.96	141.87
291.84	30.987	141.69
291.94	31.013	141.43
292.	31.029	141.25
292.01	31.031	141.22
292.02	31.034	141.2
292.05	31.042	141.17
292.14	31.065	141.26
292.24	31.091	141.54
292.34	31.116	141.96
292.44	31.141	142.49
292.54	31.166	143.12
292.64	31.191	143.84
292.74	31.215	144.63
292.84	31.24	145.49
292.94	31.265	146.41
293.	31.281	146.99
293.01	31.283	147.08
293.02	31.286	147.17
293.05	31.294	147.44
293.14	31.317	148.15
293.24	31.344	148.87
293.34	31.371	149.55
293.44	31.399	150.19
293.54	31.428	150.8
293.64	31.458	151.38
293.74	31.489	151.94
293.84	31.52	152.49
293.94	31.552	153.02
294.	31.571	153.34
294.01	31.574	153.39
294.02	31.578	153.43
294.05	31.587	153.56
294.14	31.617	153.78
294.24	31.65	153.9
294.34	31.683	153.91
294.44	31.716	153.82
294.54	31.748	153.65
294.64	31.78	153.4
294.74	31.811	153.08

	31.842	152.7
294.94	31.871	152.26
295.	31.888	151.98
295.01	31.891	151.93
295.02	31.894	151.89
295.05	31.902	151.77
295.14	31.927	151.5
295.24	31.952	151.26
295.34	31.977	151.08
295.44	32.	150.93
295.54	32.021	150.82
295.64	32.041	150.73
295.74	32.06	150.66
295.84	32.077	150.61
295.94	32.094	150.57
296.	32.103	150.55
296.01	32.105	
296.02	32.106	
296.05	32.111	150.54
296.14	32.124	150.53
296.24	32.137	150.52
296.34	32.149	150.53
296.44	32.161	150.54
296.54	32.172	150.56
296.64	32.183	150.59
296.74	32.193	150.62
296.84	32.203	150.66
296.94	32.212	150.7
297.	32.217	150.73
297.01	32.218	
297.02	32.219	150.74
297.05	32.221	150.75
297.14	32.229	150.8
297.24	32.237	150.85
297.34	32.245	150.9
297.44	32.253	150.95
297.54	32.26	151.01
297.64	32.268	151.07
297.74	32.275	151.13
297.84	32.282	151.19
297.94	32.289	151.26
298.	32.293	151.3
298.01		
298.02	32.294	151.31
298.05	32.296	151.33
298.14	32.302	151.4
298.24	32.309	151.47
298.34	32.316	151.55
298.44	32.322	151.63
298.54	32.329	151.72
298.64	32.335	151.81
298.74	32.342	151.9
298.84	32.348	151.99
298.94	32.355	152.08
299.	32.358	152.14
299.01	32.359	152.15
299.02	32.36	152.16
299.05	32.362	152.19
299.14	32.367	152.28
299.24	32.374	152.38
299.34	32.38	152.48
299.44	32.387	152.58
299.54	32.394	152.69
299.64	32.4	152.79
299.74	32.407	152.9
299.84	32.414	153.01

299.94	32.42	153.12
300.	32.425	153.19
300.01		153.2
300.02	32.426	
300.05	32.428	
300.14	32.434	153.07
300.24	32.44	152.79
300.34	32.446	152.41
300.44	32.452	151.94
300.54	32.457	151.39
300.64	32.461	150.78
300.74	32.465	150.1
300.84	32.467	149.36
300.94	32.469	148.56
301.		148.06
301.01		147.99
301.02		147.91
301.05		147.72
301.14	32.468	147.39
301.24	32.467	147.23
301.34	32.464	
301.44	32.46	147.37
301.54	32.456	147.62
301.64	32.452	147.98
301.74	32.447	148.42
301.84	32.442	148.95
301.94	32.437	149.56
302.	32.434	149.95
302.01		150.01
302.02	32.433	150.07
302.05	32.432	150.25
302.14	32.428	150.68
302.24	32.425	151.1
302.34	32.422	151.48
302.44	32.42	151.82
302.54		152.14
302.64		152.44
302.74	32.421	152.72
302.84	32.423	152.99
302.94	32.427	153.25
303.	32.429	153.4
303.01		153.43
303.02		153.45
303.05	32.431	153.52
303.14	32.435	153.74
303.24	32.441	153.97
303.34	32.447	154.19
303.44	32.454	154.4
303.54	32.461	154.61
303.64	32.469	154.81
303.74	32.477	155.01
303.84	32.486	155.21
303.94	32.495	155.4
304.	32.501	155.51
304.01	32.502	155.53
304.02	32.503	155.55
304.05	32.506	155.61
304.14	32.515	155.78
304.24	32.525	155.97
304.34	32.535	156.16
304.44	32.546	156.35
304.54	32.557	156.53
304.64	32.568	156.72
304.74	32.579	156.91
304.84	32.59	157.09
304.94	32.601	157.28

305.	32.608	157.39
305.01	32.609	157.41
305.02	32.61	157.42
305.05	32.614	157.44
305.14	32.624	157.36
305.24	32.635	157.14
305.34	32.646	156.8
305.44	32.656	156.37
305.54	32.666	155.87
305.64	32.675	155.28
305.74	32.683	154.63
305.84	32.691	153.92
305.94	32.697	153.15
306.	32.7	152.66
306.01		152.58
306.02	32.701	152.51
306.05	32.702	152.29
306.14	32.705	151.73
306.24	32.708	151.17
306.34		150.67
306.44		150.21
306.54	32.706	149.79
306.64	32.702	149.39
306.74	32.698	149.01
306.84	32.691	148.65
306.94	32.684	148.31
307.	32.68	148.11
307.01	32.679	148.08
307.02	32.678	148.05
307.05	32.675	147.99
307.14	32.667	147.96
307.24	32.658	148.09
307.34	32.648	148.34
307.44	32.638	148.69
307.54	32.628	149.14
307.64	32.618	149.68
307.74	32.609	150.29
307.84	32.601	150.97
307.94	32.593	151.72
308.	32.589	152.2
308.01	32.588	152.27
308.02		152.34
308.05	32.586	152.51
308.14	32.581	152.8
308.24	32.576	152.9
308.34	32.572	152.83
308.44	32.569	152.62
308.54	32.567	152.3
308.64	32.565	151.87
308.74	32.564	151.35
308.84	32.563	150.74
308.94	32.562	150.06
309.	32.561	149.63
309.01		149.56
309.02		149.5
309.05	32.56	149.34
309.14	32.559	149.11
309.24	32.557	149.05
309.34	32.555	149.16
309.44	32.553	149.4
309.54	32.551	149.76
309.64	32.548	150.21
309.74	32.546	150.76
309.84	32.544	151.38
309.94	32.542	152.08
310.		152.52

310.01	32.541	152.59
310.02		152.66
310.05		152.82
310.14		153.07
310.24		153.15
310.34		153.07
310.44	32.542	152.85
310.54	32.543	152.52
310.64	32.545	152.09
310.74	32.547	151.57
310.84	32.548	150.98
310.94	32.55	150.31
311.		149.88
311.01		149.81
311.02	32.551	149.74
311.05		149.52
311.14		148.81
311.24	32.55	147.96
311.34	32.548	147.06
311.44	32.545	146.11
311.54	32.54	145.11
311.64	32.534	144.07
311.74	32.526	142.99
311.84	32.516	141.86
311.94	32.504	140.69
312.	32.496	139.97
312.01	32.494	139.86
312.02	32.493	139.75
312.05	32.489	139.46
312.14	32.474	138.81
312.24	32.457	138.31
312.34	32.438	138.06
312.44	32.418	137.97
312.54	32.397	137.99
312.64	32.374	138.11
312.74	32.351	138.31
312.84	32.328	138.59
312.94	32.305	138.94
313.	32.291	139.17
313.01	32.288	139.21
313.02	32.286	139.25
313.05	32.279	139.38
313.14	32.258	139.8
313.24	32.236	140.32
313.34	32.215	140.9
313.44	32.196	141.52
313.54	32.178	142.18
313.64	32.161	142.9
313.74	32.146	143.65
313.84	32.133	144.44
313.94	32.123	145.28
314.	32.117	145.79
314.01	32.116	145.87
314.02	32.115	145.95
314.05	32.113	146.14
314.14	32.107	146.5
314.24	32.102	146.74
314.34	32.098	146.82
314.44	32.096	146.76
314.54		146.58
314.64	32.097	146.3
314.74	32.098	145.92
314.84	32.1	145.46
314.94	32.103	144.92
315.	32.104	144.57
315.01		144.52

315.02	32.105	144.46
315.05	32.106	144.31
315.14	32.108	143.94
315.24	32.11	143.59
315.34	32.112	143.29
315.44	32.114	143.02
315.54	32.115	142.78
315.64		142.56
315.74	32.114	142.36
315.84	32.113	142.21
315.94	32.111	142.06
316.	32.11	141.98
316.01		141.96
316.02		141.95
316.05	32.109	141.91
316.14	32.106	141.79
316.24	32.103	141.66
316.34	32.099	141.53
316.44	32.094	141.41
316.54	32.089	141.29
316.64	32.084	141.18
316.74	32.079	141.07
316.84	32.073	140.96
316.94	32.067	140.85
317.	32.063	140.79
317.01		140.77
317.02	32.062	140.76
317.05	32.06	140.73
317.14	32.055	140.64
317.24	32.048	140.55
317.34	32.042	140.45
317.44	32.035	140.36
317.54	32.028	140.27
317.64	32.022	140.19
317.74	32.015	140.1
317.84	32.008	140.02
317.94	32.001	139.94
318.	31.997	139.89
318.01	31.996	
318.02		139.88
318.05	31.994	139.89
318.14	31.988	140.03
318.24	31.981	140.3
318.34	31.975	140.66
318.44	31.97	141.1
318.54	31.965	141.6
318.64	31.961	142.16
318.74	31.958	142.77
318.84	31.955	143.43
318.94	31.954	144.13
319.		144.57
319.01		144.64
319.02		144.71
319.05		144.91
319.14	31.955	145.4
319.24	31.957	145.87
319.34	31.961	146.28
319.44	31.966	146.65
319.54	31.972	146.99
319.64	31.98	147.34
319.74	31.988	147.68
319.84	31.998	148.
319.94	32.009	148.29
320.	32.016	148.47
320.01	32.017	148.49
320.02	32.018	148.52

320.05	32.021	148.57
320.14	32.033	148.61
320.24	32.045	148.52
320.34	32.058	148.34
320.44	32.071	148.07
320.54	32.084	147.71
320.64	32.097	147.29
320.74	32.11	146.81
320.84	32.121	146.27
320.94	32.132	145.67
321.	32.139	145.29
321.01	32.14	145.23
321.02	32.141	145.17
321.05	32.144	145.
321.14	32.152	144.58
321.24	32.16	144.18
321.34	32.167	143.82
321.44	32.173	143.51
321.54	32.177	143.22
321.64	32.181	142.99
321.74	32.183	142.79
321.84	32.185	142.59
321.94		142.41
322.		142.31
322.01		142.29
322.02		142.28
322.05	32.184	142.23
322.14	32.183	142.08
322.24	32.181	141.93
322.34	32.178	141.78
322.44	32.174	141.65
322.54	32.17	141.51
322.64	32.166	141.38
322.74	32.161	141.26
322.84	32.156	141.14
322.94	32.15	141.02
323.	32.146	140.95
323.01		140.94
323.02	32.145	140.93
323.05	32.144	140.9
323.14	32.138	140.8
323.24	32.132	140.71
323.34	32.125	140.61
323.44	32.119	140.52
323.54	32.112	140.43
323.64	32.105	140.35
323.74	32.099	140.27
323.84	32.092	140.2
323.94	32.085	140.12
324.	32.081	140.08
324.01	32.08	140.07
324.02		
324.05	32.078	140.05
324.14	32.072	139.99
324.24	32.065	139.94
324.34	32.058	139.9
324.44	32.052	139.86
324.54	32.045	139.83
324.64	32.039	139.81
324.74	32.033	139.78
324.84	32.027	139.77
324.94	32.021	139.75
325.	32.017	
325.01		
325.02	32.016	
325.05	32.014	139.74

325.14	32.009	139.73
325.24	32.004	139.71
325.34	31.999	139.69
325.44	31.993	139.66
325.54	31.989	139.64
325.64	31.984	139.62
325.74	31.979	139.6
325.84	31.975	139.57
325.94	31.971	139.55
326.	31.968	139.54
326.01		
326.02	31.967	
326.05	31.966	139.53
326.14	31.962	
326.24	31.959	
326.34	31.955	139.54
326.44	31.952	139.56
326.54	31.948	139.59
326.64	31.945	139.62
326.74	31.942	139.65
326.84	31.94	139.69
326.94	31.937	139.74
327.	31.936	139.77
327.01		
327.02	31.935	139.78
327.05		139.83
327.14	31.933	140.11
327.24	31.932	140.55
327.34	31.931	141.08
327.44		141.7
327.54	31.932	142.39
327.64	31.934	143.15
327.74	31.937	143.97
327.84	31.941	144.83
327.94	31.946	145.75
328.	31.95	146.32
328.01	31.951	146.41
328.02		146.49
328.05	31.954	146.72
328.14	31.961	147.17
328.24	31.97	147.47
328.34	31.981	147.63
328.44	31.993	147.66
328.54	32.005	147.62
328.64	32.019	147.5
328.74	32.033	147.29
328.84	32.048	147.01
328.94	32.062	146.66
329.	32.071	146.43
329.01	32.073	146.39
329.02	32.074	146.36
329.05	32.079	146.3
329.14	32.092	146.34
329.24	32.107	146.57
329.34	32.122	146.96
329.44	32.137	147.47
329.54	32.152	148.09
329.64	32.167	148.8
329.74	32.182	149.6
329.84	32.197	150.47
329.94	32.213	151.41
330.	32.223	151.99
330.01	32.225	152.1
330.02	32.226	152.2
330.05	32.231	152.53
330.14	32.247	153.68

330.24	32.267	155.12
330.34	32.288	156.69
330.44	32.31	158.39
330.54	32.335	160.21
330.64	32.362	162.12
330.74	32.392	164.14
330.84	32.425	166.25
330.94	32.46	168.44
331.	32.483	169.79
331.01	32.487	170.01
331.02	32.491	170.23
331.05	32.502	170.85
331.14	32.54	172.51
331.24	32.585	174.18
331.34	32.632	175.71
331.44	32.683	177.15
331.54	32.737	178.49
331.64	32.793	179.77
331.74	32.852	180.98
331.84	32.913	182.14
331.94	32.976	183.25
332.	33.015	183.89
332.01	33.021	184.
332.02	33.028	184.1
332.05	33.047	184.4
332.14	33.107	185.16
332.24	33.175	185.87
332.34	33.243	186.49
332.44	33.312	187.01
332.54	33.381	187.44
332.64	33.45	187.81
332.74	33.519	188.1
332.84	33.588	188.33
332.94	33.656	188.51
333.	33.696	188.59
333.01	33.703	188.61
333.02	33.71	188.63
333.05	33.73	188.72
333.14	33.789	189.17
333.24	33.855	189.83
333.34	33.919	190.61
333.44	33.983	191.5
333.54	34.046	192.48
333.64	34.108	193.53
333.74	34.17	194.64
333.84	34.231	195.82
333.94	34.293	197.05
334.	34.329	197.81
334.01	34.335	197.93
334.02	34.341	198.06
334.05	34.36	198.45
334.14	34.415	199.64
334.24	34.476	201.02
334.34	34.538	202.44
334.44	34.601	203.89
334.54	34.664	205.39
334.64	34.728	206.92
334.74	34.794	208.48
334.84	34.86	210.07
334.94	34.928	211.7
335.	34.969	212.69
335.01	34.976	212.85
335.02	34.983	213.01
335.05	35.004	213.48
335.14	35.067	214.76
335.24	35.139	216.09

	35.211	217.35
335.44	35.285	218.54
335.54	35.36	219.68
335.64	35.435	220.78
335.74	35.512	221.84
335.84	35.589	222.86
335.94	35.667	223.85
336.	35.714	224.43
336.01	35.722	224.53
336.02	35.73	224.63
336.05	35.753	224.91
336.14	35.824	225.76
336.24	35.903	226.69
336.34	35.982	227.6
336.44	36.061	228.49
336.54	36.14	229.37
336.64	36.219	230.23
336.74	36.298	231.07
336.84	36.376	231.9
336.94	36.453	232.72
337.	36.5	233.2
337.01	36.508	233.29
337.02	36.515	233.38
337.05	36.539	233.67
337.14	36.608	234.77
337.24	36.685	236.19
337.34	36.763	237.77
337.44	36.84	239.48
337.54	36.918	241.31
337.64	36.996	243.24
337.74	37.075	245.27
337.84	37.155	247.38
337.94	37.236	249.57
338.	37.285	250.91
338.01	37.293	251.13
338.02	37.301	251.34
338.05	37.326	251.94
338.14	37.4	253.44
338.24	37.485	254.87
338.34	37.57	256.09
338.44	37.656	257.16
338.54	37.743	258.09
338.64	37.831	258.89
338.74	37.92	259.6
338.84	38.009	260.2
338.94	38.098	260.72
339.	38.151	261.
339.01	38.16	261.05
339.02	38.169	261.1
339.05	38.195	261.23
339.14	38.275	261.56
339.24	38.362	261.86
339.34	38.448	262.1
339.44	38.534	262.29
339.54	38.617	262.41
339.64	38.699	262.48
339.74	38.779	262.5
339.84	38.857	262.46
339.94	38.932	262.38
340.	38.977	262.32
340.01	38.984	262.31
340.02	38.992	
340.05	39.014	262.33
340.14	39.078	262.59
340.24	39.148	263.06
340.34	39.215	263.67

340.44	39.281	264.4
340.54	39.345	265.22
340.64	39.408	266.13
340.74	39.469	267.12
340.84	39.53	268.17
340.94	39.589	269.28
341.	39.624	269.97
341.01	39.63	270.08
341.02	39.636	270.19
341.05	39.653	270.52
341.14	39.706	271.45
341.24	39.763	272.43
341.34	39.821	273.39
341.44	39.878	274.32
341.54	39.936	275.23
341.64	39.993	276.14
341.74	40.051	277.03
341.84	40.11	277.92
341.94	40.168	278.8
342.	40.203	279.32
342.01	40.209	279.42
342.02	40.215	279.51
342.05	40.232	279.82
342.14	40.286	280.93
342.24	40.346	282.33
342.34	40.406	283.88
342.44	40.468	285.54
342.54	40.53	287.31
342.64	40.593	289.17
342.74	40.658	291.12
342.84	40.724	293.15
342.94	40.791	295.24
343.	40.832	296.53
343.01	40.839	296.74
343.02	40.846	296.96
343.05	40.866	297.61
343.14	40.93	299.62
343.24	41.004	301.91
343.34	41.079	304.26
343.44	41.157	306.66
343.54	41.237	309.12
343.64	41.32	311.63
343.74	41.406	314.18
343.84	41.494	316.78
343.94	41.586	319.43
344.	41.641	321.04
344.01	41.651	321.3
344.02	41.66	321.55
344.05	41.689	322.25
344.14	41.775	323.97
344.24	41.874	325.52
344.34	41.974	326.78
344.44	42.077	327.81
344.54	42.18	328.63
344.64	42.285	329.27
344.74	42.391	329.75
344.84	42.496	330.08
344.94	42.602	330.28
345.	42.665	330.35
345.01	42.675	330.37
345.02	42.686	330.4
345.05	42.717	330.53
345.14	42.812	331.24
345.24	42.916	332.33
345.34	43.019	333.64
345.44	43.121	335.14

	43.222	336.79
345.64	43.322	338.57
345.74	43.421	340.47
345.84	43.52	342.47
345.94	43.618	344.56
346.	43.677	345.84
346.01	43.687	346.05
346.02	43.697	346.25
346.05	43.726	346.8
346.14	43.814	348.12
346.24	43.911	349.27
346.34	44.008	350.17
346.44	44.104	350.87
346.54	44.2	351.4
346.64	44.297	351.78
346.74	44.392	352.02
346.84	44.487	352.14
346.94	44.58	352.15
347.	44.636	
347.01	44.645	352.12
347.02	44.655	
347.05	44.682	352.14
347.14	44.764	352.33
347.24	44.854	352.64
347.34	44.942	353.04
347.44	45.028	353.48
347.54	45.112	353.97
347.64	45.194	354.48
347.74	45.273	355.03
347.84	45.351	355.59
347.94	45.427	356.17
348.	45.472	356.53
348.01	45.48	356.59
348.02	45.487	356.65
348.05	45.509	356.85
348.14	45.575	357.52
348.24	45.646	358.35
348.34	45.716	359.24
348.44	45.784	360.19
348.54	45.852	361.18
348.64	45.919	362.22
348.74	45.985	363.3
348.84	46.051	364.41
348.94	46.116	365.56
349.	46.156	366.26
349.01	46.162	366.37
349.02	46.169	366.48
349.05	46.188	366.82
349.14	46.246	367.77
349.24	46.311	368.79
349.34	46.376	369.77
349.44	46.44	370.72
349.54	46.505	371.65
349.64	46.57	372.57
349.74	46.635	373.47
349.84	46.701	374.36
349.94	46.766	375.24
350.	46.805	375.76
350.01	46.812	375.85
350.02	46.818	375.94
350.05	46.838	376.2
350.14	46.897	376.97
350.24	46.962	377.81
350.34	47.028	378.65
350.44	47.093	379.49
350.54	47.159	380.31

350.64	47.224	381.13
350.74	47.289	381.94
350.84	47.354	382.75
350.94	47.419	383.55
351.	47.458	384.03
351.01	47.465	384.1
351.02	47.471	384.18
351.05	47.491	384.38
351.14	47.548	384.88
351.24	47.612	385.3
351.34	47.675	385.63
351.44	47.738	385.87
351.54	47.8	386.03
351.64	47.861	386.13
351.74	47.921	386.17
351.84	47.98	386.15
351.94	48.038	386.08
352.	48.072	386.01
352.01	48.078	
352.02	48.084	386.
352.05	48.101	386.02
352.14	48.15	386.26
352.24	48.205	386.69
352.34	48.258	387.24
352.44	48.31	387.9
352.54	48.36	388.64
352.64	48.41	389.46
352.74	48.459	390.34
352.84	48.507	391.29
352.94	48.554	392.28
353.	48.582	392.9
353.01	48.587	393.
353.02	48.591	393.1
353.05	48.606	393.36
353.14	48.647	394.01
353.24	48.693	394.6
353.34	48.739	395.07
353.44	48.784	395.46
353.54	48.829	395.78
353.64	48.874	396.04
353.74	48.919	396.24
353.84	48.964	396.39
353.94	49.008	396.49
354.	49.034	396.53
354.01	49.039	396.54
354.02	49.043	396.55
354.05	49.056	396.59
354.14	49.095	396.78
354.24	49.138	397.04
354.34	49.18	397.34
354.44	49.222	397.67
354.54	49.262	398.02
354.64	49.302	398.39
354.74	49.342	398.78
354.84	49.38	399.18
354.94	49.418	399.59
355.	49.441	399.84
355.01	49.444	399.88
355.02	49.448	399.92
355.05	49.459	400.01
355.14	49.492	400.17
355.24	49.528	400.22
355.34	49.562	400.18
355.44	49.596	400.06
355.54	49.629	399.86
355.64	49.661	399.61

355.74	49.693	399.3
355.84	49.723	398.93
355.94	49.752	398.52
356.	49.769	398.25
356.01	49.772	398.21
356.02	49.774	398.18
356.05	49.783	398.1
356.14	49.807	398.05
356.24	49.833	398.18
356.34	49.857	398.45
356.44	49.881	398.83
356.54	49.904	399.3
356.64	49.926	399.86
356.74	49.947	400.5
356.84	49.968	401.2
356.94	49.988	401.96
357.	50.	402.43
357.01	50.002	402.51
357.02	50.004	402.59
357.05	50.01	402.83
357.14	50.029	403.58
357.24	50.049	404.44
357.34	50.07	405.33
357.44	50.092	406.24
357.54	50.114	407.19
357.64	50.137	408.17
357.74	50.162	409.17
357.84	50.187	410.2
357.94	50.214	411.26
358.	50.23	411.9
358.01	50.233	412.01
358.02	50.236	412.11
358.05	50.244	412.41
358.14	50.271	413.25
358.24	50.301	414.12
358.34	50.332	414.94
358.44	50.365	415.73
358.54	50.399	416.49
358.64	50.434	417.22
358.74	50.47	417.93
358.84	50.507	418.63
358.94	50.546	419.3
359.	50.569	419.7
359.01	50.573	419.77
359.02	50.577	419.85
359.05	50.588	420.1
359.14	50.624	421.04
359.24	50.666	422.27
359.34	50.708	423.64
359.44	50.751	425.14
359.54	50.796	426.74
359.64	50.841	428.43
359.74	50.888	430.21
359.84	50.937	432.07
359.94	50.987	434.
360.	51.018	435.18
360.01	51.023	435.37
360.02	51.028	435.54
360.05	51.044	435.98
360.14	51.091	436.71
360.24	51.144	436.98
360.34	51.198	436.82
360.44	51.253	436.3
360.54	51.308	435.47
360.64	51.363	434.37
360.74	51.418	433.03

	51.472	431.46
360.94	51.524	429.69
361.	51.555	428.55
361.01	51.56	428.37
361.02	51.565	428.2
361.05	51.58	427.74
361.14	51.624	426.75
361.24	51.67	425.98
361.34	51.714	425.46
361.44	51.755	425.13
361.54	51.792	424.97
361.64	51.826	424.93
361.74	51.857	425.01
361.84	51.885	425.19
361.94	51.911	425.45
362.	51.925	425.64
362.01	51.928	425.67
362.02	51.93	425.69
362.05	51.937	425.72
362.14	51.955	425.54
362.24	51.973	425.11
362.34	51.989	424.5
362.44	52.003	423.75
362.54	52.015	422.86
362.64	52.026	421.87
362.74	52.035	420.77
362.84	52.043	419.59
362.94	52.049	418.32
363.	52.051	417.53
363.01	52.052	417.4
363.02		417.28
363.05	52.053	416.96
363.14	52.055	416.24
363.24		415.67
363.34	52.054	415.27
363.44	52.051	415.02
363.54	52.047	414.9
363.64	52.04	414.87
363.74	52.033	414.94
363.84	52.024	415.08
363.94	52.014	415.31
364.	52.007	415.46
364.01	52.006	415.49
364.02	52.005	415.51
364.05	52.002	415.57
364.14	51.991	415.7
364.24	51.979	415.79
364.34	51.967	415.84
364.44	51.955	415.88
364.54	51.943	415.9
364.64	51.931	415.91
364.74	51.92	415.92
364.84	51.909	415.91
364.94	51.899	415.9
365.	51.893	415.89
365.01	51.892	
365.02	51.891	
365.05	51.888	415.86
365.14	51.879	415.66
365.24	51.87	415.36
365.34	51.861	414.97
365.44	51.852	414.52
365.54	51.843	414.01
365.64	51.834	413.45
365.74	51.825	412.84
365.84	51.815	412.19

365.94	51.806	411.49
366.	51.8	411.06
366.01	51.799	410.99
366.02	51.798	410.93
366.05	51.795	410.73
366.14	51.785	410.21
366.24	51.774	409.69
366.34	51.762	409.22
366.44	51.75	408.77
366.54	51.737	408.36
366.64	51.723	407.96
366.74	51.708	407.58
366.84	51.693	407.22
366.94	51.677	406.88
367.	51.667	406.67
367.01	51.665	406.64
367.02	51.663	406.6
367.05	51.658	406.5
367.14	51.643	406.22
367.24	51.625	405.92
367.34	51.607	405.63
367.44	51.588	405.35
367.54	51.569	405.07
367.64	51.55	404.81
367.74	51.531	404.56
367.84	51.511	404.31
367.94	51.492	404.07
368.	51.48	403.93
368.01	51.478	403.91
368.02	51.476	403.88
368.05	51.47	403.78
368.14	51.452	403.39
368.24	51.432	402.86
368.34	51.412	402.26
368.44	51.391	401.59
368.54	51.37	400.87
368.64	51.349	400.1
368.74	51.328	399.28
368.84	51.306	398.42
368.94	51.283	397.52
369.	51.269	396.97
369.01	51.267	396.89
369.02	51.265	396.8
369.05	51.258	396.57
369.14	51.237	396.08
369.24	51.213	395.69
369.34	51.188	395.43
369.44	51.163	395.29
369.54	51.138	395.23
369.64	51.112	395.26
369.74	51.086	395.35
369.84	51.06	395.52
369.94	51.034	395.74
370.	51.019	395.89
370.01	51.016	395.91
370.02	51.014	395.93
370.05	51.006	
370.14	50.983	395.68
370.24	50.957	395.16
370.34	50.931	394.45
370.44	50.905	393.57
370.54	50.879	392.57
370.64	50.854	391.44
370.74	50.828	390.2
370.84	50.803	388.87
370.94	50.776	387.45

371.	50.76	386.56
371.01	50.758	386.42
371.02	50.755	386.29
371.05	50.747	385.93
371.14	50.722	385.2
371.24	50.695	384.68
371.34	50.667	384.39
371.44	50.638	384.29
371.54	50.608	384.36
371.64	50.578	384.56
371.74	50.548	384.89
371.84	50.517	385.33
371.94	50.486	385.88
372.	50.468	386.24
372.01	50.465	386.3
372.02	50.462	386.35
372.05	50.452	386.47
372.14	50.425	386.61
372.24	50.395	386.58
372.34	50.366	386.4
372.44	50.337	386.1
372.54	50.309	385.71
372.64	50.283	385.23
372.74	50.257	384.68
372.84	50.232	384.07
372.94	50.207	383.4
373.	50.193	382.98
373.01	50.19	382.91
373.02	50.188	382.84
373.05	50.181	382.65
373.14	50.16	382.14
373.24	50.137	381.62
373.34	50.114	381.14
373.44	50.092	380.68
373.54	50.069	380.25
373.64	50.046	379.83
373.74	50.023	379.43
373.84	50.	379.04
373.94	49.976	378.66
374.	49.962	378.43
374.01	49.96	378.39
374.02	49.957	378.35
374.05	49.95	378.22
374.14	49.928	377.77
374.24	49.904	377.2
374.34	49.879	376.58
374.44	49.854	375.92
374.54	49.829	375.22
374.64	49.803	374.49
374.74	49.777	373.73
374.84	49.75	372.94
374.94	49.723	372.13
375.	49.707	371.63
375.01	49.704	371.55
375.02	49.701	371.47
375.05	49.693	371.26
375.14	49.668	370.76
375.24	49.64	370.32
375.34	49.611	369.99
375.44	49.583	369.73
375.54	49.553	369.55
375.64	49.524	369.42
375.74	49.495	369.35
375.84	49.465	369.34
375.94	49.435	369.4
376.	49.418	369.45

	49.415	369.46
376.02	49.412	369.47
376.05	49.403	369.51
376.14	49.377	369.65
376.24	49.349	369.84
376.34	49.321	370.08
376.44	49.294	370.35
376.54	49.268	370.65
376.64	49.243	370.99
376.74	49.219	371.35
376.84	49.196	371.74
376.94	49.175	372.16
377.	49.163	372.42
377.01	49.16	372.46
377.02	49.158	372.5
377.05	49.153	372.61
377.14	49.136	372.86
377.24	49.118	373.07
377.34	49.102	373.23
377.44	49.087	373.37
377.54	49.074	373.48
377.64	49.062	373.56
377.74	49.051	373.62
377.84	49.041	373.67
377.94	49.033	373.69
378.	49.028	373.7
378.01	49.027	
378.02		
378.05	49.024	373.68
378.14	49.018	373.55
378.24	49.012	373.33
378.34	49.006	373.04
378.44	49.001	372.7
378.54	48.996	372.3
378.64	48.992	371.87
378.74	48.987	371.41
378.84	48.982	370.93
378.94	48.978	370.42
379.	48.975	370.11
379.01	48.974	370.06
379.02		370.01
379.05	48.972	369.88
379.14	48.967	369.63
379.24	48.962	369.46
379.34	48.956	369.38
379.44	48.949	369.36
379.54	48.943	369.39
379.64	48.936	369.48
379.74	48.928	369.6
379.84	48.921	369.75
379.94	48.913	369.94
380.	48.908	370.07
380.01		370.08
380.02	48.907	370.1
380.05	48.904	370.13
380.14	48.897	370.09
380.24	48.889	369.93
380.34	48.881	369.69
380.44	48.873	369.39
380.54	48.865	369.02
380.64	48.857	368.61
380.74	48.849	368.16
380.84	48.841	367.67
380.94	48.833	367.14
381.	48.828	366.81
381.01	48.827	366.76

381.02	48.826	366.7
381.05	48.824	366.54
381.14	48.816	366.01
381.24	48.807	365.41
381.34	48.797	364.79
381.44	48.787	364.14
381.54	48.776	363.47
381.64	48.764	362.78
381.74	48.752	362.07
381.84	48.738	361.34
381.94	48.723	360.6
382.	48.714	360.14
382.01	48.713	360.07
382.02	48.711	360.
382.05	48.706	359.81
382.14	48.692	359.38
382.24	48.674	359.03
382.34	48.656	358.78
382.44	48.637	358.61
382.54	48.618	358.51
382.64	48.598	358.46
382.74	48.577	
382.84	48.556	358.51
382.94	48.535	358.59
383.	48.522	358.66
383.01	48.52	358.67
383.02	48.517	
383.05	48.511	
383.14	48.491	358.52
383.24	48.47	358.23
383.34	48.448	357.84
383.44	48.426	357.39
383.54	48.405	356.88
383.64	48.383	356.32
383.74	48.362	355.71
383.84	48.341	355.07
383.94	48.32	354.39
384.	48.307	353.98
384.01	48.305	353.91
384.02	48.303	353.85
384.05	48.297	353.67
384.14	48.277	353.28
384.24	48.256	352.96
384.34	48.235	352.72
384.44	48.214	352.55
384.54	48.192	352.44
384.64	48.17	352.37
384.74	48.148	352.35
384.84	48.126	352.37
384.94	48.104	352.42
385.	48.091	352.46
385.01	48.089	352.47
385.02	48.087	
385.05	48.08	352.48
385.14	48.06	352.47
385.24	48.039	352.42
385.34	48.018	352.35
385.44	47.997	352.27
385.54	47.976	352.17
385.64	47.956	352.06
385.74	47.937	351.95
385.84	47.918	351.84
385.94	47.9	351.72
386.	47.889	351.64
386.01	47.888	351.63
386.02	47.886	351.62

386.05	47.88	351.58
386.14	47.865	351.47
386.24	47.848	351.35
386.34	47.832	351.23
386.44	47.817	351.11
386.54	47.801	350.99
386.64	47.786	350.88
386.74	47.772	350.76
386.84	47.758	350.64
386.94	47.744	350.52
387.	47.736	350.45
387.01	47.735	350.44
387.02	47.733	350.43
387.05	47.729	350.37
387.14	47.717	350.13
387.24	47.704	349.8
387.34	47.691	349.41
387.44	47.678	348.97
387.54	47.665	348.5
387.64	47.652	347.99
387.74	47.639	347.45
387.84	47.625	346.89
387.94	47.611	346.3
388.	47.603	345.94
388.01	47.602	345.89
388.02	47.6	345.83
388.05	47.596	345.68
388.14	47.583	345.34
388.24	47.569	345.06
388.34	47.554	344.86
388.44	47.539	344.72
388.54	47.523	344.63
388.64	47.507	344.58
388.74	47.491	344.57
388.84	47.474	344.6
388.94	47.458	344.65
389.	47.448	344.69
389.01	47.446	344.7
389.02	47.444	344.71
389.05	47.439	344.72
389.14	47.424	344.7
389.24	47.408	344.66
389.34	47.391	344.59
389.44	47.375	344.51
389.54	47.359	344.42
389.64	47.344	344.31
389.74	47.328	344.2
389.84	47.314	344.09
389.94	47.299	343.97
390.	47.291	343.89
390.01	47.29	343.88
390.02	47.288	343.87
390.05	47.284	343.83
390.14	47.272	343.72
390.24	47.259	343.59
390.34	47.246	343.47
390.44	47.233	343.35
390.54	47.221	343.22
390.64	47.209	343.09
390.74	47.197	342.97
390.84	47.185	342.84
390.94	47.174	342.72
391.	47.167	342.64
391.01	47.166	342.63
391.02	47.165	342.61
391.05	47.162	342.58

	47.152	342.46
391.24	47.141	342.32
391.34	47.13	342.18
391.44	47.12	342.04
391.54	47.109	341.89
391.64	47.099	341.74
391.74	47.089	341.6
391.84	47.079	341.45
391.94	47.069	341.3
392.	47.063	341.21
392.01	47.062	341.2
392.02	47.061	341.19
392.05	47.058	341.2
392.14	47.049	341.42
392.24	47.04	341.85
392.34	47.032	342.42
392.44	47.024	343.13
392.54	47.016	343.94
392.64	47.01	344.84
392.74	47.004	345.82
392.84	47.	346.89
392.94	46.997	348.02
393.	46.995	348.72
393.01		348.84
393.02		348.94
393.05	46.994	349.22
393.14		349.76
393.24		350.12
393.34	46.996	350.28
393.44	46.999	350.29
393.54	47.004	350.17
393.64	47.01	349.95
393.74	47.017	349.64
393.84	47.026	349.25
393.94	47.035	348.78
394.	47.041	348.47
394.01	47.042	348.42
394.02	47.043	348.37
394.05	47.046	348.21
394.14	47.055	347.68
394.24	47.065	347.04
394.34	47.075	346.36
394.44	47.084	345.62
394.54	47.092	344.84
394.64	47.1	344.02
394.74	47.106	343.16
394.84	47.11	342.25
394.94	47.114	341.31
395.	47.115	340.73
395.01		340.64
395.02		340.55
395.05	47.116	340.28
395.14		339.6
395.24	47.114	338.93
395.34	47.111	338.32
395.44	47.106	337.76
395.54	47.099	337.23
395.64	47.09	336.74
395.74	47.08	336.27
395.84	47.068	335.82
395.94	47.055	335.39
396.	47.046	335.13
396.01	47.045	335.1
396.02	47.044	335.07
396.05	47.039	335.03
396.14	47.025	335.24

396.24	47.009	335.78
396.34	46.993	336.57
396.44	46.977	337.57
396.54	46.961	338.76
396.64	46.946	340.1
396.74	46.931	341.58
396.84	46.918	343.19
396.94	46.906	344.93
397.	46.9	346.01
397.01	46.898	346.18
397.02	46.897	346.34
397.05	46.894	346.75
397.14	46.887	347.49
397.24	46.88	347.88
397.34	46.874	347.94
397.44	46.871	347.73
397.54	46.87	347.31
397.64	46.871	346.7
397.74	46.874	345.94
397.84	46.878	345.03
397.94	46.884	343.99
398.	46.887	343.33
398.01	46.888	343.22
398.02		343.11
398.05	46.89	342.82
398.14	46.896	342.03
398.24	46.903	341.25
398.34	46.91	340.52
398.44	46.915	339.82
398.54	46.92	339.15
398.64	46.924	338.49
398.74	46.926	337.84
398.84		337.2
398.94	46.925	336.55
399.	46.923	336.16
399.01		336.1
399.02		336.04
399.05	46.922	335.87
399.14	46.918	335.48
399.24	46.912	335.15
399.34	46.904	334.88
399.44	46.895	334.68
399.54	46.885	334.53
399.64	46.874	334.43
399.74	46.862	334.37
399.84	46.849	334.34
399.94	46.836	
400.	46.827	334.35
400.01	46.826	
400.02	46.825	
400.05	46.82	334.33
400.14	46.807	334.17
400.24	46.792	333.9
400.34	46.776	333.56
400.44	46.76	333.17
400.54	46.744	332.74
400.64	46.728	332.26
400.74	46.712	331.76
400.84	46.696	331.22
400.94	46.679	330.66
401.	46.669	330.32
401.01	46.667	330.26
401.02	46.666	330.21
401.05	46.66	330.05
401.14	46.645	329.64
401.24	46.628	329.24

401.34	46.61	328.88
401.44	46.592	328.54
401.54	46.574	328.24
401.64	46.556	327.95
401.74	46.536	327.68
401.84	46.517	327.42
401.94	46.497	327.18
402.	46.485	327.04
402.01	46.483	327.02
402.02	46.481	326.99
402.05	46.475	326.92
402.14	46.457	326.67
402.24	46.437	326.38
402.34	46.416	326.08
402.44	46.395	325.77
402.54	46.374	325.46
402.64	46.353	325.13
402.74	46.332	324.81
402.84	46.31	324.48
402.94	46.289	324.15
403.	46.276	323.95
403.01	46.274	323.91
403.02	46.272	323.88
403.05	46.266	323.77
403.14	46.246	323.4
403.24	46.225	322.96
403.34	46.203	322.48
403.44	46.181	322.32
403.54	46.159	322.29
403.64	46.137	322.26
403.74	46.114	322.22
403.84	46.092	322.17
403.94	46.069	322.13
404.	46.055	322.1
404.01	46.052	322.09
404.02	46.05	
404.05	46.043	
404.14	46.022	322.1
404.24	45.998	322.12
404.34	45.974	322.16
404.44	45.949	322.21
404.54	45.925	322.28
404.64	45.9	322.35
404.74	45.875	322.42
404.84	45.85	322.51
404.94	45.826	322.6
405.	45.811	322.66
405.01	45.808	
405.02	45.806	322.67
405.05	45.798	322.7
405.14	45.776	322.76
405.24	45.752	322.82
405.34	45.728	322.88
405.44	45.704	322.93
405.54	45.681	322.99
405.64	45.659	323.04
405.74	45.637	323.08
405.84	45.615	323.13
405.94	45.594	323.18
406.	45.582	323.2
406.01	45.58	323.21
406.02	45.578	
406.05	45.572	323.22
406.14	45.554	323.23
406.24	45.534	
406.34	45.515	323.22

406.44	45.496	323.21
406.54	45.477	323.18
406.64	45.459	323.15
406.74	45.44	323.12
406.84	45.422	323.08
406.94	45.403	323.03
407.	45.392	323.
407.01	45.39	
407.02	45.388	
407.05	45.383	
407.14	45.366	323.01
407.24	45.348	323.04
407.34	45.329	323.08
407.44	45.31	323.14
407.54	45.291	323.21
407.64	45.272	323.29
407.74	45.253	323.37
407.84	45.234	323.46
407.94	45.216	323.56
408.	45.204	323.63
408.01	45.202	
408.02	45.201	323.64
408.05	45.195	323.66
408.14	45.178	323.7
408.24	45.16	323.73
408.34	45.141	323.74
408.44	45.124	323.75
408.54	45.106	323.74
408.64	45.089	323.73
408.74	45.072	323.71
408.84	45.055	323.68
408.94	45.039	323.65
409.	45.029	323.63
409.01	45.027	323.62
409.02	45.026	
409.05	45.021	323.63
409.14	45.006	323.67
409.24	44.991	323.75
409.34	44.975	323.85
409.44	44.96	323.96
409.54	44.945	324.09
409.64	44.931	324.23
409.74	44.916	324.38
409.84	44.902	324.55
409.94	44.889	324.73
410.	44.881	324.84
410.01	44.879	324.85
410.02	44.878	324.87
410.05	44.874	324.91
410.14	44.863	324.99
410.24	44.851	325.07
410.34	44.84	325.12
410.44	44.829	325.16
410.54	44.819	325.19
410.64	44.81	325.21
410.74	44.802	325.22
410.84	44.794	
410.94	44.787	325.21
411.	44.783	325.2
411.01	44.782	
411.02		
411.05	44.78	
411.14	44.774	325.21
411.24	44.768	325.22
411.34	44.762	325.24
411.44	44.757	325.26

411.54	44.751	325.27
411.64	44.745	325.29
411.74	44.739	325.31
411.84	44.733	325.33
411.94	44.726	325.35
412.	44.722	325.36
412.01	44.721	325.37
412.02		
412.05	44.719	325.38
412.14	44.712	325.4
412.24	44.705	325.42
412.34	44.698	325.45
412.44	44.69	325.47
412.54	44.682	325.5
412.64	44.674	325.53
412.74	44.666	325.56
412.84	44.657	325.59
412.94	44.649	325.62
413.	44.643	325.63
413.01		325.64
413.02	44.642	
413.05	44.639	325.65
413.14	44.631	325.68
413.24	44.622	325.71
413.34	44.613	325.75
413.44	44.604	325.78
413.54	44.595	325.81
413.64	44.586	325.85
413.74	44.577	325.89
413.84	44.567	325.92
413.94	44.558	325.96
414.	44.553	325.98
414.01	44.552	325.99
414.02	44.551	326.
414.05	44.548	326.02
414.14	44.54	326.14
414.24	44.532	326.31
414.34	44.524	326.5
414.44	44.516	326.71
414.54	44.509	326.94
414.64	44.503	327.19
414.74	44.497	327.45
414.84	44.493	327.73
414.94	44.489	328.03
415.	44.488	328.21
415.01	44.487	328.24
415.02		328.26
415.05	44.486	328.33
415.14	44.485	328.47
415.24		328.59
415.34	44.486	328.69
415.44	44.488	328.75
415.54	44.492	328.8
415.64	44.496	328.83
415.74	44.502	328.84
415.84	44.509	328.83
415.94	44.517	328.81
416.	44.522	328.8
416.01	44.523	328.79
416.02	44.524	
416.05	44.526	
416.14	44.534	328.78
416.24	44.544	328.77
416.34	44.553	328.76
416.44	44.562	328.75
416.54	44.57	328.73

416.64	44.578	328.72
416.74	44.586	328.7
416.84	44.593	328.68
416.94	44.598	328.65
417.	44.602	328.64
417.01		328.63
417.02	44.603	
417.05	44.604	328.62
417.14	44.608	328.59
417.24	44.611	328.55
417.34	44.613	328.51
417.44	44.614	328.47
417.54		328.42
417.64	44.613	328.37
417.74	44.611	328.32
417.84	44.608	328.26
417.94	44.604	328.2
418.	44.601	328.17
418.01	44.6	328.16
418.02		
418.05	44.598	328.15
418.14	44.593	328.14
418.24	44.586	328.16
418.34	44.578	328.18
418.44	44.57	328.22
418.54	44.56	328.27
418.64	44.55	328.33
418.74	44.54	328.39
418.84	44.528	328.46
418.94	44.517	328.54
419.	44.51	328.59
419.01	44.509	328.6
419.02	44.508	328.61
419.05	44.504	328.64
419.14	44.493	328.74
419.24	44.482	328.87
419.34	44.47	329.02
419.44	44.459	329.17
419.54	44.448	329.33
419.64	44.438	329.51
419.74	44.428	329.69
419.84	44.419	329.88
419.94	44.412	330.07
420.	44.407	330.2
420.01	44.406	330.21
420.02		330.23
420.05	44.404	330.26
420.14	44.398	330.32
420.24	44.393	330.35
420.34	44.388	330.34
420.44	44.384	330.3
420.54	44.38	330.25
420.64	44.378	330.17
420.74	44.375	330.07
420.84	44.373	329.95
420.94	44.372	329.82
421.	44.37	329.74
421.01		329.73
421.02		329.72
421.05	44.369	329.69
421.14	44.368	329.62
421.24	44.365	329.57
421.34	44.362	329.52
421.44	44.359	329.49
421.54	44.354	329.46
421.64	44.349	329.44

421.74	44.342	329.42
421.84	44.334	329.4
421.94	44.326	329.39
422.	44.32	
422.01		
422.02	44.319	
422.05	44.316	
422.14	44.306	329.42
422.24	44.296	329.45
422.34	44.284	329.5
422.44	44.272	329.56
422.54	44.26	329.63
422.64	44.247	329.7
422.74	44.234	329.78
422.84	44.221	329.87
422.94	44.208	329.96
423.	44.2	330.02
423.01	44.199	330.03
423.02	44.197	330.04
423.05	44.193	330.06
423.14	44.182	330.12
423.24	44.169	330.19
423.34	44.157	330.25
423.44	44.145	330.3
423.54	44.134	330.35
423.64	44.123	330.4
423.74	44.113	330.45
423.84	44.103	330.5
423.94	44.093	330.54
424.	44.088	330.57
424.01	44.087	330.58
424.02	44.086	
424.05	44.083	330.6
424.14	44.075	330.67
424.24	44.067	330.75
424.34	44.06	330.84
424.44	44.053	330.93
424.54	44.046	331.03
424.64	44.04	331.14
424.74	44.035	331.25
424.84	44.029	331.37
424.94	44.025	331.48
425.	44.022	331.56
425.01		331.57
425.02	44.021	331.58
425.05	44.02	331.6
425.14	44.017	331.66
425.24	44.014	331.72
425.34	44.011	331.75
425.44	44.008	331.78
425.54	44.007	331.8
425.64	44.005	331.81
425.74	44.004	331.82
425.84	44.003	
425.94	44.002	331.81
426.		331.8
426.01		
426.02		
426.05		
426.14	44.001	331.78
426.24		331.75
426.34	44.	331.73
426.44	43.999	331.69
426.54	43.997	331.66
426.64	43.995	331.62
426.74	43.993	331.57

426.84	43.99	331.53
426.94	43.986	331.47
427.	43.984	331.44
427.01	43.983	
427.02		331.43
427.05	43.982	
427.14	43.977	
427.24	43.972	331.44
427.34	43.966	331.47
427.44	43.96	331.5
427.54	43.953	331.55
427.64	43.945	331.6
427.74	43.937	331.66
427.84	43.929	331.72
427.94	43.92	331.79
428.	43.915	331.83
428.01	43.914	331.84
428.02	43.913	331.85
428.05	43.91	331.87
428.14	43.902	331.94
428.24	43.893	332.02
428.34	43.884	332.11
428.44	43.876	332.2
428.54	43.867	332.29
428.64	43.859	332.39
428.74	43.851	332.49
428.84	43.844	332.59
428.94	43.837	332.69
429.	43.834	332.76
429.01	43.833	332.77
429.02	43.832	
429.05	43.831	332.79
429.14	43.825	332.82
429.24	43.82	
429.34	43.815	332.81
429.44	43.81	332.78
429.54	43.805	332.74
429.64	43.801	332.69
429.74	43.797	332.62
429.84	43.793	332.54
429.94	43.789	332.46
430.	43.786	332.4
430.01		332.39
430.02		
430.05	43.784	332.38
430.14	43.78	
430.24	43.776	332.41
430.34	43.771	332.45
430.44	43.766	332.52
430.54	43.761	332.6
430.64	43.755	332.69
430.74	43.749	332.79
430.84	43.742	332.91
430.94	43.735	333.03
431.	43.731	333.11
431.01		333.12
431.02	43.73	333.13
431.05	43.728	333.15
431.14	43.722	333.19
431.24	43.715	333.21
431.34	43.708	333.2
431.44	43.701	333.18
431.54	43.695	333.15
431.64	43.688	333.1
431.74	43.682	333.05
431.84	43.675	332.98

431.94	43.669	332.91
432.	43.665	332.86
432.01		332.85
432.02	43.664	332.84
432.05	43.662	332.83
432.14	43.656	332.79
432.24	43.65	332.75
432.34	43.643	332.72
432.44	43.635	332.7
432.54	43.628	332.68
432.64	43.619	332.66
432.74	43.61	332.64
432.84	43.601	332.63
432.94	43.591	332.61
433.	43.584	
433.01	43.583	332.6
433.02	43.582	
433.05	43.579	
433.14	43.569	332.59
433.24	43.557	332.57
433.34	43.545	332.56
433.44	43.533	332.54
433.54	43.52	332.52
433.64	43.507	332.51
433.74	43.493	332.49
433.84	43.48	332.48
433.94	43.466	332.46
434.	43.457	332.45
434.01	43.456	
434.02	43.454	
434.05	43.45	
434.14	43.437	332.48
434.24	43.423	332.53
434.34	43.409	332.59
434.44	43.395	332.67
434.54	43.381	332.75
434.64	43.367	332.84
434.74	43.353	332.95
434.84	43.34	333.06
434.94	43.327	333.17
435.	43.32	333.24
435.01	43.318	333.25
435.02	43.317	333.26
435.05	43.313	333.29
435.14	43.303	333.34
435.24	43.291	333.38
435.34	43.28	333.4
435.44	43.269	333.42
435.54	43.26	
435.64	43.25	
435.74	43.242	333.41
435.84	43.234	333.39
435.94	43.226	333.37
436.	43.221	333.35
436.01		
436.02	43.22	
436.05	43.218	
436.14	43.211	333.34
436.24	43.205	333.35
436.34	43.198	
436.44	43.192	333.37
436.54	43.185	333.38
436.64	43.179	333.4
436.74	43.172	333.41
436.84	43.166	333.44
436.94	43.159	333.46

437.	43.155	333.47
437.01		
437.02	43.154	333.48
437.05	43.152	
437.14	43.146	333.47
437.24	43.139	333.46
437.34	43.131	333.43
437.44	43.124	333.4
437.54	43.117	333.37
437.64	43.109	333.33
437.74	43.101	333.28
437.84	43.093	333.23
437.94	43.085	333.18
438.	43.08	333.15
438.01	43.079	333.14
438.02	43.078	
438.05	43.076	333.13
438.14	43.068	333.1
438.24	43.059	333.08
438.34	43.05	333.06
438.44	43.04	333.04
438.54	43.03	333.03
438.64	43.02	333.02
438.74	43.009	333.01
438.84	42.998	
438.94	42.986	
439.	42.979	333.
439.01	42.978	
439.02	42.977	
439.05	42.974	
439.14	42.963	332.97
439.24	42.95	332.94
439.34	42.938	332.9
439.44	42.925	332.86
439.54	42.912	332.81
439.64	42.899	332.76
439.74	42.885	332.71
439.84	42.872	332.65
439.94	42.858	332.59
440.	42.85	332.55
440.01	42.848	332.54
440.02	42.847	
440.05	42.842	332.53
440.14	42.83	332.5
440.24	42.815	332.49
440.34	42.8	332.48
440.44	42.786	
440.54	42.77	
440.64	42.755	332.5
440.74	42.74	332.51
440.84	42.724	332.53
440.94	42.709	332.56
441.	42.699	332.57
441.01	42.698	
441.02	42.696	
441.05	42.691	
441.14	42.677	332.56
441.24	42.662	332.54
441.34	42.646	332.51
441.44	42.63	332.46
441.54	42.615	332.42
441.64	42.599	332.37
441.74	42.584	332.31
441.84	42.569	332.26
441.94	42.554	332.21
442.	42.545	332.19

442.01	42.543	332.18
442.02	42.542	
442.05	42.537	332.17
442.14	42.523	332.13
442.24	42.508	332.1
442.34	42.493	332.06
442.44	42.477	332.02
442.54	42.461	331.99
442.64	42.445	331.96
442.74	42.429	331.93
442.84	42.413	331.9
442.94	42.396	331.87
443.	42.386	331.86
443.01	42.384	
443.02	42.383	331.85
443.05	42.377	
443.14	42.362	331.82
443.24	42.345	331.8
443.34	42.328	331.78
443.44	42.311	331.76
443.54	42.294	331.74
443.64	42.277	331.72
443.74	42.26	
443.84	42.243	331.73
443.94	42.226	331.76
444.	42.216	331.77
444.01	42.215	
444.02	42.213	331.78
444.05	42.208	
444.14	42.194	331.81
444.24	42.178	331.84
444.34	42.162	331.88
444.44	42.147	331.92
444.54	42.133	331.96
444.64	42.119	332.
444.74	42.105	332.05
444.84	42.093	332.1
444.94	42.08	332.15
445.	42.073	332.18
445.01	42.072	
445.02	42.071	
445.05	42.067	332.19
445.14	42.057	332.2
445.24	42.047	332.21
445.34	42.037	332.2
445.44	42.027	332.18
445.54	42.018	332.16
445.64	42.009	332.13
445.74	42.001	332.1
445.84	41.993	332.06
445.94	41.985	332.02
446.	41.98	331.99
446.01		
446.02	41.979	331.98
446.05	41.977	331.97
446.14	41.97	331.95
446.24	41.963	331.92
446.34	41.956	331.89
446.44	41.949	331.87
446.54	41.941	331.84
446.64	41.934	331.82
446.74	41.926	331.8
446.84	41.919	331.78
446.94	41.911	331.76
447.	41.906	331.75
447.01		

447.02	41.905	331.74
447.05	41.902	331.73
447.14	41.895	331.7
447.24	41.886	331.66
447.34	41.878	331.62
447.44	41.869	331.59
447.54	41.86	331.56
447.64	41.851	331.53
447.74	41.841	331.5
447.84	41.831	331.46
447.94	41.821	331.43
448.	41.815	331.41
448.01	41.814	
448.02	41.813	331.4
448.05	41.81	
448.14	41.801	331.37
448.24	41.79	331.34
448.34	41.779	331.32
448.44	41.768	331.29
448.54	41.757	331.27
448.64	41.745	331.25
448.74	41.734	331.23
448.84	41.722	331.21
448.94	41.71	331.2
449.	41.703	331.19
449.01	41.702	
449.02	41.701	
449.05	41.697	331.18
449.14	41.686	
449.24	41.674	331.19
449.34	41.663	331.21
449.44	41.651	331.23
449.54	41.64	331.26
449.64	41.629	331.29
449.74	41.618	331.32
449.84	41.608	331.35
449.94	41.598	331.38
450.	41.593	331.4
450.01	41.592	331.41
450.02	41.591	
450.05	41.588	
450.14	41.579	331.42
450.24	41.571	331.41
450.34	41.562	331.39
450.44	41.554	331.37
450.54	41.546	331.34
450.64	41.539	331.31
450.74	41.531	331.27
450.84	41.524	331.23
450.94	41.517	331.19
451.	41.513	331.17
451.01		
451.02	41.512	331.16
451.05	41.51	331.15
451.14	41.504	331.13
451.24	41.497	331.1
451.34	41.491	331.08
451.44	41.484	331.06
451.54	41.477	331.03
451.64	41.47	331.01
451.74	41.463	330.99
451.84	41.456	330.97
451.94	41.448	330.95
452.	41.444	330.94
452.01	41.443	
452.02	41.442	

452.05	41.44	330.93
452.14	41.433	330.92
452.24	41.425	330.89
452.34	41.417	330.87
452.44	41.408	330.85
452.54	41.4	330.83
452.64	41.391	330.81
452.74	41.382	330.78
452.84	41.373	330.76
452.94	41.364	330.74
453.	41.358	330.72
453.01	41.357	
453.02	41.356	
453.05	41.354	330.71
453.14	41.345	330.69
453.24	41.335	330.66
453.34	41.325	330.64
453.44	41.315	330.62
453.54	41.304	330.59
453.64	41.293	330.57
453.74	41.282	330.54
453.84	41.271	330.52
453.94	41.259	330.49
454.	41.252	330.48
454.01	41.251	
454.02	41.25	330.47
454.05	41.247	
454.14	41.236	330.44
454.24	41.224	330.42
454.34	41.212	330.39
454.44	41.2	330.37
454.54	41.188	330.34
454.64	41.176	330.32
454.74	41.163	330.29
454.84	41.151	330.26
454.94	41.139	330.24
455.	41.132	330.22
455.01	41.13	
455.02	41.129	
455.05	41.125	330.21
455.14	41.114	330.19
455.24	41.102	330.16
455.34	41.09	330.14
455.44	41.078	330.11
455.54	41.066	330.08
455.64	41.054	330.06
455.74	41.042	330.03
455.84	41.03	330.01
455.94	41.018	329.98
456.	41.011	329.97
456.01	41.01	329.96
456.02	41.009	
456.05	41.005	329.95
456.14	40.995	329.93
456.24	40.983	329.9
456.34	40.972	329.88
456.44	40.96	329.85
456.54	40.949	329.83
456.64	40.938	329.8
456.74	40.927	329.78
456.84	40.916	329.76
456.94	40.905	329.74
457.	40.899	329.72
457.01	40.898	
457.02	40.897	
457.05	40.894	329.71

457.14	40.885	329.69
457.24	40.875	329.67
457.34	40.865	329.66
457.44	40.855	329.64
457.54	40.846	329.62
457.64	40.837	329.6
457.74	40.829	329.58
457.84	40.82	329.57
457.94	40.812	329.55
458.	40.807	329.54
458.01	40.806	
458.02	40.805	329.53
458.05	40.803	
458.14	40.796	329.51
458.24	40.788	329.5
458.34	40.78	329.48
458.44	40.773	329.46
458.54	40.765	329.44
458.64	40.758	329.42
458.74	40.75	329.4
458.84	40.743	329.38
458.94	40.735	329.36
459.	40.731	329.34
459.01	40.73	
459.02	40.729	
459.05	40.727	329.33
459.14	40.72	329.31
459.24	40.712	329.29
459.34	40.704	329.26
459.44	40.697	329.24
459.54	40.689	329.21
459.64	40.681	329.19
459.74	40.673	329.17
459.84	40.665	329.15
459.94	40.657	329.13
460.	40.652	329.12
460.01	40.651	329.11
460.02		
460.05	40.648	
460.14	40.641	329.09
460.24	40.633	329.07
460.34	40.626	329.06
460.44	40.618	329.04
460.54	40.611	329.02
460.64	40.604	329.01
460.74	40.597	328.99
460.84	40.59	328.97
460.94	40.583	328.95
461.	40.579	328.94
461.01	40.578	328.93
461.02	40.577	
461.05	40.575	
461.14	40.569	328.9
461.24	40.562	328.88
461.34	40.555	328.86
461.44	40.548	328.83
461.54	40.541	328.81
461.64	40.534	328.78
461.74	40.526	328.75
461.84	40.519	328.73
461.94	40.511	328.71
462.	40.506	328.69
462.01	40.505	
462.02	40.504	
462.05	40.502	328.68
462.14	40.495	328.66

462.24	40.487	328.63
462.34	40.479	328.61
462.44	40.471	328.59
462.54	40.462	328.57
462.64	40.454	328.54
462.74	40.446	328.52
462.84	40.438	328.5
462.94	40.43	328.47
463.	40.425	328.46
463.01		328.45
463.02	40.424	
463.05	40.421	328.44
463.14	40.414	328.42
463.24	40.406	328.4
463.34	40.398	328.37
463.44	40.391	328.34
463.54	40.383	328.32
463.64	40.375	328.3
463.74	40.367	328.27
463.84	40.36	328.25
463.94	40.352	328.23
464.	40.347	328.21
464.01		
464.02	40.346	
464.05	40.344	328.2
464.14	40.337	328.19
464.24	40.33	328.17
464.34	40.323	328.15
464.44	40.316	328.13
464.54	40.31	328.12
464.64	40.303	328.1
464.74	40.297	328.08
464.84	40.292	328.07
464.94	40.286	328.05
465.	40.282	328.04
465.01		
465.02	40.281	328.03
465.05	40.28	
465.14	40.275	328.01
465.24	40.269	327.99
465.34	40.264	327.97
465.44	40.259	327.95
465.54	40.253	327.93
465.64	40.248	327.91
465.74	40.242	327.89
465.84	40.236	327.86
465.94	40.23	327.84
466.	40.226	327.82
466.01		
466.02	40.225	
466.05	40.223	327.81
466.14	40.217	327.79
466.24	40.211	327.76
466.34	40.204	327.73
466.44	40.197	327.7
466.54	40.189	327.67
466.64	40.182	327.65
466.74	40.174	327.62
466.84	40.166	327.59
466.94	40.158	327.56
467.	40.153	327.54
467.01	40.152	327.53
467.02	40.151	
467.05	40.149	327.52
467.14	40.141	327.5
467.24	40.132	327.47

467.34	40.124	327.44
467.44	40.115	327.41
467.54	40.106	327.38
467.64	40.097	327.35
467.74	40.088	327.32
467.84	40.08	327.29
467.94	40.071	327.26
468.	40.066	327.25
468.01	40.065	327.24
468.02	40.064	
468.05	40.061	327.23
468.14	40.054	327.21
468.24	40.045	327.18
468.34	40.037	327.16
468.44	40.029	327.13
468.54	40.021	327.11
468.64	40.013	327.08
468.74	40.005	327.06
468.84	39.997	327.03
468.94	39.989	327.
469.	39.985	326.99
469.01	39.984	326.98
469.02	39.983	
469.05	39.981	326.97
469.14	39.974	326.95
469.24	39.966	326.92
469.34	39.959	326.89
469.44	39.952	326.87
469.54	39.944	326.84
469.64	39.937	326.81
469.74	39.929	326.78
469.84	39.922	326.75
469.94	39.914	326.73
470.	39.91	326.71
470.01	39.909	
470.02	39.908	
470.05	39.906	326.7
470.14	39.9	326.67
470.24	39.892	326.65
470.34	39.885	326.62
470.44	39.877	326.6
470.54	39.87	326.57
470.64	39.863	326.54
470.74	39.856	326.52
470.84	39.849	326.49
470.94	39.841	326.46
471.	39.837	326.44
471.01	39.836	
471.02		
471.05	39.833	326.43
471.14	39.827	326.4
471.24	39.82	326.37
471.34	39.813	326.34
471.44	39.805	326.32
471.54	39.798	326.29
471.64	39.79	326.25
471.74	39.783	326.22
471.84	39.775	326.19
471.94	39.767	326.16
472.	39.763	326.14
472.01	39.762	
472.02	39.761	
472.05	39.759	326.13
472.14	39.752	326.1
472.24	39.744	326.07
472.34	39.736	326.04

472.44	39.728	326.01
472.54	39.72	325.98
472.64	39.713	325.95
472.74	39.705	325.92
472.84	39.697	325.89
472.94	39.689	325.86
473.	39.685	325.84
473.01	39.684	
473.02	39.683	
473.05	39.681	325.83
473.14	39.674	325.8
473.24	39.667	325.78
473.34	39.659	325.75
473.44	39.652	325.72
473.54	39.645	325.69
473.64	39.637	325.67
473.74	39.63	325.64
473.84	39.623	325.61
473.94	39.616	325.58
474.	39.612	325.56
474.01	39.611	
474.02		
474.05	39.609	325.55
474.14	39.602	325.52
474.24	39.595	325.49
474.34	39.588	325.46
474.44	39.581	325.43
474.54	39.574	325.4
474.64	39.567	325.37
474.74	39.56	325.34
474.84	39.552	325.31
474.94	39.545	325.27
475.	39.541	325.26
475.01	39.54	325.25
475.02	39.539	
475.05	39.537	325.24
475.14	39.53	325.21
475.24	39.523	325.18
475.34	39.515	325.15
475.44	39.508	325.12
475.54	39.501	325.09
475.64	39.493	325.06
475.74	39.486	325.03
475.84	39.479	325.
475.94	39.472	324.97
476.	39.468	324.96
476.01		
476.02	39.467	324.95
476.05	39.465	324.94
476.14	39.459	324.92
476.24	39.453	324.9
476.34	39.447	324.87
476.44	39.441	324.85
476.54	39.435	324.83
476.64	39.429	324.8
476.74	39.423	324.78
476.84	39.418	324.75
476.94	39.413	324.73
477.	39.409	324.71
477.01		
477.02	39.408	324.7
477.05	39.407	
477.14	39.402	324.67
477.24	39.397	324.64
477.34	39.392	324.61
477.44	39.386	324.59

477.54	39.381	324.56
477.64	39.375	324.53
477.74	39.369	324.5
477.84	39.363	324.47
477.94	39.357	324.43
478.	39.354	324.42
478.01	39.353	324.41
478.02	39.352	
478.05	39.351	324.4
478.14	39.345	324.37
478.24	39.338	324.34
478.34	39.332	324.31
478.44	39.326	324.28
478.54	39.319	324.25
478.64	39.313	324.22
478.74	39.306	324.19
478.84	39.3	324.16
478.94	39.293	324.13
479.	39.29	324.11
479.01	39.289	
479.02	39.288	
479.05	39.286	324.1
479.14	39.281	324.08
479.24	39.275	324.05
479.34	39.269	324.02
479.44	39.263	324.
479.54	39.258	323.97
479.64	39.252	323.95
479.74	39.247	323.93
479.84	39.242	323.9
479.94	39.237	323.88
480.	39.234	323.86
480.01		
480.02		
480.05	39.232	323.85
480.14	39.228	323.83
480.24	39.224	323.81
480.34	39.219	323.78
480.44	39.215	323.76
480.54	39.211	323.73
480.64	39.206	323.71
480.74	39.202	323.68
480.84	39.198	323.66
480.94	39.194	323.63
481.	39.191	323.62
481.01		323.61
481.02	39.19	
481.05	39.189	323.6
481.14	39.185	323.58
481.24	39.181	323.55
481.34	39.177	323.53
481.44	39.173	323.5
481.54	39.168	323.47
481.64	39.164	323.45
481.74	39.159	323.42
481.84	39.155	323.4
481.94	39.151	323.37
482.	39.148	323.36
482.01		
482.02	39.147	323.35
482.05	39.146	
482.14	39.142	323.33
482.24	39.138	323.3
482.34	39.134	323.28
482.44	39.13	323.26
482.54	39.127	323.24

482.64	39.123	323.22
482.74	39.119	323.2
482.84	39.116	323.18
482.94	39.113	323.16
483.	39.111	323.14
483.01	39.11	
483.02		
483.05	39.109	323.13
483.14	39.106	323.11
483.24	39.103	323.09
483.34	39.1	323.07
483.44	39.097	323.04
483.54	39.093	323.02
483.64	39.09	323.
483.74	39.087	322.97
483.84	39.083	322.95
483.94	39.08	322.92
484.	39.078	322.91
484.01	39.077	
484.02		322.9
484.05	39.076	
484.14	39.072	322.87
484.24	39.068	322.85
484.34	39.064	322.82
484.44	39.06	322.79
484.54	39.056	322.77
484.64	39.052	322.74
484.74	39.047	322.71
484.84	39.043	322.69
484.94	39.038	322.66
485.	39.035	322.65
485.01		322.64
485.02	39.034	
485.05	39.033	322.63
485.14	39.029	322.61
485.24	39.024	322.58
485.34	39.019	322.56
485.44	39.015	322.53
485.54	39.01	322.51
485.64	39.005	322.48
485.74	39.	322.46
485.84	38.996	322.43
485.94	38.991	322.41
486.	38.988	322.39
486.01		
486.02	38.987	
486.05	38.986	322.38
486.14	38.982	322.36
486.24	38.977	322.33
486.34	38.973	322.31
486.44	38.968	322.28
486.54	38.963	322.26
486.64	38.959	322.23
486.74	38.954	322.2
486.84	38.95	322.18
486.94	38.945	322.15
487.	38.942	322.14
487.01		322.13
487.02	38.941	
487.05	38.94	322.12
487.14	38.936	322.1
487.24	38.931	322.07
487.34	38.926	322.04
487.44	38.921	322.02
487.54	38.916	321.99
487.64	38.911	321.96

487.74	38.906	321.93
487.84	38.901	321.9
487.94	38.895	321.88
488.	38.892	321.86
488.01	38.891	
488.02		321.85
488.05	38.889	321.84
488.14	38.884	321.82
488.24	38.879	321.79
488.34	38.873	321.76
488.44	38.868	321.73
488.54	38.862	321.7
488.64	38.857	321.67
488.74	38.851	321.65
488.84	38.845	321.62
488.94	38.84	321.59
489.	38.836	321.57
489.01		
489.02	38.835	
489.05	38.833	321.56
489.14	38.828	321.53
489.24	38.823	321.51
489.34	38.817	321.48
489.44	38.812	321.45
489.54	38.806	321.42
489.64	38.801	321.4
489.74	38.795	321.37
489.84	38.79	321.34
489.94	38.784	321.31
490.	38.781	321.29
490.01	38.78	
490.02		
490.05	38.778	321.28
490.14	38.773	321.25
490.24	38.768	321.23
490.34	38.763	321.2
490.44	38.757	321.17
490.54	38.752	321.14
490.64	38.747	321.11
490.74	38.741	321.08
490.84	38.736	321.06
490.94	38.731	321.03
491.	38.728	321.01
491.01	38.727	
491.02		
491.05	38.725	321.
491.14	38.721	320.98
491.24	38.716	320.95
491.34	38.711	320.93
491.44	38.707	320.91
491.54	38.702	320.88
491.64	38.698	320.86
491.74	38.694	320.83
491.84	38.689	320.81
491.94	38.685	320.78
492.	38.683	320.77
492.01	38.682	
492.02		320.76
492.05	38.681	
492.14	38.677	320.73
492.24	38.673	320.71
492.34	38.669	320.68
492.44	38.665	320.65
492.54	38.661	320.63
492.64	38.656	320.6
492.74	38.652	320.57

492.84	38.648	320.54
492.94	38.643	320.51
493.	38.64	320.5
493.01		320.49
493.02	38.639	
493.05	38.638	320.48
493.14	38.634	320.46
493.24	38.629	320.43
493.34	38.624	320.4
493.44	38.619	320.37
493.54	38.614	320.34
493.64	38.609	320.31
493.74	38.604	320.28
493.84	38.599	320.26
493.94	38.594	320.23
494.	38.591	320.21
494.01	38.59	
494.02		320.2
494.05	38.588	
494.14	38.583	320.17
494.24	38.578	320.14
494.34	38.573	320.11
494.44	38.567	320.08
494.54	38.562	320.05
494.64	38.557	320.02
494.74	38.551	319.99
494.84	38.546	319.96
494.94	38.54	319.93
495.	38.537	319.92
495.01	38.536	319.91
495.02		
495.05	38.534	319.9
495.14	38.529	319.87
495.24	38.523	319.84
495.34	38.518	319.81
495.44	38.512	319.78
495.54	38.506	319.75
495.64	38.501	319.72
495.74	38.495	319.69
495.84	38.489	319.66
495.94	38.483	319.63
496.	38.48	319.61
496.01	38.479	319.6
496.02		
496.05	38.477	319.59
496.14	38.472	319.56
496.24	38.466	319.53
496.34	38.46	319.5
496.44	38.454	319.47
496.54	38.449	319.44
496.64	38.443	319.42
496.74	38.438	319.39
496.84	38.432	319.36
496.94	38.427	319.33
497.	38.424	319.31
497.01	38.423	
497.02		
497.05	38.421	319.3
497.14	38.416	319.27
497.24	38.411	319.25
497.34	38.406	319.22
497.44	38.401	319.19
497.54	38.396	319.16
497.64	38.391	319.13
497.74	38.387	319.11
497.84	38.382	319.08

497.94	38.377	319.05
498.	38.374	319.03
498.01		
498.02	38.373	
498.05	38.372	319.02
498.14	38.367	318.99
498.24	38.363	318.96
498.34	38.358	318.93
498.44	38.353	318.9
498.54	38.348	318.87
498.64	38.343	318.84
498.74	38.338	318.81
498.84	38.333	318.78
498.94	38.328	318.75
499.	38.325	318.73
499.01	38.324	
499.02		318.72
499.05	38.322	318.71
499.14	38.318	318.69
499.24	38.312	318.66
499.34	38.307	318.63
499.44	38.302	318.6
499.54	38.297	318.57
499.64	38.292	318.54
499.74	38.287	318.51
499.84	38.282	318.48
499.94	38.277	318.45
500.	38.274	318.44
500.01	38.273	318.43
500.02		
500.05	38.271	318.42
500.14	38.267	318.39
500.24	38.262	318.36
500.34	38.257	318.34
500.44	38.252	318.31
500.54	38.247	318.28
500.64	38.242	318.25
500.74	38.237	318.22
500.84	38.232	318.19
500.94	38.227	318.15
501.	38.224	318.14
501.01		318.13
501.02	38.223	
501.05	38.222	318.12
501.14	38.217	318.09
501.24	38.212	318.06
501.34	38.207	318.03
501.44	38.202	318.
501.54	38.196	317.96
501.64	38.191	317.93
501.74	38.186	317.9
501.84	38.18	317.87
501.94	38.175	317.84
502.	38.171	317.82
502.01		317.81
502.02	38.17	
502.05	38.169	317.8
502.14	38.164	317.77
502.24	38.158	317.74
502.34	38.153	317.71
502.44	38.147	317.68
502.54	38.141	317.65
502.64	38.136	317.62
502.74	38.13	317.58
502.84	38.125	317.55
502.94	38.119	317.52

503.	38.116	317.5
503.01	38.115	
503.02		317.49
503.05	38.113	317.48
503.14	38.108	317.45
503.24	38.102	317.42
503.34	38.096	317.39
503.44	38.091	317.35
503.54	38.085	317.32
503.64	38.079	317.28
503.74	38.073	317.25
503.84	38.067	317.21
503.94	38.061	317.18
504.	38.057	317.16
504.01	38.056	317.15
504.02		
504.05	38.054	317.14
504.14	38.048	317.11
504.24	38.042	317.08
504.34	38.036	317.04
504.44	38.03	317.01
504.54	38.024	316.97
504.64	38.017	316.94
504.74	38.011	316.91
504.84	38.005	316.87
504.94	37.999	316.84
505.	37.995	316.82
505.01		
505.02	37.994	316.81
505.05	37.992	316.8
505.14	37.987	316.77
505.24	37.981	316.74
505.34	37.975	316.7
505.44	37.969	316.67
505.54	37.963	316.64
505.64	37.957	316.6
505.74	37.951	316.57
505.84	37.945	316.53
505.94	37.939	316.5
506.	37.935	316.48
506.01	37.934	316.47
506.02		
506.05	37.932	316.46
506.14	37.926	316.43
506.24	37.92	316.39
506.34	37.914	316.36
506.44	37.908	316.32
506.54	37.902	316.29
506.64	37.896	316.25
506.74	37.89	316.21
506.84	37.883	316.18
506.94	37.877	316.14
507.	37.874	316.12
507.01	37.873	
507.02	37.872	316.11
507.05	37.87	316.1
507.14	37.865	316.07
507.24	37.859	316.04
507.34	37.852	316.
507.44	37.846	315.96
507.54	37.84	315.93
507.64	37.834	315.89
507.74	37.828	315.86
507.84	37.821	315.82
507.94	37.815	315.79
508.	37.812	315.77

508.01	37.811	315.76
508.02	37.81	
508.05	37.809	315.75
508.14	37.803	315.72
508.24	37.797	315.68
508.34	37.791	315.64
508.44	37.785	315.61
508.54	37.779	315.57
508.64	37.773	315.54
508.74	37.766	315.5
508.84	37.76	315.46
508.94	37.754	315.43
509.	37.751	315.41
509.01	37.75	315.4
509.02		
509.05	37.748	315.39
509.14	37.742	315.36
509.24	37.736	315.32
509.34	37.73	315.29
509.44	37.725	315.25
509.54	37.719	315.21
509.64	37.713	315.18
509.74	37.707	315.14
509.84	37.701	315.11
509.94	37.696	315.08
510.	37.692	315.05
510.01		
510.02	37.691	
510.05	37.69	315.04
510.14	37.685	315.01
510.24	37.679	314.97
510.34	37.674	314.94
510.44	37.668	314.9
510.54	37.663	314.87
510.64	37.658	314.84
510.74	37.653	314.8
510.84	37.648	314.77
510.94	37.643	314.74
511.	37.64	314.72
511.01	37.639	314.71
511.02		
511.05	37.637	314.7
511.14	37.633	314.67
511.24	37.628	314.63
511.34	37.623	314.6
511.44	37.618	314.57
511.54	37.613	314.53
511.64	37.608	314.5
511.74	37.603	314.46
511.84	37.598	314.43
511.94	37.593	314.39
512.	37.59	314.37
512.01		
512.02	37.589	
512.05	37.588	314.36
512.14	37.583	314.33
512.24	37.578	314.29
512.34	37.574	314.26
512.44	37.569	314.22
512.54	37.564	314.19
512.64	37.559	314.15
512.74	37.554	314.12
512.84	37.549	314.08
512.94	37.544	314.05
513.	37.541	314.03
513.01		

513.02	37.54	314.02
513.05	37.538	314.01
513.14	37.534	313.98
513.24	37.528	313.94
513.34	37.523	313.91
513.44	37.518	313.87
513.54	37.513	313.84
513.64	37.508	313.8
513.74	37.503	313.77
513.84	37.498	313.73
513.94	37.493	313.7
514.	37.49	313.67
514.01	37.489	
514.02		
514.05	37.487	313.66
514.14	37.483	313.62
514.24	37.478	313.59
514.34	37.472	313.55
514.44	37.467	313.52
514.54	37.462	313.49
514.64	37.457	313.46
514.74	37.452	313.43
514.84	37.447	313.4
514.94	37.442	313.37
515.	37.439	313.35
515.01		313.34
515.02	37.438	
515.05	37.437	313.33
515.14	37.433	313.31
515.24	37.428	313.28
515.34	37.423	313.25
515.44	37.419	313.22
515.54	37.414	313.19
515.64	37.41	313.16
515.74	37.405	313.13
515.84	37.401	313.1
515.94	37.397	313.07
516.	37.394	313.05
516.01		
516.02		
516.05	37.392	313.04
516.14	37.388	313.01
516.24	37.384	312.98
516.34	37.38	312.95
516.44	37.376	312.91
516.54	37.371	312.88
516.64	37.367	312.85
516.74	37.363	312.82
516.84	37.358	312.79
516.94	37.354	312.75
517.	37.351	312.74
517.01		312.73
517.02	37.35	
517.05	37.349	312.72
517.14	37.345	312.69
517.24	37.34	312.66
517.34	37.336	312.63
517.44	37.331	312.6
517.54	37.327	312.57
517.64	37.323	312.54
517.74	37.319	312.51
517.84	37.315	312.48
517.94	37.311	312.45
518.	37.308	312.44
518.01		312.43
518.02	37.307	

518.05	37.306	312.42
518.14	37.303	312.4
518.24	37.299	312.37
518.34	37.295	312.34
518.44	37.292	312.31
518.54	37.288	312.28
518.64	37.285	312.26
518.74	37.281	312.23
518.84	37.278	312.2
518.94	37.275	312.17
519.	37.273	312.15
519.01	37.272	
519.02		
519.05	37.271	312.14
519.14	37.268	312.11
519.24	37.265	312.08
519.34	37.261	312.05
519.44	37.258	312.02
519.54	37.254	311.99
519.64	37.25	311.96
519.74	37.247	311.93
519.84	37.243	311.9
519.94	37.239	311.87
520.	37.237	311.85
520.01		311.84
520.02	37.236	
520.05	37.235	311.83
520.14	37.231	311.8
520.24	37.227	311.77
520.34	37.223	311.74
520.44	37.219	311.71
520.54	37.215	311.68
520.64	37.211	311.65
520.74	37.207	311.62
520.84	37.203	311.59
520.94	37.199	311.56
521.	37.197	311.54
521.01	37.196	
521.02		
521.05	37.195	311.53
521.14	37.191	311.5
521.24	37.187	311.47
521.34	37.183	311.44
521.44	37.179	311.41
521.54	37.175	311.38
521.64	37.171	311.35
521.74	37.166	311.32
521.84	37.162	311.28
521.94	37.158	311.25
522.	37.156	311.24
522.01	37.155	311.23
522.02		
522.05	37.154	311.22
522.14	37.15	311.19
522.24	37.146	311.16
522.34	37.142	311.13
522.44	37.138	311.1
522.54	37.134	311.07
522.64	37.13	311.04
522.74	37.126	311.02
522.84	37.122	310.99
522.94	37.118	310.96
523.	37.116	310.94
523.01		
523.02	37.115	310.93
523.05	37.114	310.92

523.14	37.111	310.9
523.24	37.107	310.87
523.34	37.103	310.84
523.44	37.1	310.81
523.54	37.096	310.78
523.64	37.092	310.75
523.74	37.088	310.72
523.84	37.085	310.69
523.94	37.081	310.66
524.	37.079	310.64
524.01	37.078	
524.02		
524.05	37.077	310.63
524.14	37.074	310.6
524.24	37.07	310.57
524.34	37.066	310.54
524.44	37.062	310.51
524.54	37.059	310.48
524.64	37.055	310.45
524.74	37.051	310.42
524.84	37.047	310.39
524.94	37.044	310.36
525.	37.041	310.34
525.01		
525.02		
525.05	37.04	310.33
525.14	37.036	310.3
525.24	37.032	310.27
525.34	37.029	310.24
525.44	37.025	310.21
525.54	37.021	310.18
525.64	37.018	310.15
525.74	37.014	310.12
525.84	37.01	310.09
525.94	37.007	310.06
526.	37.004	310.05
526.01		310.04
526.02		
526.05	37.003	310.03
526.14	36.999	310.
526.24	36.996	309.97
526.34	36.992	309.94
526.44	36.988	309.91
526.54	36.985	309.88
526.64	36.981	309.85
526.74	36.977	309.82
526.84	36.974	309.79
526.94	36.97	309.76
527.	36.968	309.75
527.01	36.967	309.74
527.02		
527.05	36.966	309.73
527.14	36.962	309.7
527.24	36.959	309.67
527.34	36.955	309.64
527.44	36.951	309.62
527.54	36.948	309.59
527.64	36.944	309.56
527.74	36.94	309.53
527.84	36.937	309.5
527.94	36.933	309.47
528.	36.931	309.45
528.01	36.93	
528.02		309.44
528.05	36.929	
528.14	36.926	309.41

528.24	36.922	309.38
528.34	36.919	309.35
528.44	36.915	309.32
528.54	36.912	309.29
528.64	36.908	309.26
528.74	36.905	309.23
528.84	36.901	309.21
528.94	36.898	309.18
529.	36.896	309.16
529.01	36.895	
529.02		309.15
529.05	36.894	309.14
529.14	36.891	309.12
529.24	36.887	309.09
529.34	36.884	309.06
529.44	36.88	309.03
529.54	36.877	309.
529.64	36.873	308.97
529.74	36.87	308.94
529.84	36.866	308.91
529.94	36.862	308.88
530.	36.86	308.86
530.01		
530.02		308.85
530.05	36.858	
530.14	36.855	308.82
530.24	36.851	308.79
530.34	36.848	308.76
530.44	36.844	308.73
530.54	36.84	308.7
530.64	36.837	308.67
530.74	36.833	308.64
530.84	36.829	308.61
530.94	36.825	308.58
531.	36.823	308.56
531.01		
531.02	36.822	
531.05	36.821	308.55
531.14	36.818	308.52
531.24	36.814	308.49
531.34	36.811	308.46
531.44	36.807	308.43
531.54	36.803	308.4
531.64	36.799	308.37
531.74	36.796	308.34
531.84	36.792	308.31
531.94	36.788	308.28
532.	36.786	308.26
532.01		
532.02	36.785	
532.05	36.784	308.25
532.14	36.781	308.22
532.24	36.777	308.19
532.34	36.774	308.16
532.44	36.77	308.13
532.54	36.767	308.1
532.64	36.763	308.07
532.74	36.759	308.05
532.84	36.756	308.02
532.94	36.752	307.99
533.	36.75	307.97
533.01		
533.02	36.749	307.96
533.05	36.748	307.95
533.14	36.745	307.93
533.24	36.741	307.9

533.34	36.738	307.87
533.44	36.734	307.84
533.54	36.731	307.81
533.64	36.727	307.78
533.74	36.724	307.75
533.84	36.72	307.72
533.94	36.717	307.69
534.	36.715	307.68
534.01	36.714	307.67
534.02		
534.05	36.713	307.66
534.14	36.71	307.63
534.24	36.706	307.6
534.34	36.703	307.58
534.44	36.699	307.55
534.54	36.696	307.52
534.64	36.693	307.49
534.74	36.689	307.46
534.84	36.686	307.43
534.94	36.682	307.4
535.	36.68	307.38
535.01		
535.02	36.679	
535.05	36.678	307.37
535.14	36.675	307.34
535.24	36.672	307.31
535.34	36.669	307.28
535.44	36.665	307.25
535.54	36.662	307.22
535.64	36.658	307.2
535.74	36.655	307.17
535.84	36.651	307.14
535.94	36.648	307.11
536.	36.646	307.09
536.01		
536.02	36.645	307.08
536.05	36.644	307.07
536.14	36.641	307.05
536.24	36.638	307.02
536.34	36.634	306.99
536.44	36.631	306.96
536.54	36.628	306.93
536.64	36.624	306.9
536.74	36.621	306.87
536.84	36.617	306.84
536.94	36.614	306.81
537.	36.612	306.8
537.01	36.611	306.79
537.02		
537.05	36.61	306.78
537.14	36.607	306.75
537.24	36.603	306.72
537.34	36.6	306.69
537.44	36.596	306.67
537.54	36.593	306.64
537.64	36.589	306.61
537.74	36.586	306.58
537.84	36.582	306.55
537.94	36.579	306.52
538.	36.577	306.5
538.01	36.576	
538.02		306.49
538.05	36.575	
538.14	36.572	306.46
538.24	36.568	306.43
538.34	36.565	306.4

538.44	36.561	306.37
538.54	36.558	306.34
538.64	36.554	306.31
538.74	36.551	306.28
538.84	36.547	306.25
538.94	36.544	306.22
539.	36.542	306.21
539.01		306.2
539.02	36.541	
539.05	36.54	306.19
539.14	36.537	306.16
539.24	36.534	306.14
539.34	36.53	306.11
539.44	36.527	306.08
539.54	36.523	306.05
539.64	36.52	306.02
539.74	36.516	305.99
539.84	36.513	305.96
539.94	36.509	305.93
540.	36.507	305.91
540.01		
540.02		
540.05	36.506	305.9
540.14	36.502	305.87
540.24	36.499	305.84
540.34	36.495	305.81
540.44	36.492	305.78
540.54	36.489	305.75
540.64	36.485	305.72
540.74	36.482	305.69
540.84	36.478	305.66
540.94	36.475	305.63
541.	36.473	305.62
541.01	36.472	305.61
541.02		
541.05	36.471	305.6
541.14	36.468	305.58
541.24	36.464	305.55
541.34	36.461	305.52
541.44	36.457	305.49
541.54	36.454	305.46
541.64	36.45	305.43
541.74	36.447	305.4
541.84	36.443	305.37
541.94	36.44	305.34
542.	36.438	305.32
542.01		
542.02	36.437	305.31
542.05	36.436	
542.14	36.433	305.28
542.24	36.429	305.25
542.34	36.426	305.22
542.44	36.422	305.19
542.54	36.419	305.16
542.64	36.415	305.13
542.74	36.411	305.1
542.84	36.408	305.07
542.94	36.404	305.04
543.	36.402	305.02
543.01		
543.02	36.401	305.01
543.05	36.4	
543.14	36.397	304.98
543.24	36.393	304.95
543.34	36.39	304.92
543.44	36.386	304.89

543.54	36.382	304.86
543.64	36.379	304.83
543.74	36.375	304.8
543.84	36.371	304.77
543.94	36.368	304.74
544.	36.366	304.72
544.01	36.365	
544.02		
544.05	36.364	304.71
544.14	36.36	304.68
544.24	36.357	304.65
544.34	36.353	304.62
544.44	36.349	304.59
544.54	36.346	304.56
544.64	36.342	304.53
544.74	36.339	304.5
544.84	36.335	304.47
544.94	36.331	304.44
545.	36.329	304.42
545.01		
545.02	36.328	
545.05	36.327	304.41
545.14	36.324	304.38
545.24	36.321	304.35
545.34	36.317	304.32
545.44	36.314	304.29
545.54	36.31	304.26
545.64	36.307	304.23
545.74	36.303	304.21
545.84	36.3	304.18
545.94	36.297	304.15
546.	36.295	304.13
546.01	36.294	
546.02		304.12
546.05	36.293	
546.14	36.29	304.09
546.24	36.287	304.06
546.34	36.283	304.03
546.44	36.28	304.
546.54	36.277	303.97
546.64	36.273	303.94
546.74	36.27	303.91
546.84	36.267	303.88
546.94	36.263	303.85
547.	36.261	303.83
547.01		
547.02		
547.05	36.26	303.82
547.14	36.257	303.79
547.24	36.253	303.76
547.34	36.25	303.73
547.44	36.246	303.7
547.54	36.243	303.67
547.64	36.24	303.64
547.74	36.236	303.61
547.84	36.233	303.58
547.94	36.23	303.55
548.	36.228	303.54
548.01	36.227	303.53
548.02		
548.05	36.226	303.52
548.14	36.223	303.5
548.24	36.22	303.47
548.34	36.216	303.44
548.44	36.213	303.41
548.54	36.21	303.38

548.64	36.206	303.35
548.74	36.203	303.32
548.84	36.2	303.29
548.94	36.196	303.26
549.	36.194	303.24
549.01		
549.02		
549.05	36.193	303.23
549.14	36.19	303.2
549.24	36.186	303.17
549.34	36.183	303.14
549.44	36.18	303.11
549.54	36.176	303.08
549.64	36.173	303.05
549.74	36.169	303.02
549.84	36.166	302.99
549.94	36.162	302.96
550.	36.16	302.94
550.5	36.143	302.79
551.	36.125	302.64
552.5	36.073	302.2
557.	35.92	300.88
562.	35.759	299.43
567.	35.605	297.99
572.	35.456	296.57
577.	35.312	295.15
582.	35.171	293.75
587.	35.034	292.37
592.	34.9	290.99
597.	34.769	289.63
600.	34.692	288.82
606.	34.539	287.22
612.	34.389	285.63
630.	33.94	281.05
684.	32.893	268.42
738.	31.953	256.93
798.	31.033	245.14
858.	30.221	234.28
918.	29.501	224.27
978.	28.859	214.93
1038.	28.284	206.24
1098.	27.767	198.1
1158.	27.299	190.46
1200.	26.994	185.35
1212.	26.903	183.92
1224.	26.816	182.5
1260.	26.585	178.37
1296.	26.363	174.39
1404.	25.788	163.6
1512.	25.293	153.78
1632.	24.822	143.92
1752.	24.414	134.96
1872.	24.061	126.8
1992.	23.753	119.32
2112.	23.485	112.45
2232.	23.249	106.12
2352.	23.043	100.28
2400.	22.966	98.017
2412.	22.945	97.457
2424.	22.925	96.902
2460.	22.866	95.286
2568.	22.725	90.729
2676.	22.595	86.475
2796.	22.467	82.09
2916.	22.355	78.016
3036.	22.255	74.226

3156.	22.167	70.698
3276.	22.09	67.411
3396.	22.022	64.344
3516.	21.961	61.483
3600.	21.923	59.573
3612.	21.917	59.303
3624.	21.911	59.035
3660.	21.894	58.249
3768.	21.855	56.323
3876.	21.818	55.014
3996.	21.783	53.634
4116.	21.751	52.325
4236.	21.724	51.082
4356.	21.7	49.901
4476.	21.68	48.909
4596.	21.662	47.964
4716.	21.647	47.059
4800.	21.638	46.444
4812.	21.637	46.357
4824.	21.635	46.27
4860.	21.631	46.012
4968.	21.623	45.268
5076.	21.615	44.552
5196.	21.608	43.825
5316.	21.602	43.182
5436.	21.598	42.56
5556.	21.595	41.959
5676.	21.594	41.378
5796.	21.593	40.816
5916.		40.273
6000.		39.902
6012.		39.849
6024.		39.797
6060.		39.64
6168.	21.595	39.184
6276.	21.597	38.742
6396.	21.599	38.266
6516.	21.603	37.805
6636.	21.606	37.358
6756.	21.61	36.926
6876.	21.614	36.507
6996.	21.619	36.1
7116.	21.624	35.706
7200.	21.627	35.436

Material Data

Drum Contents

TABLE 32
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 33
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 34
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 35
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 36
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 37
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 38
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 39
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 40
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 41
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 42
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 43
Room Steel > Constants

Density	7854 kg m^-3

TABLE 44
Room Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85

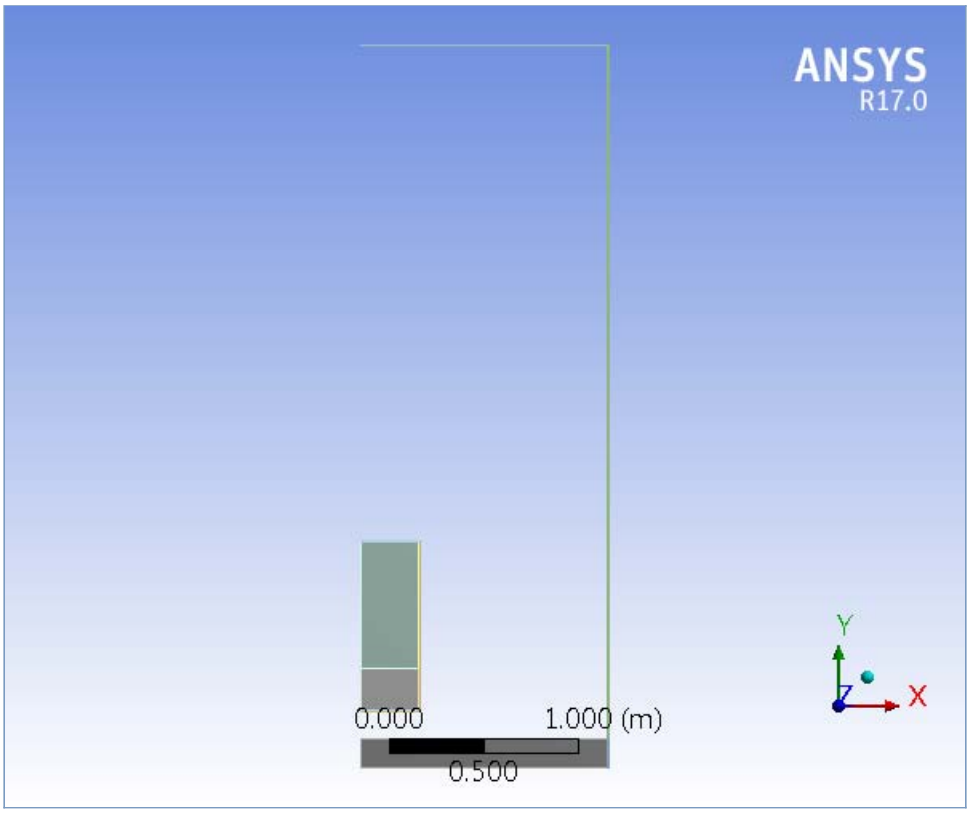
56.7	126.85
48	326.85

TABLE 45
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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  - Mesh
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        - Result Charts
      - Results
- **Material Data**
  - Drum Contents
  - Drum Steel
  - Air
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  - Room Steel

Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (J4)

Geometry

TABLE 2
Model (J4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-22\DM\SYS-22.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	
Volume	N/A
Mass	N/A
Surface Area(approx.)	0.50726 m²
Scale Factor Value	1.
Statistics	
Bodies	18

Active Bodies	18
Nodes	6194
Elements	1792
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (J4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										
Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											

Nodes	821	205	40	161	2277	447	205	40	351	62	557
Elements	252	54	9	42	720	120	54	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (J4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed						
Graphics Properties							
Visible	Yes						
Transparency	1						
Definition							
Suppressed	No						
Stiffness Behavior	Flexible						
Coordinate System	Default Coordinate System						
Reference Temperature	By Environment						
Behavior	None						
Material							
Assignment	Room Steel		Drum Steel				
Nonlinear Effects	Yes						
Thermal Strain Effects	Yes						
Bounding Box							
Length X	6.35e-003 m	1.3035 m	0.30797 m	3.4036e-003 m			0.30797 m
Length Y	6.35e-003 m		3.4036e-003 m		0.89558 m	3.4037e-003 m	
Properties							
Volume	N/A						
Mass	N/A						
Centroid X	N/A						
Centroid Y	N/A						
Centroid Z	N/A						
Moment of Inertia Ip1	N/A						
Moment of Inertia Ip2	N/A						
Moment of Inertia Ip3	N/A						
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²	1.0482e-003 m²	1.1584e-005 m²	3.0482e-003 m²	1.1584e-005 m²	1.0482e-003 m²
Statistics							
Nodes	40	227	172	40	337	40	172
Elements	9	60	45	9	90	9	45
Mesh Metric	None						

Coordinate Systems

TABLE 5
Model (J4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m
Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (J4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	

Enabled	Yes

TABLE 7
Model (J4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.27e-004 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	18
Active Connections	18

TABLE 8
Model (J4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.27e-004 m										
Suppressed	No										
Advanced											
Formulation	Program Controlled										
Detection Method	Program Controlled										
Elastic Slip Tolerance	Program Controlled										
Thermal Conductance	Program Controlled										
Pinball Region	Program Controlled										
Geometric Modification											
Contact Geometry Correction	None										
Target Geometry Correction	None										

TABLE 9
Model (J4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*	*Contact Region 15*	*Contact Region 16*	*Contact Region 17*	*Contact Region 18*
State	Fully Defined						
Scope							

Scoping Method	Geometry Selection
Contact	1 Edge
Target	1 Edge
Contact Bodies	Surface Body
Target Bodies	Surface Body
Shell Thickness Effect	No
Definition	
Type	Bonded
Scope Mode	Automatic
Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	1.27e-004 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

Mesh

TABLE 10
Model (J4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes

Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	6194
Elements	1792
Mesh Metric	None

TABLE 11
Model (J4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Edge Sizing 10*	*Edge Sizing 11*
State	Fully Defined										
Scope											
Scoping Method	Named Selection										
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	SWB Thickness	SWB Horizontal Line
Definition											
Suppressed	No										
Type	Number of Divisions										
Number of Divisions	3	18	14	40	5	25	3	50	20	3	15
Behavior	Hard										
Bias Type	No Bias										

TABLE 12
Model (J4) > Mesh > Mesh Controls

Object Name	*Edge Sizing 12*	*Face Meshing*
State	Fully Defined	
Scope		
Scoping Method	Named Selection	Geometry Selection
Named Selection	SWB Verical Line	
Geometry		18 Faces
Definition		
Suppressed	No	
Type	Number of Divisions	
Number of Divisions	30	
Behavior	Hard	
Bias Type	No Bias	
Mapped Mesh		Yes
Method		Quadrilaterals
Constrain Boundary		No
Advanced		
Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 13
Model (J4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*	*SWB Thickness*	*SWB Horizontal Line*
State	Fully Defined										
Scope											
Scoping Method	Worksheet			Geometry Selection	Worksheet						
Geometry	8 Edges	4 Edges		1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges	
Definition											

Send to Solver	Yes									
Visible	Yes									
Program Controlled Inflation	Exclude									
Statistics										
Type	Manual									
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m	4.765e-002 m	1.2319 m
Suppressed	0									
Used by Mesh Worksheet	No									
Tolerance										
Tolerance Type	Program Controlled					Program Controlled				
Zero Tolerance	1.e-008					1.e-008				
Relative Tolerance	1.e-003					1.e-003				

TABLE 14
Model (J4) > Named Selections > Named Selections

Object Name	*SWB Verical Line*
State	Fully Defined
Scope	
Scoping Method	Worksheet
Geometry	2 Edges
Definition	
Send to Solver	Yes
Visible	Yes
Program Controlled Inflation	Exclude
Statistics	
Type	Manual
Total Selection	2 Edges
Length	1.7912 m
Suppressed	0
Used by Mesh Worksheet	No
Tolerance	
Tolerance Type	Program Controlled
Zero Tolerance	1.e-008
Relative Tolerance	1.e-003

Transient Thermal (J5)

TABLE 15
Model (J4) > Analysis

Object Name	*Transient Thermal (J5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 16
Model (J4) > Transient Thermal (J5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined
Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 17
Model (J4) > Transient Thermal (J5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	160.
Current Step Number	160.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	600.
Axisymmetry Divisions	240.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-22\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 18
Model (J4) > Transient Thermal (J5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			
12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			

20	40. s
21	42. s
22	44. s
23	46. s
24	48. s
25	50. s
26	52. s
27	54. s
28	56. s
29	58. s
30	60. s
31	62. s
32	64. s
33	66. s
34	68. s
35	70. s
36	72. s
37	74. s
38	76. s
39	78. s
40	80. s
41	82. s
42	84. s
43	86. s
44	88. s
45	90. s
46	92. s
47	94. s
48	96. s
49	98. s
50	100. s
51	102. s
52	104. s
53	106. s
54	108. s
55	110. s
56	112. s
57	114. s
58	116. s
59	118. s
60	120. s
61	122. s
62	124. s
63	126. s
64	128. s
65	130. s
66	132. s
67	134. s
68	136. s
69	138. s
70	140. s
71	142. s
72	144. s
73	146. s
74	148. s
75	150. s
76	152. s
77	154. s
78	156. s
79	158. s
80	160. s
81	162. s
82	164. s
83	166. s
84	168. s
85	170. s

	172. s				
87	174. s				
88	176. s				
89	178. s				
90	180. s				
91	182. s				
92	184. s				
93	186. s				
94	188. s				
95	190. s				
96	192. s				
97	194. s				
98	196. s				
99	198. s				
100	200. s				
101	202. s				
102	204. s				
103	206. s				
104	208. s				
105	210. s				
106	212. s				
107	214. s				
108	216. s				
109	218. s				
110	220. s				
111	222. s				
112	224. s				
113	226. s				
114	228. s				
115	230. s				
116	232. s				
117	234. s				
118	236. s				
119	238. s	2.e-002 s			
120	240. s				
121	242. s				
122	244. s				
123	246. s				
124	248. s				
125	250. s				
126	252. s				
127	254. s				
128	256. s				
129	258. s				
130	260. s				
131	262. s				
132	264. s				
133	266. s				
134	268. s				
135	270. s				
136	272. s				
137	274. s				
138	276. s				
139	278. s				
140	280. s				
141	282. s				
142	284. s				
143	286. s				
144	288. s				
145	290. s				
146	292. s				
147	294. s				
148	296. s				
149	298. s				
150	300. s				
151	302. s				

			2.e-003 s		

				0.2 s
152	400. s	0.98 s	9.8e-002 s	9.8 s
153	500. s	1. s	0.1 s	10. s
154	600. s			
155	1200. s	6. s	0.6 s	60. s
156	2400. s	12. s	1.2 s	120. s
157	3600. s			
158	4800. s			
159	6000. s			
160	7200. s			

TABLE 19
Model (J4) > Transient Thermal (J5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*	*Radiation 8*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Geometry	1 Edge	2 Edges	1 Edge	3 Edges	1 Edge	2 Edges	1 Edge	5 Edges		1 Edge	2 Edges
Definition											
Type	Temperature	Radiation						Convection	Heat Flux	Radiation	
Magnitude	22.25 °C (step applied)								Tabular Data		
Suppressed	No										
Correlation		Surface to Surface								Surface to Surface	
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			0.9 (step applied)	
Enclosure		1.								2.	
Enclosure Type		Perfect								Perfect	
Film Coefficient								Tabular Data			
Ambient Temperature								Tabular Data			
Convection Matrix								Program Controlled			
Edit Data For								Film Coefficient			
Tabular Data											
Independent Variable								Time			

FIGURE 1
Model (J4) > Transient Thermal (J5) > Temperature

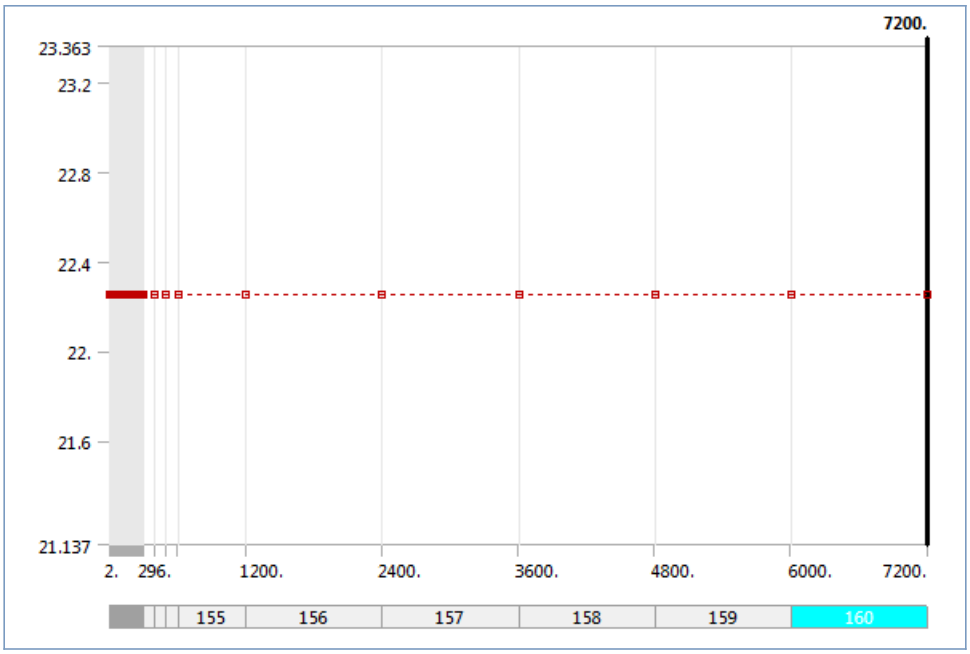


FIGURE 2
Model (J4) > Transient Thermal (J5) > Radiation 2

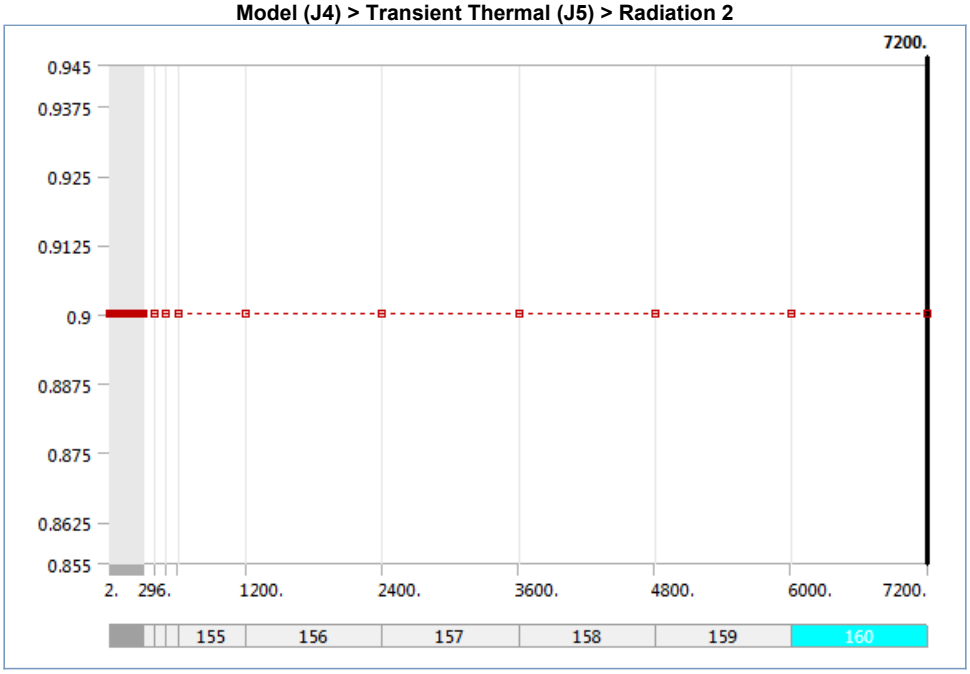


FIGURE 3
Model (J4) > Transient Thermal (J5) > Radiation 3

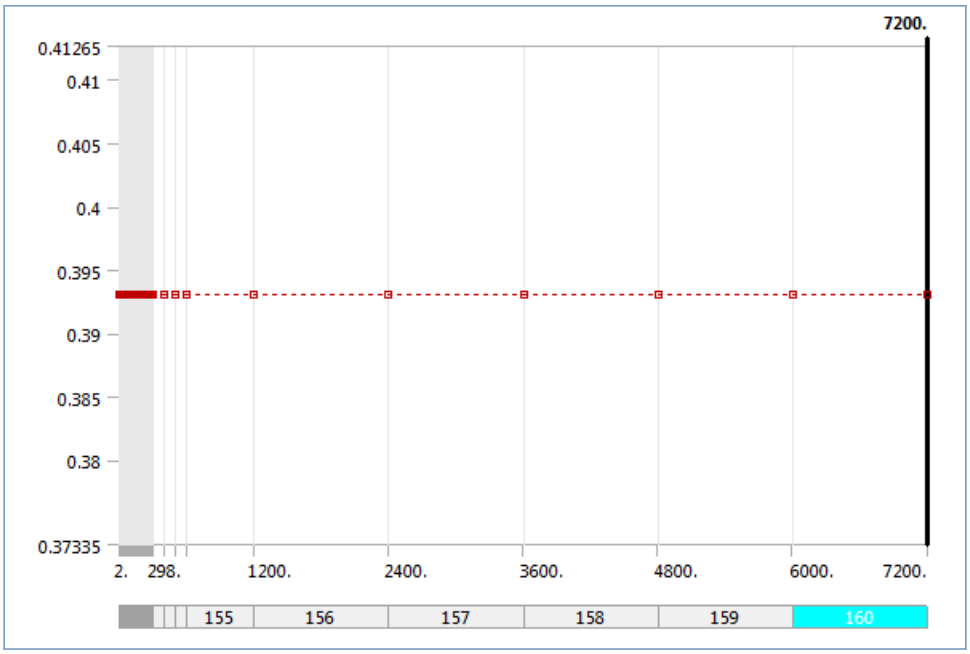


FIGURE 4
Model (J4) > Transient Thermal (J5) > Radiation 4

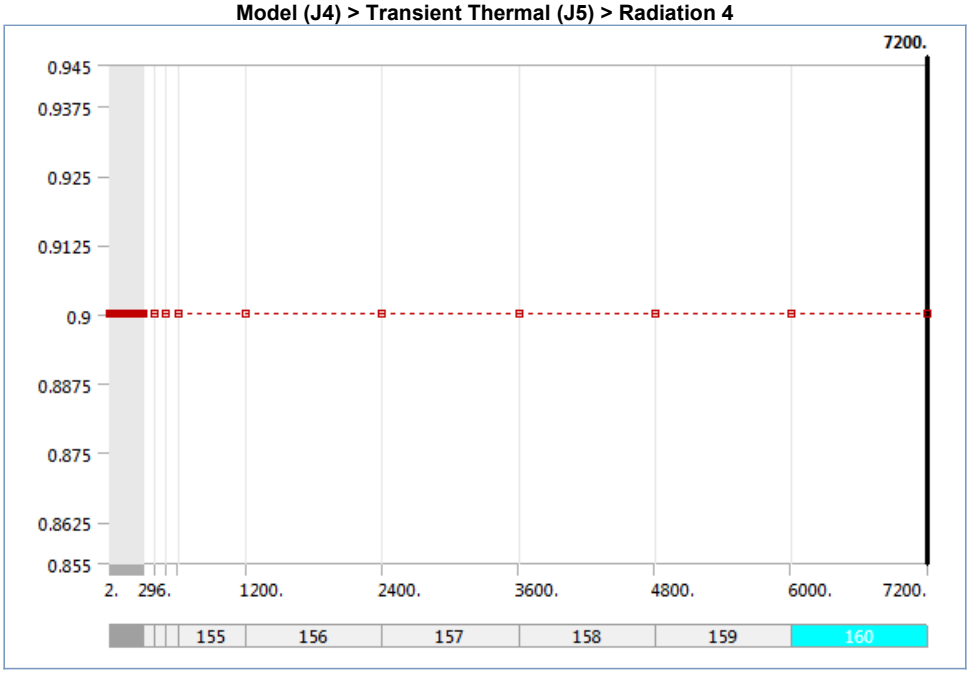


FIGURE 5
Model (J4) > Transient Thermal (J5) > Radiation 5

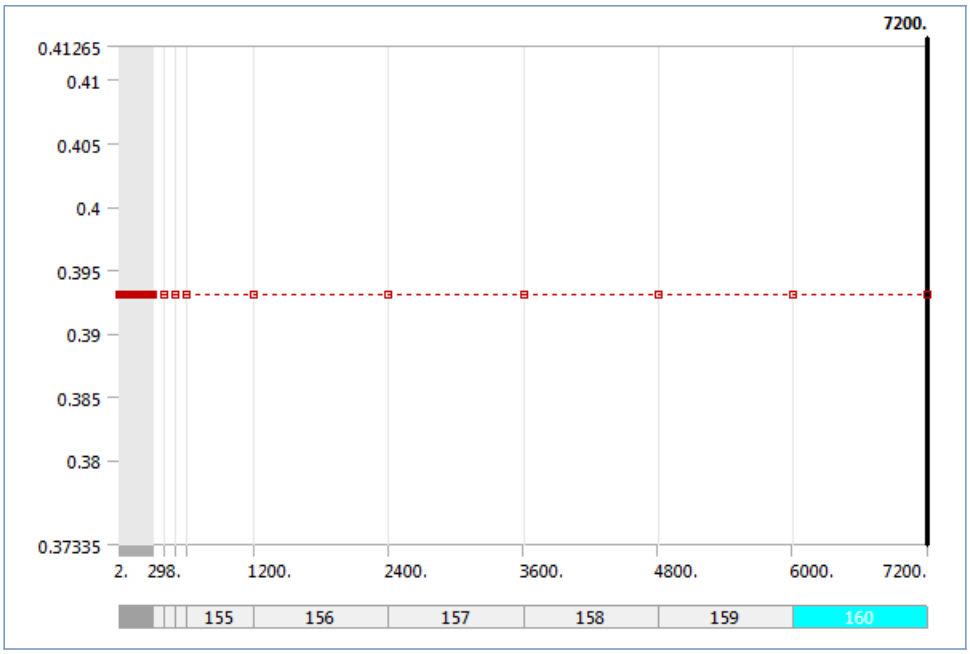


FIGURE 6
Model (J4) > Transient Thermal (J5) > Radiation 6

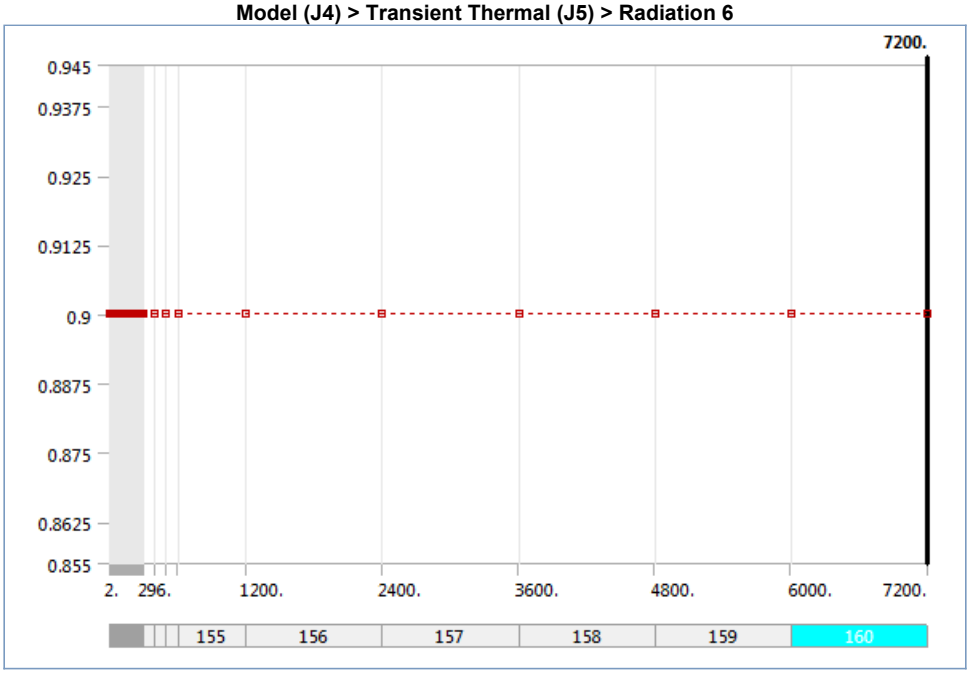


FIGURE 7
Model (J4) > Transient Thermal (J5) > Radiation 7

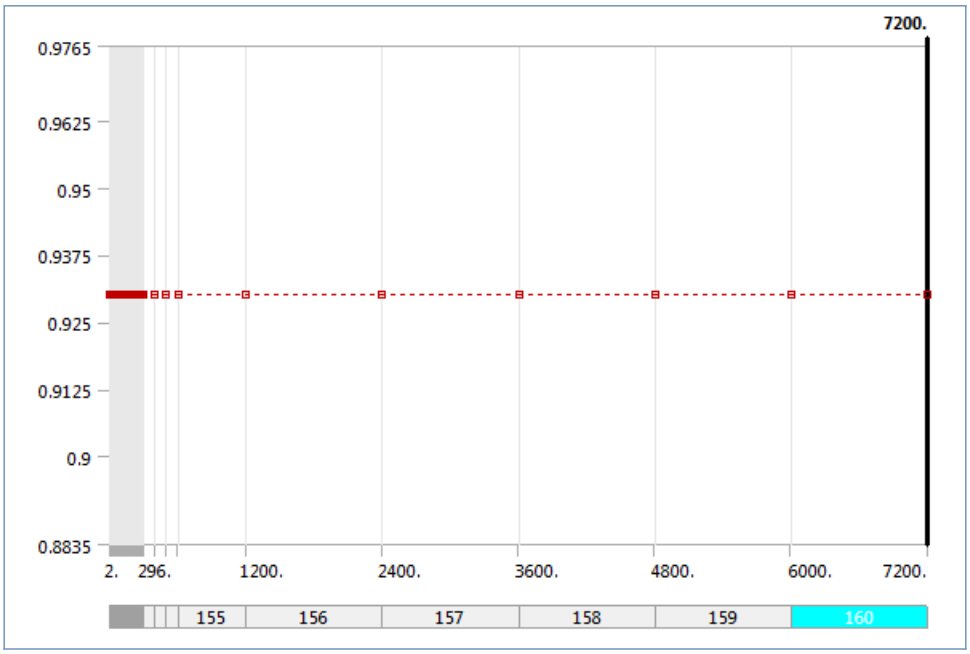


FIGURE 8
Model (J4) > Transient Thermal (J5) > Convection

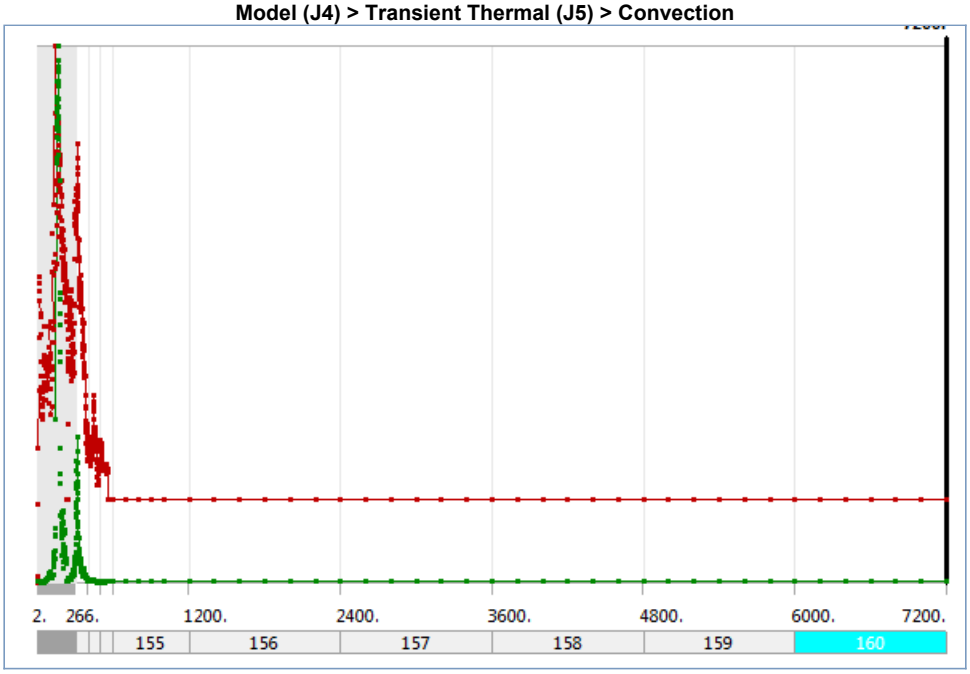


TABLE 20
Model (J4) > Transient Thermal (J5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.67	
2	4.	4.74	16.92
3	6.	7.61	
4	8.	10.57	
5	10.	13.29	17.09
6	12.	15.67	17.18
7	14.	16.44	17.44
8	16.	16.11	17.2
9	18.	15.18	17.04
10	20.	14.55	16.9
11	22.	14.36	16.67

12	24.	13.47	16.56
13	26.	12.05	16.43
14	28.	11.33	16.3
15	30.	10.74	16.18
16	32.	9.85	16.05
17	34.	9.75	15.9
18	36.	9.29	15.76
19	38.	9.09	15.63
20	40.	9.18	15.51
21	42.	10.15	15.39
22	44.	10.48	15.26
23	46.	10.96	15.13
24	48.	12.15	15.32
25	50.	12.35	14.98
26	52.	11.02	14.73
27	54.	13.89	14.62
28	56.	11.85	15.6
29	58.	12.	16.86
30	60.	10.59	16.8
31	62.	10.09	16.44
32	64.	10.7	16.83
33	66.	11.31	17.65
34	68.	11.73	19.9
35	70.	11.	20.99
36	72.	11.48	21.98
37	74.	10.91	22.52
38	76.	11.31	21.81
39	78.	12.28	21.45
40	80.	11.92	21.93
41	82.	11.99	25.
42	84.	11.87	24.73
43	86.	12.17	28.8
44	88.	11.59	31.38
45	90.	9.89	35.05
46	92.	12.8	32.15
47	94.	13.87	28.
48	96.	12.45	27.56
49	98.	14.11	32.59
50	100.	11.69	37.23
51	102.	12.23	35.65
52	104.	10.61	33.33
53	106.	9.34	30.76
54	108.	9.74	29.25
55	110.	11.82	28.96
56	112.	11.65	31.04
57	114.	11.18	25.73
58	116.	13.75	24.45
59	118.	18.69	23.46
60	120.	16.67	29.26
61	122.	13.69	32.27
62	124.	16.52	57.86
63	126.	17.13	63.74
64	128.	14.1	77.24
65	130.	13.03	48.29
66	132.	20.13	74.72
67	134.	28.3	65.11
68	136.	22.63	114.86
69	138.	20.66	81.46
70	140.	16.83	110.04
71	142.	17.59	128.73
72	144.	24.83	353.9
73	146.	24.98	961.17
74	148.	19.75	988.76
75	150.	17.05	967.64
76	151.	25.08	1018.5
	152.	23.68	881.28

77	153.	19.09	951.06
	154.	21.37	890.52
78	155.	21.17	933.89
	156.	22.85	1006.4
79	157.	22.75	1049.9
	158.	25.7	995.8
80	159.	23.68	931.92
	160.	22.76	1095.6
81	161.	22.78	1123.8
	162.	18.45	1070.9
82	163.	20.04	978.75
	164.	21.15	976.1
83	165.	24.37	1013.
	166.	23.22	1051.
84	167.	24.51	1039.5
	168.	24.32	1082.5
85	169.	21.48	898.35
	170.	21.73	998.2
86	171.	22.6	1095.7
	172.	22.24	844.59
87	173.	19.49	601.51
	174.	21.31	572.02
88	175.	22.42	546.17
	176.	20.83	472.89
89	177.	20.79	240.57
	178.	22.72	493.03
90	179.	21.	613.12
	180.	21.28	292.34
91	181.	22.37	220.65
	182.	22.18	153.86
92	183.	19.49	152.39
	184.	20.52	136.15
93	185.	20.59	160.14
	186.	21.36	121.26
94	187.	18.86	128.35
	188.	20.04	120.
95	189.	18.63	149.08
	190.	18.39	108.19
96	191.	18.91	117.27
	192.	18.23	117.71
97	193.	18.61	133.85
	194.	19.29	111.
98	195.	17.42	71.65
	196.	17.83	112.36
99	197.	17.77	164.68
	198.	17.98	140.7
100	199.	17.37	160.84
	200.	16.88	112.65
101	201.	18.79	118.16
	202.	18.28	113.16
102	203.	16.97	135.55
	204.	16.24	84.62
103	205.	16.49	58.77
	206.	17.18	45.72
104	207.	16.91	93.4
	208.	16.57	136.77
105	209.	16.68	77.6
	210.	17.86	84.22
106	211.	16.68	87.07
	212.	15.83	117.81
107	213.	16.4	122.62
	214.	15.95	64.41
108	215.	17.05	82.12
	216.	16.45	71.19
109	217.	16.34	81.93
	218.	16.92	75.47

110	219.	15.62	84.6
	220.	15.8	75.63
111	221.	15.1	61.16
	222.	15.9	58.1
112	223.	16.17	54.87
	224.	15.33	54.6
113	225.	14.44	63.06
	226.	14.08	52.76
114	227.	5.	16.85
	228.		
115	229.		
	230.		
116	231.		
	232.		
117	233.		
	234.		
118	235.		
	236.	8.87	18.62
119	237.	11.61	20.22
	238.	12.	21.98
120	239.	11.82	23.68
	240.	11.59	23.28
121	241.	11.65	23.37
	242.	13.21	23.01
122	243.	13.7	22.66
	244.	13.17	22.57
123	245.	12.56	21.67
	246.	12.19	21.6
124	247.	15.14	21.4
	248.	15.08	22.48
125	249.	14.77	22.61
	250.	14.11	22.32
126	251.	14.35	21.7
	252.	13.68	21.82
127	253.	14.32	22.34
	254.	15.69	21.99
128	255.	15.32	22.2
	256.	14.94	22.95
129	257.	14.44	24.65
	258.	13.9	24.1
130	259.	14.54	25.07
	260.	13.78	24.82
131	261.	14.39	30.9
	262.	15.22	31.32
132	263.	15.66	30.97
	264.	15.74	29.72
133	265.	14.41	27.13
	266.	13.74	26.5
134	267.	13.29	25.3
	268.	12.85	22.85
135	269.	12.24	23.55
	270.	11.39	25.23
136	271.	11.57	24.69
	272.	11.09	23.52
137	273.	12.48	26.86
	274.	11.63	26.74
138	275.	12.06	29.67
	276.	11.61	29.45
139	277.	11.34	29.3
	278.	12.51	38.32
140	279.	12.04	37.56
	280.	13.6	33.65
141	281.	13.	42.74
	282.	13.43	39.58
142	283.	13.	37.49
	284.	12.81	37.97

143	285.	11.78	33.91
	286.	11.46	31.4
144	287.	12.57	30.39
	288.	14.98	33.12
145	289.	14.96	39.25
	290.	14.06	42.88
146	291.	14.93	65.85
	292.	17.33	66.58
147	293.	19.09	66.13
	294.	19.13	54.97
148	295.	19.45	42.44
	296.	20.26	41.81
149	297.	19.66	43.12
	298.	19.26	57.34
150	299.	19.03	68.34
	300.	19.32	77.37
151	301.	18.74	93.83
	302.	19.56	106.49
	303.	18.65	149.76
	304.	19.3	158.23
	305.	18.86	168.82
	306.	20.64	221.21
	307.	21.	211.45
	308.	19.21	179.91
	309.	19.86	245.03
	310.	20.26	267.73
	311.	20.53	223.74
	312.	22.52	238.99
	313.	23.25	213.39
	314.	21.67	263.01
	315.	21.02	317.32
	316.	20.8	284.87
	317.	21.14	185.17
	318.	19.82	131.67
	319.	20.08	141.44
	320.	22.07	199.04
	321.	20.23	159.07
	322.	18.4	113.38
	323.	17.26	117.53
	324.	18.33	107.67
	325.	17.38	80.67
	326.	16.34	83.08
	327.	15.57	78.55
	328.	16.11	75.43
	329.	17.21	77.87
	330.	16.2	75.59
	331.	15.49	81.43
	332.	15.26	76.09
	333.	15.81	78.34
	334.	15.24	64.1
	335.	14.84	54.29
	336.	16.5	58.7
	337.	16.1	63.57
	338.	15.18	60.71
	339.	15.98	55.99
	340.	15.52	52.39
	341.	15.36	44.38
	342.	15.67	40.7
	343.	15.84	41.04
	344.	15.67	39.82
	345.	14.96	39.93
	346.	15.07	38.38
	347.	14.6	39.25
	348.	15.01	50.27
	349.	14.76	38.38
	350.	14.22	42.87

152	351.	14.21	41.9
	352.	14.06	41.49
	353.	14.09	27.79
	354.	13.63	31.88
	355.	13.66	37.32
	356.	12.69	38.15
	357.	12.94	35.31
	358.	12.91	35.76
	359.	12.87	34.95
	360.	12.36	34.05
	361.	12.29	38.85
	362.	12.78	43.4
	363.	12.64	39.86
	364.	12.8	37.24
	365.	14.07	39.09
	366.	12.85	36.7
	367.	11.93	34.47
	368.	11.71	39.33
	369.	11.64	37.61
	370.	11.5	37.48
	371.	11.39	38.23
	372.	11.2	37.16
	373.	11.42	36.2
	374.	11.33	31.82
	375.	10.34	31.85
	376.	9.75	30.42
	377.	9.74	29.18
	378.	9.67	26.72
	379.	9.04	26.98
	380.	9.03	26.42
	381.	8.82	24.74
	382.	8.83	25.52
	383.		26.33
	384.	8.65	25.85
	385.	8.46	25.06
	386.	7.87	24.59
	387.	7.76	23.89
	388.	7.45	20.48
	389.	7.36	19.94
	390.	7.74	19.26
	391.	8.78	19.55
	392.	8.83	20.57
	393.	8.52	20.
	394.	8.39	19.78
	395.	8.32	19.5
	396.	7.78	19.27
	397.	6.93	19.8
	398.	7.06	19.73
	399.	7.63	19.83
	400.	7.99	20.17
	401.	8.09	20.26
	402.	7.77	19.73
	403.	7.68	19.5
	404.	7.74	19.29
	405.	7.55	19.19
	406.	7.24	19.1
	407.	6.94	19.08
	408.	7.33	19.51
	409.	7.86	19.74
	410.	7.33	20.16
	411.	7.21	21.12
	412.	7.53	21.41
	413.	7.86	21.19
	414.	7.51	20.79
	415.	7.08	20.28
	416.	6.91	20.11

153	417.	6.87	20.34
	418.	6.73	20.23
	419.	7.12	20.31
	420.	7.32	20.43
	421.	7.41	20.35
	422.	7.3	19.88
	423.	7.24	19.41
	424.	7.21	19.05
	425.	7.	18.82
	426.	7.28	18.67
	427.	7.77	18.43
	428.	7.86	18.19
	429.	7.68	17.93
	430.	7.65	17.95
	431.	8.2	17.69
	432.	8.1	17.3
	433.	8.	16.82
	434.	7.59	16.57
	435.	7.36	17.
	436.	7.43	17.87
	437.	7.55	18.05
	438.	8.31	19.15
	439.	8.45	19.8
	440.	8.39	19.64
	441.	9.05	19.46
	442.	9.95	19.34
	443.	10.36	19.21
	444.	9.89	18.72
	445.	9.7	18.47
	446.	9.65	18.86
	447.	9.52	18.44
	448.	8.66	17.31
	449.	8.49	17.73
	450.	8.3	17.12
	451.	8.66	16.65
	452.	8.5	17.01
	453.	8.58	17.71
	454.	8.3	17.73
	455.	8.23	17.39
	456.	8.31	17.16
	457.	8.14	17.32
	458.	8.	17.16
	459.	7.97	16.91
	460.	8.02	16.87
	461.	7.95	17.1
	462.	8.01	16.91
	463.	8.04	16.48
	464.	7.87	16.63
	465.	7.75	
	466.	7.71	16.83
	467.	7.51	16.54
	468.	7.44	16.16
	469.	7.58	16.08
	470.	7.05	16.19
	471.	6.96	16.37
	472.	6.86	16.28
	473.	6.54	16.35
	474.	6.14	16.29
	475.	5.68	16.21
	476.	5.77	16.05
	477.	5.71	15.78
	478.	6.58	15.66
	479.	6.51	15.76
	480.	6.5	15.75
	481.	6.41	15.72
	482.	6.26	15.69

	483.	5.86	15.66
	484.	5.7	15.64
	485.	5.93	15.58
	486.	5.98	15.47
	487.	6.28	15.36
	488.	6.37	15.63
	489.	6.84	16.13
	490.	7.54	16.23
	491.	7.73	16.24
	492.	7.88	16.21
	493.	7.98	16.16
	494.	8.01	16.25
	495.	8.05	16.06
	496.		15.84
	497.	8.04	15.75
	498.	8.02	16.18
	499.	8.03	16.29
	500.	7.92	16.25
	501.	7.88	
	502.	7.61	16.21
	503.	7.49	16.1
	504.	7.35	16.06
	505.	7.23	16.24
	506.		16.19
	507.	7.13	
	508.		16.18
	509.	7.04	16.15
	510.	6.72	16.12
	511.	7.07	16.
	512.	7.19	16.03
	513.	7.02	15.99
	514.	6.75	15.98
	515.	6.48	15.96
	516.	6.62	15.97
	517.	6.73	
	518.	6.68	16.26
	519.	6.66	16.66
	520.	6.68	16.47
	521.	6.63	16.35
	522.	6.61	16.41
	523.	6.58	16.51
154	524.	6.64	16.32
	525.	6.72	16.1
	526.	6.68	16.2
	527.	6.67	16.19
	528.	6.69	
	529.	6.68	16.24
	530.		16.35
	531.	6.75	16.44
	532.	6.74	16.62
	533.	6.79	16.8
	534.	6.73	16.88
	535.	6.66	17.03
	536.	6.65	17.05
	537.	6.74	17.17
	538.	6.78	17.29
	539.	6.72	17.32
	540.	6.78	17.28
	541.	6.68	17.14
	542.	6.64	17.24
	543.	6.55	17.32
	544.	6.46	17.36
	545.	6.31	17.37
	546.	6.27	17.24
	547.	6.35	16.67
	548.	6.33	17.07

	549.	6.34	17.42
	550.	6.43	17.46
	551.	6.49	17.4
	552.	6.54	17.48
	553.	6.38	17.53
	554.	6.35	17.39
	555.	6.37	17.37
	560.	5.	16.85
	565.		
	570.		
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
155	700.		
	800.		
	900.		
	1000.		
	1200.		
156	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.		
157	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
158	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
159	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
160	6200.		
	6400.		
	6600.		
	6800.		
	7000.		
	7200.		

FIGURE 9
Model (J4) > Transient Thermal (J5) > Heat Flux

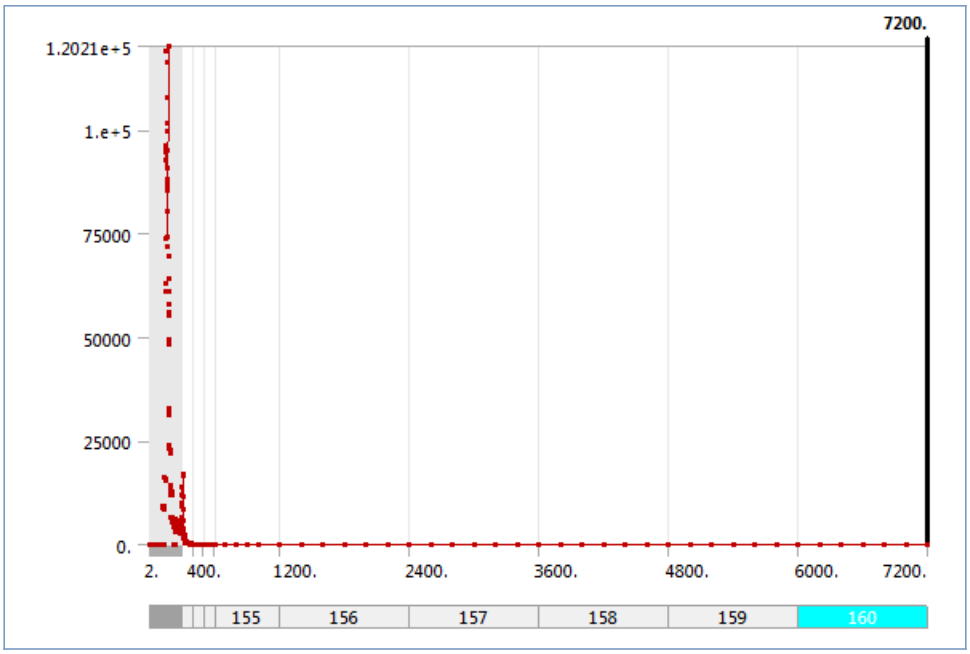


TABLE 21
Model (J4) > Transient Thermal (J5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	0.3
3	6.	0.7
4	8.	0.5
5	10.	0.9
6	12.	
7	14.	
8	16.	
9	18.	
10	20.	
11	22.	
12	24.	
13	26.	
14	28.	
15	30.	
16	32.	
17	34.	
18	36.	
19	38.	
20	40.	
21	42.	
22	44.	0.
23	46.	
24	48.	
25	50.	
26	52.	
27	54.	
28	56.	
29	58.	
30	60.	
31	62.	
32	64.	
33	66.	
34	68.	
35	70.	
36	72.	
37	74.	

38	76.	
39	78.	
40	80.	
41	82.	
42	84.	
43	86.	
44	88.	
45	90.	
46	92.	
47	94.	
48	96.	
49	98.	
50	100.	
51	102.	
52	104.	
53	106.	
54	108.	
55	110.	
56	112.	
57	114.	
58	116.	
59	118.	
60	120.	9116.9
61	122.	9114.8
62	124.	9056.7
63	126.	9435.9
64	128.	9033.6
65	130.	8927.7
66	132.	8776.3
67	134.	0.3
68	136.	0.
69	138.	8314.
70	140.	16178
71	142.	15691
72	144.	15445
73	146.	60895
74	148.	1.1896e+005
75	150.	92931
76	151.	62926
	152.	96198
77	153.	95071
	154.	73959
78	155.	94575
	156.	86500
79	157.	85491
	158.	85643
80	159.	86039
	160.	99638
81	161.	80556
	162.	1.017e+005
82	163.	1.0787e+005
	164.	87800
83	165.	94984
	166.	88123
84	167.	1.1626e+005
	168.	90789
85	169.	72019
	170.	74149
86	171.	1.2021e+005
	172.	61077
87	173.	69602
	174.	55386
88	175.	56032
	176.	64291
89	177.	48127
	178.	48960

90	179.	49314
	180.	33046
91	181.	57908
	182.	32568
92	183.	23891
	184.	31410
93	185.	23107
	186.	22770
94	187.	22228
	188.	21972
95	189.	14443
	190.	14092
96	191.	13996
	192.	13675
97	193.	13504
	194.	13420
98	195.	13228
	196.	12998
99	197.	12563
	198.	6418.6
100	199.	12154
	200.	12062
101	201.	12003
	202.	12223
102	203.	12468
	204.	12592
103	205.	12693
	206.	6538.1
104	207.	6150.8
	208.	6113.6
105	209.	6134.4
	210.	5977.4
106	211.	5916.
	212.	5848.8
107	213.	5732.2
	214.	5563.3
108	215.	5479.
	216.	5269.
109	217.	5237.2
	218.	4852.5
110	219.	4722.8
	220.	4618.6
111	221.	4565.
	222.	4571.2
112	223.	4575.
	224.	4674.7
113	225.	4427.
	226.	0.
114	227.	
	228.	
115	229.	
	230.	
116	231.	
	232.	
117	233.	
	234.	
118	235.	
	236.	3128.1
119	237.	3700.3
	238.	3558.6
120	239.	3800.5
	240.	4374.5
121	241.	4422.7
	242.	4060.7
122	243.	5996.2
	244.	4072.2

123	245.	4373.
	246.	5477.5
124	247.	4522.1
	248.	5887.5
125	249.	4088.6
	250.	3933.2
126	251.	3888.6
	252.	4213.9
127	253.	3233.1
	254.	3873.2
128	255.	3837.7
	256.	4022.4
129	257.	5325.4
	258.	4869.2
130	259.	4668.4
	260.	5418.3
131	261.	3897.3
	262.	4408.
132	263.	4476.1
	264.	4180.2
133	265.	4637.1
	266.	3333.4
134	267.	4457.9
	268.	4351.3
135	269.	4782.3
	270.	5216.6
136	271.	5617.5
	272.	5451.6
137	273.	5227.1
	274.	3790.2
138	275.	3516.4
	276.	3190.1
139	277.	3038.
	278.	2848.9
140	279.	2967.9
	280.	3108.8
141	281.	3348.4
	282.	3634.9
142	283.	3992.1
	284.	4124.4
143	285.	4664.6
	286.	4764.2
144	287.	5760.6
	288.	5191.
145	289.	4914.8
	290.	4568.6
146	291.	4015.2
	292.	3486.2
147	293.	4078.8
	294.	4167.7
148	295.	5790.7
	296.	13771
149	297.	9538.6
	298.	6280.1
150	299.	10177
	300.	10107
151	301.	9178.7
	302.	6423.9
	303.	11799
	304.	17051
	305.	16640
	306.	11740
	307.	8524.4
	308.	5654.2
	309.	3411.3
	310.	3690.7

152	311.	2257.4
	312.	1721.5
	313.	2138.2
	314.	1950.5
	315.	1903.7
	316.	2021.4
	317.	5621.8
	318.	3847.8
	319.	1880.1
	320.	2300.
	321.	2441.8
	322.	1798.1
	323.	1496.6
	324.	1126.
	325.	874.3
	326.	551.9
	327.	795.1
	328.	1022.
	329.	1261.9
	330.	549.1
	331.	461.3
	332.	485.5
	333.	740.9
	334.	594.5
	335.	687.8
	336.	357.7
	337.	573.7
	338.	657.1
	339.	429.5
	340.	408.2
	341.	353.2
	342.	581.4
	343.	341.8
	344.	419.4
	345.	414.3
	346.	375.1
	347.	214.7
	348.	282.8
	349.	396.
	350.	311.3
	351.	336.5
	352.	343.9
	353.	368.1
	354.	368.4
	355.	341.7
	356.	385.2
	357.	379.1
	358.	272.1
	359.	294.7
	360.	251.2
	361.	246.2
	362.	230.3
	363.	184.7
	364.	221.8
	365.	177.3
	366.	147.9
	367.	203.4
	368.	115.2
	369.	139.4
	370.	98.4
	371.	144.8
	372.	154.7
	373.	130.5
	374.	145.4
	375.	150.6
	376.	122.4

	377.	80.6
	378.	119.
	379.	78.4
	380.	116.5
	381.	116.1
	382.	115.8
	383.	187.2
	384.	93.1
	385.	195.1
	386.	119.8
	387.	109.2
	388.	71.8
	389.	142.2
	390.	108.5
	391.	69.
	392.	70.5
	393.	39.3
	394.	75.3
	395.	62.1
	396.	65.5
	397.	34.9
	398.	55.9
	399.	34.1
	400.	59.9
	401.	60.7
	402.	59.4
	403.	58.2
	404.	28.6
	405.	27.1
	406.	28.3
	407.	52.8
	408.	51.6
	409.	72.3
	410.	27.6
	411.	48.
	412.	47.2
	413.	46.4
	414.	43.7
	415.	42.7
	416.	23.5
	417.	22.3
	418.	42.
	419.	38.5
	420.	42.1
	421.	38.3
153	422.	20.4
	423.	20.7
	424.	36.2
	425.	33.5
	426.	36.5
	427.	51.9
	428.	34.
	429.	30.4
	430.	17.2
	431.	16.7
	432.	31.
	433.	34.2
	434.	33.1
	435.	16.8
	436.	16.6
	437.	18.5
	438.	33.
	439.	0.3
	440.	17.4
	441.	0.3
	442.	17.

443.	19.4
444.	17.2
445.	16.6
446.	16.4
447.	15.
448.	0.3
449.	13.4
450.	15.1
451.	12.4
452.	13.5
453.	13.
454.	9.7
455.	10.3
456.	10.9
457.	9.5
458.	9.3
459.	9.2
460.	9.8
461.	7.5
462.	7.9
463.	8.6
464.	7.5
465.	7.4
466.	6.6
467.	8.
468.	6.5
469.	6.3
470.	0.3
471.	6.7
472.	5.5
473.	5.7
474.	6.
475.	5.2
476.	4.6
477.	4.9
478.	4.7
479.	5.
480.	4.5
481.	4.3
482.	3.6
483.	4.1
484.	4.2
485.	4.1
486.	3.6
487.	3.2
488.	6.7
489.	3.4
490.	
491.	3.1
492.	2.9
493.	3.3
494.	5.2
495.	2.6
496.	5.3
497.	2.2
498.	2.5
499.	4.8
500.	2.2
501.	2.4
502.	2.7
503.	4.4
504.	4.
505.	2.3
506.	2.1
507.	4.1
508.	2.6

154	509.	4.1
	510.	3.4
	511.	3.7
	512.	2.1
	513.	3.1
	514.	1.9
	515.	3.
	516.	3.6
	517.	3.8
	518.	3.3
	519.	1.9
	520.	3.4
	521.	1.6
	522.	3.1
	523.	
	524.	3.4
	525.	3.1
	526.	
	527.	2.8
	528.	3.
	529.	1.6
	530.	3.1
	531.	2.7
	532.	2.8
	533.	2.6
	534.	
	535.	2.
	536.	2.5
	537.	2.6
	538.	2.3
	539.	2.5
	540.	2.9
	541.	2.4
	542.	2.6
	543.	3.4
	544.	2.5
	545.	2.2
	546.	1.9
	547.	2.5
	548.	2.3
	549.	3.
	550.	2.4
	551.	
	552.	3.
	553.	2.7
	554.	2.1
	555.	3.1
	560.	
	565.	
	570.	
	575.	
	580.	
	585.	
	590.	
	595.	
	600.	
155	700.	
	800.	
	900.	
	1000.	
	1200.	
156	1400.	
	1600.	
	1800.	
	2000.	
	2200.	

	2400.	
157	2600.	
	2800.	
	3000.	
	3200.	
	3400.	
	3600.	
158	3800.	
	4000.	
	4200.	
	4400.	
	4600.	
	4800.	0.
159	5000.	
	5200.	
	5400.	
	5600.	
	5800.	
	6000.	
160	6200.	
	6400.	
	6600.	
	6800.	
	7000.	
	7200.	

FIGURE 10
Model (J4) > Transient Thermal (J5) > Radiation

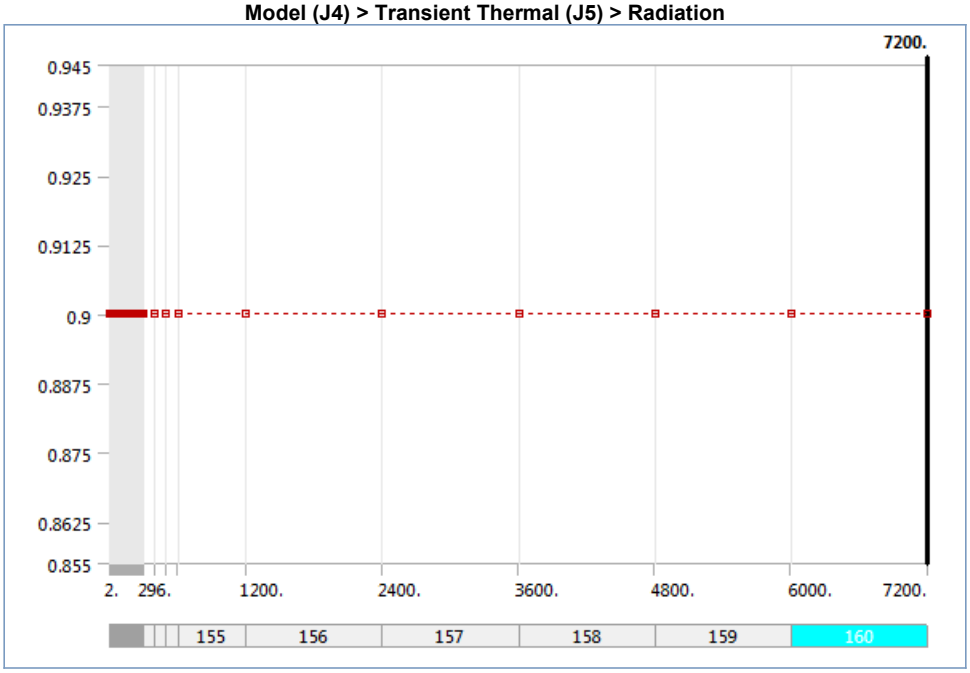


FIGURE 11
Model (J4) > Transient Thermal (J5) > Radiation 8

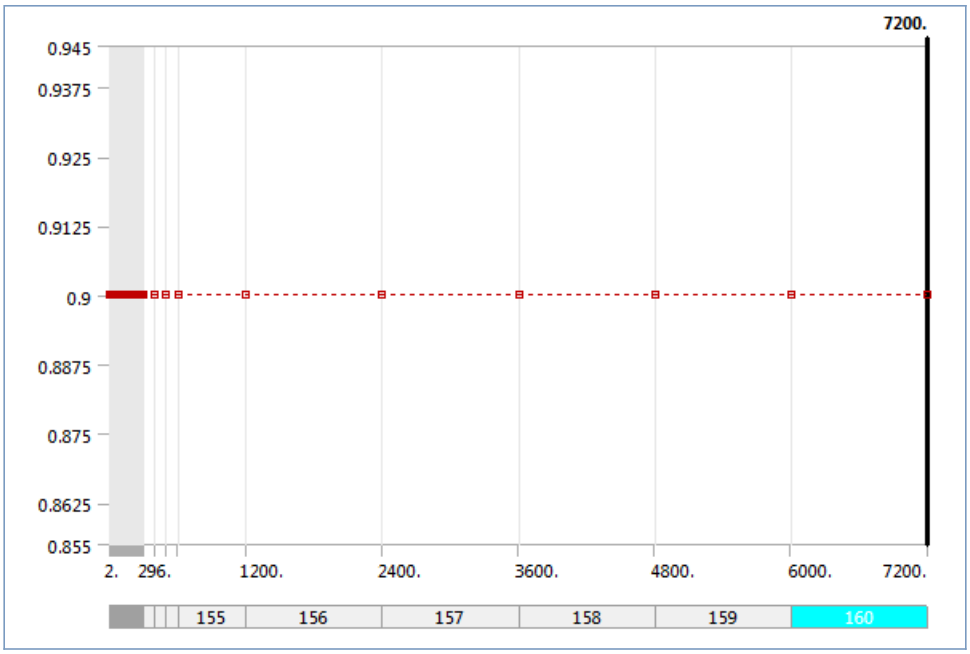


TABLE 22
Model (J4) > Transient Thermal (J5) > Loads

Object Name	*Radiation 9*	*Radiation 10*	*Radiation 11*	*Radiation 12*	*Radiation 13*
State	Fully Defined				
Scope					
Scoping Method	Geometry Selection				
Geometry	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges
Definition					
Type	Radiation				
Correlation	Surface to Surface				To Ambient
Emissivity	0.9 (step applied)				1. (step applied)
Enclosure	2.				
Enclosure Type	Perfect				
Suppressed	No				
Ambient Temperature					16.85 °C (step applied)

FIGURE 12
Model (J4) > Transient Thermal (J5) > Radiation 9

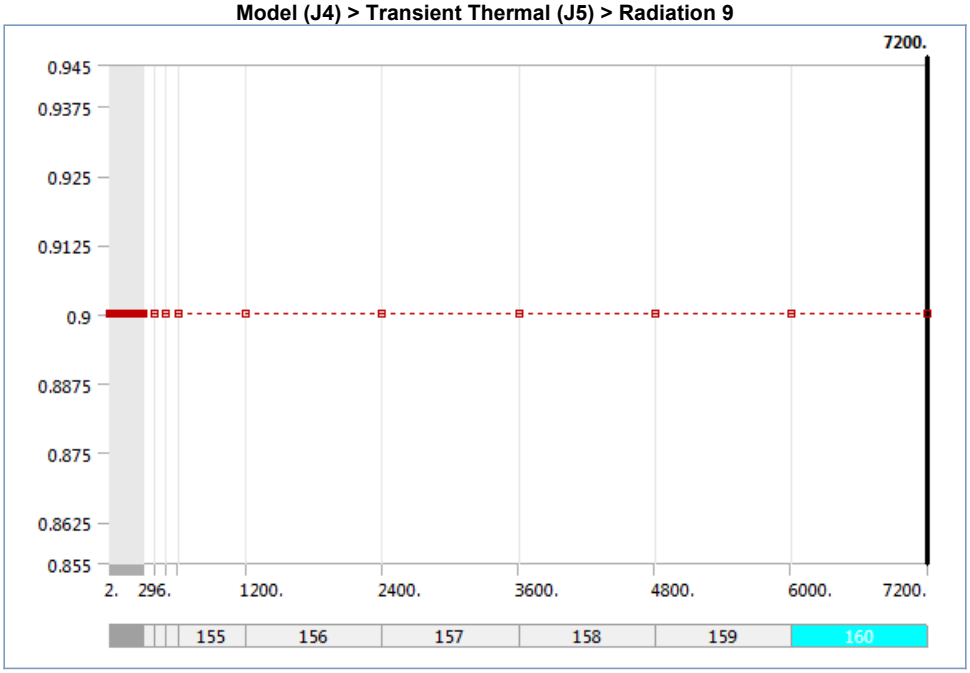


FIGURE 13
Model (J4) > Transient Thermal (J5) > Radiation 10

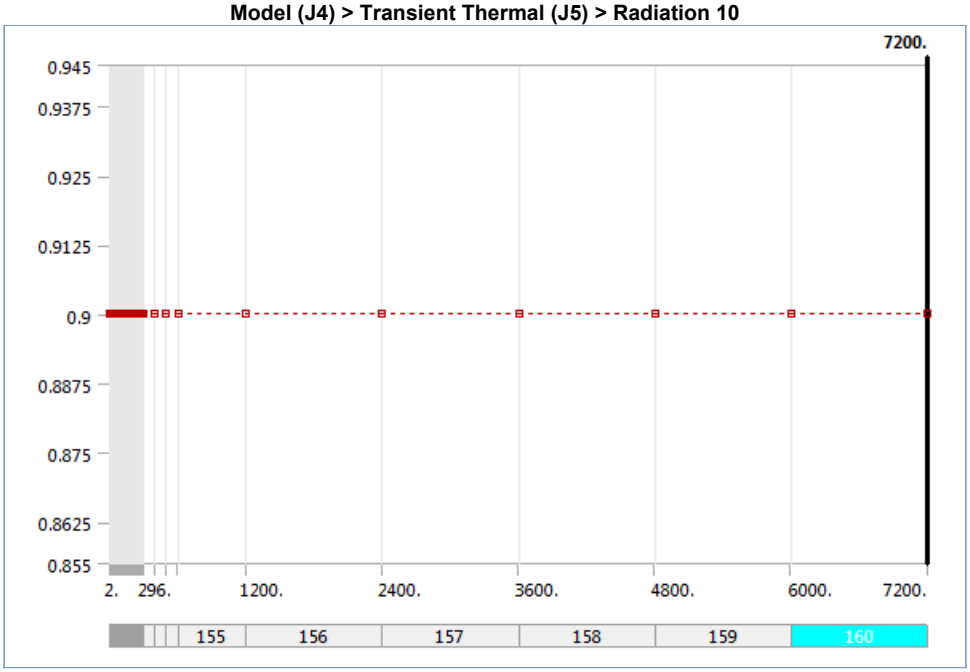


FIGURE 14
Model (J4) > Transient Thermal (J5) > Radiation 11

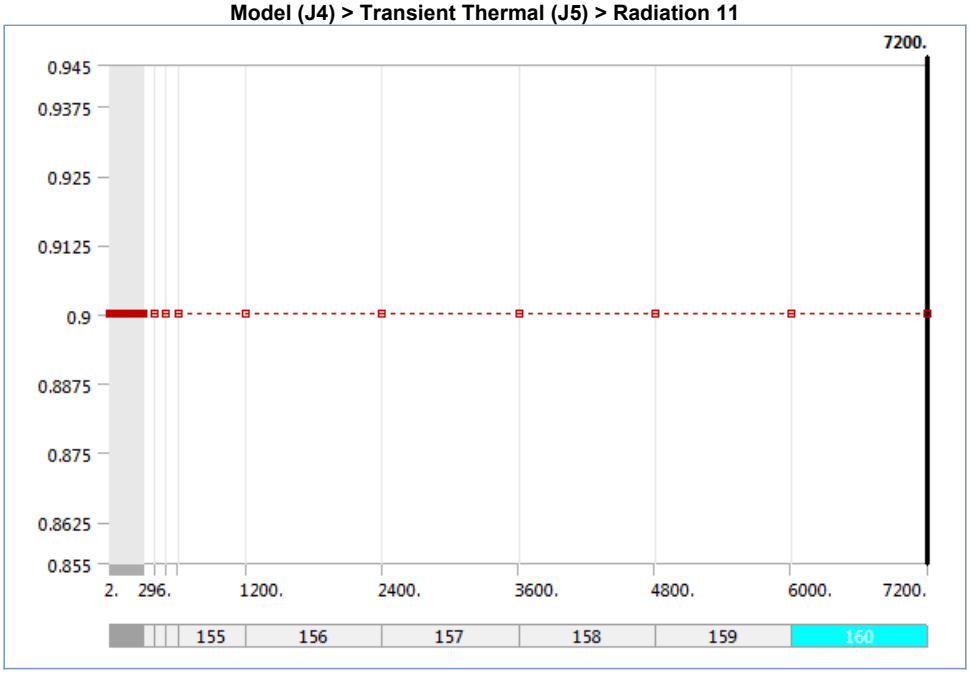


FIGURE 15
Model (J4) > Transient Thermal (J5) > Radiation 12

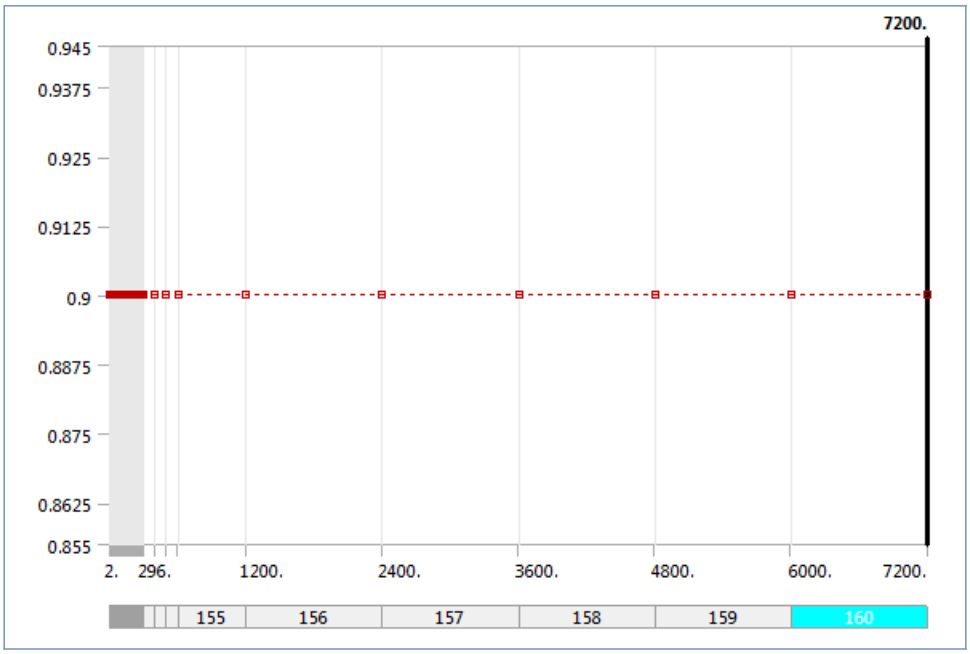
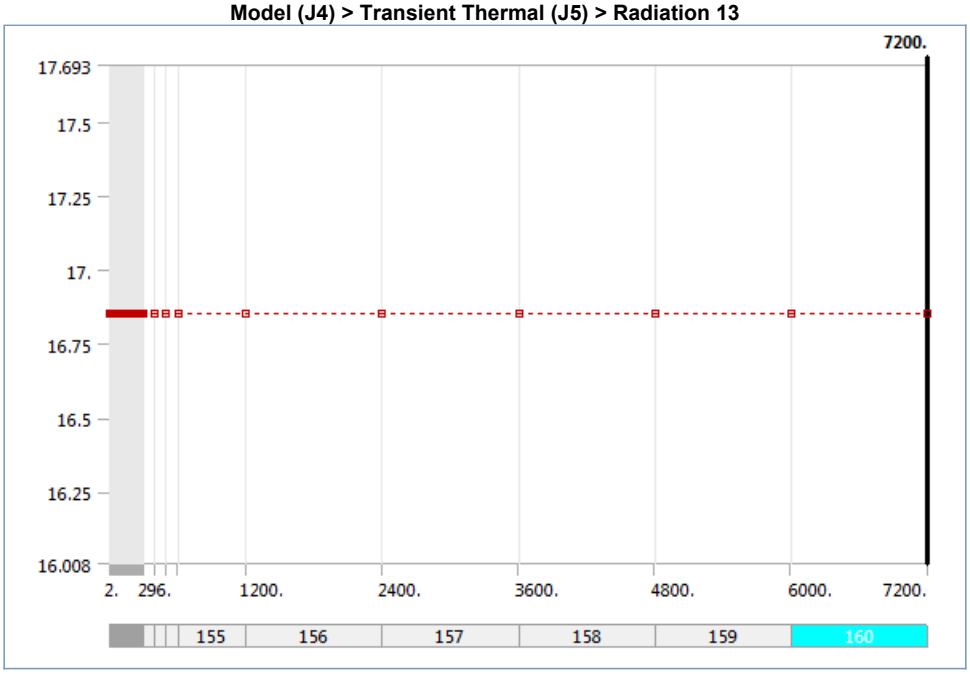


FIGURE 16
Model (J4) > Transient Thermal (J5) > Radiation 13



Solution (J6)

TABLE 23
Model (J4) > Transient Thermal (J5) > Solution

Object Name	*Solution (J6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	9 m 20 s
MAPDL Memory Used	2.543 GB
MAPDL Result File Size	1.5168 GB
Post Processing	

Calculate Beam Section Results	No

TABLE 24
Model (J4) > Transient Thermal (J5) > Solution (J6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 25
Model (J4) > Transient Thermal (J5) > Solution (J6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	23.902 °C	2.3869 °C
Maximum	398.08 °C	16.85 °C

FIGURE 17
Model (J4) > Transient Thermal (J5) > Solution (J6) > Solution Information > Temperature - Global Maximum

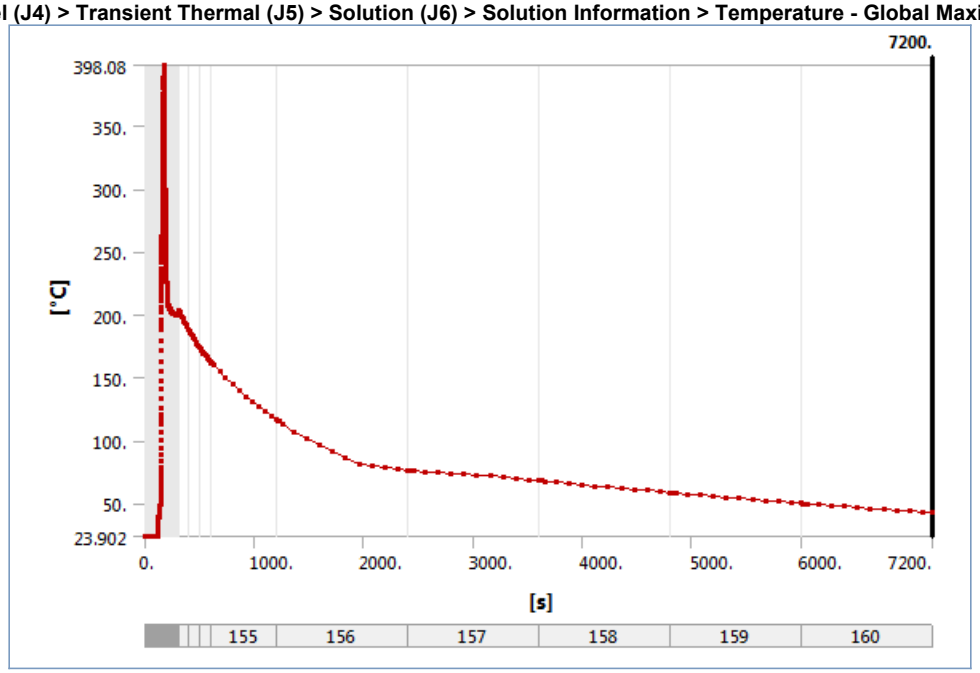


FIGURE 18
Model (J4) > Transient Thermal (J5) > Solution (J6) > Solution Information > Temperature - Global Minimum

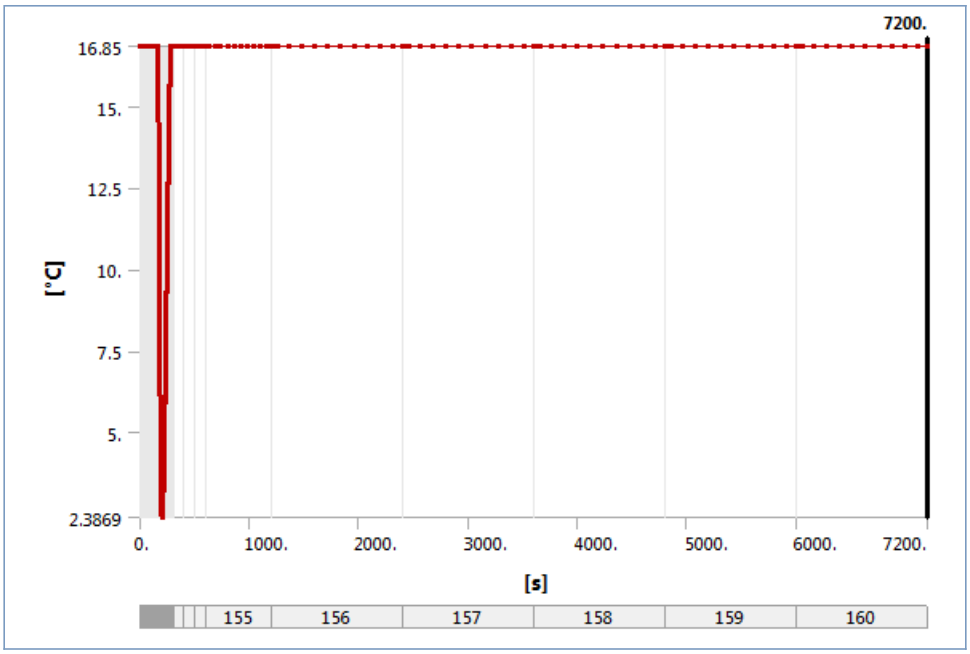


TABLE 26
Model (J4) > Transient Thermal (J5) > Solution (J6) > Results

Object Name	*Overall T*	*Drum Content T*	*Drum T*	*SWB T*	*Permacon T*
State	Solved				
Scope					
Scoping Method	Geometry Selection				
Geometry	All Bodies	1 Face	6 Faces	5 Faces	4 Faces
Definition					
Type	Temperature				
By	Time				
Display Time	2548. s	Last			
Calculate Time History	Yes				
Identifier					
Suppressed	No				
Results					
Minimum	22.25 °C	23.9 °C	26.233 °C	28.748 °C	21.672 °C
Maximum	75.253 °C	32.27 °C	41.243 °C	37.071 °C	28.818 °C
Minimum Occurs On	Surface Body				
Maximum Occurs On	Surface Body				
Minimum Value Over Time					
Minimum	2.3869 °C	23.885 °C	23.889 °C	23.878 °C	21.672 °C
Maximum	22.25 °C	23.9 °C	26.346 °C	34.91 °C	49.511 °C
Maximum Value Over Time					
Minimum	23.902 °C	23.89 °C			23.683 °C
Maximum	398.08 °C	39.764 °C	75.743 °C	83.805 °C	398.08 °C
Information					
Time	2548. s	7200. s			
Load Step	157	160			
Substep	4	13			
Iteration Number	2145	2232			

FIGURE 19
Model (J4) > Transient Thermal (J5) > Solution (J6) > Overall T

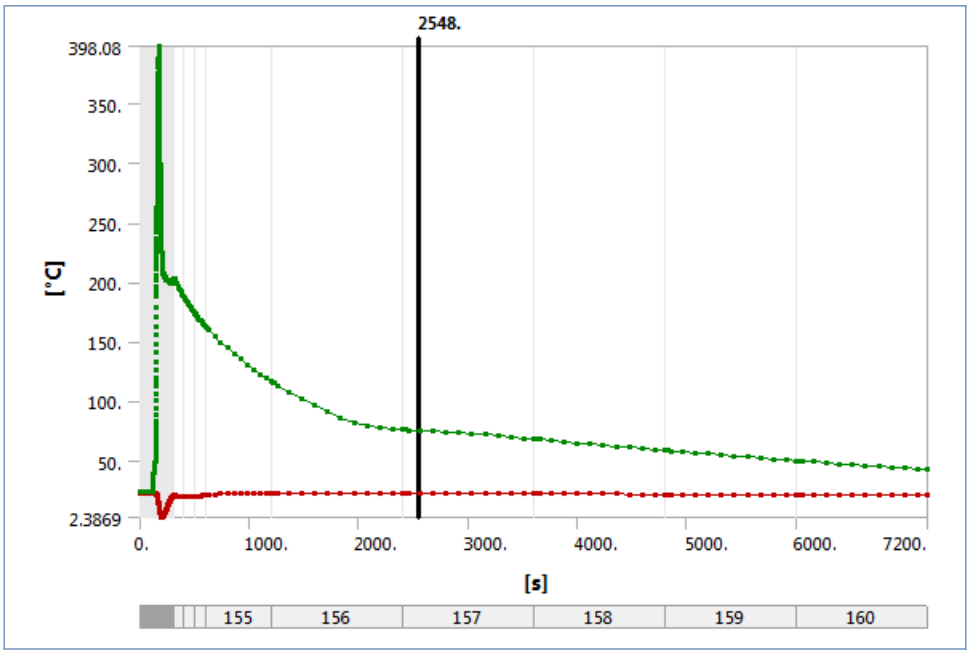


TABLE 27
Model (J4) > Transient Thermal (J5) > Solution (J6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		24.13
0.1		
0.28		24.128
0.48		24.125
0.68		24.123
0.88		24.122
1.08		24.12
1.28		24.118
1.48		24.117
1.68		24.115
1.88		24.114
2.		
2.02		24.112
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		
4.02		24.095
4.04		
4.1		24.094
4.28		24.093
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4.88		24.088
5.08		24.086
5.28		24.084
5.48		24.083
5.68		24.081
5.88		24.079

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6.68	24.072
6.88	24.071
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7.48	24.065
7.68	24.064
7.88	24.062
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8.88	24.054
9.08	24.052
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30.94	
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107.08	

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112.88	
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117.28	

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117.68	
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118.85	25.349
119.05	26.011
119.25	26.739
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119.65	28.371
119.85	29.267
120.	29.943
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120.1	30.367
120.28	31.004
120.48	31.632
120.68	32.204
120.88	32.733
121.08	33.228
121.28	33.693
121.48	34.135
121.68	34.556
121.88	34.959
122.	35.195
122.02	35.234
122.04	35.273
122.1	35.389
122.28	35.732
122.48	36.103
122.68	36.466
122.88	36.821
123.08	37.17
123.28	37.512
123.48	37.849
123.68	38.181
123.88	38.509
124.	38.704
124.02	38.736
124.04	38.769
124.1	38.866
124.28	39.156
124.48	39.474
124.68	39.79
124.88	40.104
125.08	40.414
125.28	40.722
125.48	41.028
125.68	41.331
125.88	41.632
126.	41.812
126.02	41.842
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126.1	41.958
126.28	42.204
126.48	42.466
126.68	42.717
126.88	42.96
127.08	43.195

127.28	43.423
127.48	43.644
127.68	43.858
127.88	44.066
128.	44.189
128.02	44.209
128.04	44.229
128.1	44.289
128.28	44.459
128.48	44.641
128.68	44.815
128.88	44.983
129.08	45.145
129.28	45.302
129.48	45.453
129.68	45.6
129.88	45.742
130.	45.825
130.02	45.84
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130.48	46.203
130.68	46.372
130.88	46.545
131.08	46.723
131.28	46.904
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131.68	47.279
131.88	47.472
132.	47.589
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132.68	47.019
132.88	46.622
133.08	46.152
133.28	45.617
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133.88	43.672
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134.02	43.163
134.04	43.096
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135.28	41.05
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135.88	40.562
136.	40.481
136.02	40.47
136.04	40.462
136.1	40.454
136.28	40.542
136.48	40.743
136.68	41.027
136.88	41.384
137.08	41.806
137.28	42.285

	42.818
137.68	43.401
137.88	44.03
138.	44.424
138.02	44.49
138.04	44.557
138.1	44.764
138.28	45.429
138.48	46.216
138.68	47.048
138.88	47.922
139.08	48.834
139.28	49.783
139.48	50.768
139.68	51.786
139.88	52.836
140.	53.477
140.02	53.581
140.04	53.683
140.1	53.971
140.28	54.737
140.48	55.507
140.68	56.218
140.88	56.882
141.08	57.507
141.28	58.101
141.48	58.667
141.68	59.209
141.88	59.729
142.	60.034
142.02	60.086
142.04	60.14
142.1	60.31
142.28	60.875
142.48	61.557
142.68	62.288
142.88	63.063
143.08	63.882
143.28	64.744
143.48	65.651
143.68	66.601
143.88	67.596
144.	68.21
144.02	68.332
144.04	68.472
144.1	69.028
144.28	71.509
144.48	75.009
144.68	79.105
144.88	83.71
145.08	88.76
145.28	94.212
145.48	100.03
145.68	106.19
145.88	112.66
146.	116.66
146.02	117.32
146.04	117.99
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146.28	126.17
146.48	133.2
146.68	140.42
146.88	147.83
147.08	155.41
147.28	163.18
147.48	171.12

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148.04		194.12
148.1		196.28
148.28		201.67
148.46		206.27
148.66		210.65
148.86		214.43
149.06		217.7
149.26		220.53
149.46		222.97
149.66	22.176	225.06
149.86	22.08	226.84
150.	22.019	227.93
150.02	22.01	228.08
150.04	22.001	228.22
150.1	21.977	228.56
150.28	21.914	229.13
150.48	21.857	229.29
150.68	21.814	229.04
150.88	21.786	228.43
151.08	21.773	228.45
151.28	21.772	230.23
151.48	21.782	233.15
151.68	21.802	236.93
151.88	21.83	241.38
152.	21.849	244.27
152.02	21.852	244.73
152.04	21.856	245.18
152.1	21.866	246.42
152.28	21.902	249.6
152.46	21.942	252.43
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152.86	21.9	257.9
153.06	21.844	260.09
153.26	21.788	261.39
153.46	21.729	262.05
153.66	21.67	262.2
153.86	21.608	261.91
154.	21.565	261.52
154.02	21.559	261.49
154.04	21.553	
154.1	21.534	261.65
154.28	21.476	263.1
154.48	21.411	265.52
154.68	21.345	268.55
154.88	21.277	272.06
155.08	21.208	275.48
155.28	21.137	278.18
155.48	21.065	280.43
155.68	20.992	282.39
155.88	20.918	284.12
156.	20.873	285.09
156.02	20.865	285.26
156.04	20.858	285.42
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156.28	20.766	287.47
156.48	20.688	289.19
156.68	20.609	290.89
156.88	20.529	292.58
157.08	20.447	294.28
157.28	20.365	296.
157.48	20.281	297.74
157.68	20.197	299.48

157.88	20.111	301.21
158.	20.059	302.24
158.02	20.051	302.41
158.04	20.042	302.58
158.1	20.016	303.07
158.28	19.937	304.41
158.48	19.848	305.8
158.68	19.759	307.12
158.88	19.668	308.37
159.08	19.577	309.92
159.28	19.485	312.2
159.48	19.391	314.96
159.68	19.297	318.09
159.88	19.202	321.5
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160.02	19.135	323.99
160.04	19.126	324.3
160.1	19.097	325.09
160.28	19.01	326.63
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161.06	18.624	328.21
161.26	18.523	329.46
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161.86	18.217	336.74
162.	18.144	338.91
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162.04	18.123	339.51
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162.86	17.691	350.76
163.06	17.584	353.11
163.26	17.476	354.43
163.46	17.367	355.04
163.66	17.258	355.13
163.86	17.148	354.79
164.	17.07	354.36
164.02	17.059	354.32
164.04	17.048	354.29
164.1	17.015	354.32
164.28	16.915	355.
164.48	16.803	356.25
164.68	16.691	357.84
164.88	16.579	359.7
165.08	16.465	361.47
165.28	16.351	362.75
165.48	16.237	363.71
165.68	16.122	364.45
165.88	16.007	365.03
166.	15.937	365.31
166.02	15.926	365.38
166.04	15.914	365.48
166.1	15.88	365.92
166.28	15.775	368.19
166.48	15.658	371.52
166.68	15.541	375.47
166.88	15.423	379.94
167.08	15.304	383.87
167.28	15.185	386.07
167.48	15.065	387.14
167.68	14.945	387.4
167.88	14.825	387.02

	14.752	386.6
168.02	14.74	386.52
168.04	14.728	386.43
168.1	14.692	386.14
168.28	14.583	384.86
168.48	14.461	383.03
168.68	14.339	380.86
168.88	14.217	378.36
169.08	14.095	376.11
169.28	13.973	374.74
169.48	13.85	373.9
169.68	13.727	373.44
169.88	13.605	373.26
170.	13.531	373.24
170.02	13.519	373.27
170.04	13.506	373.33
170.1	13.47	373.75
170.28	13.359	376.44
170.48	13.235	380.73
170.68	13.112	386.05
170.88	12.988	392.25
171.08	12.864	397.1
171.28	12.739	398.08
171.48	12.614	396.53
171.68	12.489	393.12
171.88	12.364	388.25
172.	12.289	384.85
172.02	12.276	384.32
172.04	12.264	383.82
172.1	12.226	382.55
172.28	12.114	379.8
172.48	11.989	377.55
172.68	11.864	375.84
172.88	11.739	374.52
173.08	11.615	373.19
173.28	11.491	371.41
173.48	11.367	369.35
173.68	11.243	367.07
173.88	11.12	364.63
174.	11.046	363.11
174.02	11.033	362.86
174.04	11.021	362.63
174.1	10.984	361.98
174.28	10.874	360.36
174.48	10.751	358.82
174.68	10.629	357.47
174.88	10.507	356.27
175.08	10.386	355.3
175.28	10.265	354.68
175.48	10.144	354.31
175.68	10.024	354.14
175.88	9.9037	354.16
176.	9.8319	354.23
176.02	9.8199	354.22
176.04	9.808	354.19
176.1	9.7721	354.
176.28	9.665	352.74
176.48	9.5465	350.74
176.68	9.4286	348.29
176.88	9.3112	345.48
177.08	9.1945	342.84
177.28	9.0785	341.01
177.48	8.9631	339.69
177.68	8.8485	338.74
177.88	8.7346	338.08
178.	8.6665	337.78

	8.6552	337.73
178.04	8.6439	337.68
178.1	8.61	337.53
178.28	8.5088	337.11
178.48	8.3972	336.7
178.68	8.2863	336.36
178.88	8.1762	336.07
179.08	8.0669	335.37
179.28	7.9584	333.7
179.48	7.8507	331.37
179.68	7.7439	328.55
179.88	7.6381	325.31
180.	7.5749	323.23
180.02	7.5643	322.92
180.04	7.5538	322.63
180.1	7.5224	321.96
180.28	7.4288	321.05
180.48	7.3257	320.98
180.68	7.2236	321.61
180.88	7.1224	322.81
181.08	7.022	323.57
181.28	6.9227	322.74
181.48	6.8242	320.9
181.68	6.7267	318.32
181.88	6.6302	315.16
182.	6.5726	313.08
182.02	6.563	312.75
182.04	6.5535	312.42
182.1	6.5248	311.47
182.28	6.4398	308.85
182.48	6.3463	306.05
182.68	6.2539	303.3
182.88	6.1627	300.69
183.08	6.0725	298.56
183.28	5.9835	297.02
183.48	5.8955	295.85
183.68	5.8087	294.97
183.88	5.7229	294.3
184.	5.6719	293.96
184.02	5.6634	293.9
184.04	5.6549	293.83
184.1	5.6295	293.55
184.28	5.5543	292.44
184.48	5.4718	290.98
184.68	5.3904	289.37
184.88	5.31	287.64
185.08	5.2308	285.94
185.28	5.1527	284.42
185.48	5.0757	283.
185.68	4.9998	281.64
185.88	4.9251	280.34
186.	4.8806	279.57
186.02	4.8732	279.44
186.04	4.8659	279.31
186.1	4.8438	278.95
186.28	4.7786	277.9
186.48	4.7073	276.79
186.68	4.6372	275.73
186.88	4.5682	274.7
187.08	4.5003	273.7
187.28	4.4336	272.71
187.48	4.3681	271.73
187.68	4.3037	270.76
187.88	4.2404	269.81
188.	4.2029	269.25
188.02	4.1966	269.15

	4.1904	269.05
188.1	4.1718	268.71
188.28	4.1169	267.54
188.48	4.0571	266.11
188.68	3.9985	264.57
188.88	3.941	262.95
189.08	3.8847	261.36
189.28	3.8295	259.93
189.48	3.7756	258.59
189.68	3.7227	257.32
189.88	3.6711	256.08
190.	3.6405	255.36
190.02	3.6354	255.24
190.04	3.6303	255.12
190.1	3.6152	254.77
190.28	3.5708	253.78
190.48	3.5226	252.72
190.68	3.4755	251.7
190.88	3.4295	250.72
191.08	3.3847	249.76
191.28	3.3409	248.82
191.48	3.2983	247.89
191.68	3.2567	246.99
191.88	3.2163	246.1
192.	3.1924	245.58
192.02	3.1884	245.49
192.04	3.1844	245.4
192.1	3.1727	245.15
192.28	3.1382	244.4
192.48	3.1009	243.58
192.68	3.0647	242.79
192.88	3.0296	242.02
193.08	2.9955	241.25
193.28	2.9624	240.48
193.48	2.9304	239.7
193.68	2.8994	238.92
193.88	2.8694	238.15
194.	2.8517	237.69
194.02	2.8488	237.61
194.04	2.8459	237.53
194.1	2.8372	237.3
194.28	2.812	236.61
194.48	2.785	235.84
194.68	2.759	235.08
194.88	2.734	234.33
195.08	2.7099	233.61
195.28	2.6868	232.93
195.48	2.6646	232.28
195.68	2.6434	231.66
195.88	2.623	231.06
196.	2.6112	230.71
196.02	2.6092	230.65
196.04	2.6073	230.59
196.1	2.6015	230.42
196.28	2.5848	229.92
196.48	2.5672	229.38
196.68	2.5505	228.86
196.88	2.5347	228.36
197.08	2.5197	227.74
197.28	2.5055	226.86
197.48	2.4922	225.81
197.68	2.4798	224.63
197.88	2.4682	223.35
198.	2.4615	222.55
198.02	2.4604	222.43
198.04	2.4593	222.31

	2.4561	222.01
198.28	2.4472	221.42
198.48	2.4381	221.
198.68	2.4297	220.76
198.88	2.4222	220.67
199.08	2.4154	220.56
199.28	2.4094	220.29
199.48	2.4042	219.92
199.68	2.3996	219.5
199.88	2.3958	219.05
200.	2.3937	218.77
200.02	2.3934	218.72
200.04	2.3931	218.68
200.1	2.3922	218.54
200.28	2.39	218.13
200.48	2.3883	217.69
200.68	2.3872	217.25
200.88	2.3869	216.81
201.08	2.3872	216.38
201.28	2.3882	215.97
201.48	2.3898	215.58
201.68	2.3921	215.19
201.88	2.395	214.81
202.	2.397	214.59
202.02	2.3973	214.55
202.04	2.3976	214.51
202.1	2.3987	214.41
202.28	2.4025	214.12
202.48	2.4072	213.81
202.68	2.4126	213.53
202.88	2.4186	213.26
203.08	2.4251	212.98
203.28	2.4322	212.65
203.48	2.4399	212.31
203.68	2.4481	211.95
203.88	2.4569	211.57
204.	2.4623	211.35
204.02	2.4632	211.31
204.04	2.4641	211.27
204.1	2.4669	211.16
204.28	2.4758	210.83
204.48	2.4861	210.47
204.68	2.497	210.1
204.88	2.5084	209.74
205.08	2.5202	209.27
205.28	2.5326	208.56
205.48	2.5454	208.34
205.68	2.5587	208.21
205.88	2.5726	208.06
206.	2.581	207.96
206.02	2.5825	207.95
206.04	2.5839	207.93
206.1	2.5882	207.9
206.28	2.6015	207.83
206.48	2.6168	207.77
206.68	2.6325	207.72
206.88	2.6488	207.68
207.08	2.6654	207.65
207.28	2.6826	207.63
207.48	2.7001	207.61
207.68	2.7182	207.6
207.88	2.7366	207.59
208.	2.7478	
208.02	2.7497	207.58
208.04	2.7516	
208.1	2.7572	

208.28	2.7746	207.55
208.48	2.7943	207.52
208.68	2.8144	207.48
208.88	2.8349	207.44
209.08	2.8558	207.4
209.28	2.8771	207.37
209.48	2.8988	207.33
209.68	2.9209	207.3
209.88	2.9434	207.27
210.	2.9571	207.25
210.02	2.9593	
210.04	2.9616	207.24
210.1	2.9685	
210.28	2.9895	207.21
210.48	3.0132	207.19
210.68	3.0372	207.17
210.88	3.0617	207.15
211.08	3.0865	207.13
211.28	3.1117	207.11
211.48	3.1373	207.1
211.68	3.1632	
211.88	3.1895	207.09
212.	3.2055	
212.02	3.2081	
212.04	3.2108	207.08
212.1	3.2188	
212.28	3.2431	207.07
212.48	3.2705	207.06
212.68	3.2982	207.04
212.88	3.3262	207.03
213.08	3.3546	207.01
213.28	3.3833	206.98
213.48	3.4124	206.94
213.68	3.4418	206.9
213.88	3.4715	206.86
214.	3.4894	206.83
214.02	3.4924	
214.04	3.4954	206.82
214.1	3.5044	206.81
214.28	3.5318	206.79
214.48	3.5624	206.76
214.68	3.5934	206.73
214.88	3.6247	206.7
215.08	3.6563	206.68
215.28	3.6881	206.65
215.48	3.7203	206.62
215.68	3.7528	206.59
215.88	3.7855	206.56
216.	3.8052	206.54
216.02	3.8085	
216.04	3.8118	
216.1	3.8217	206.53
216.28	3.8517	206.51
216.48	3.8852	206.49
216.68	3.9191	206.46
216.88	3.9531	206.44
217.08	3.9875	206.42
217.28	4.0221	206.39
217.48	4.0569	206.36
217.68	4.092	206.33
217.88	4.1273	206.29
218.	4.1486	206.27
218.02	4.1521	
218.04	4.1557	206.26
218.1	4.1664	206.25
218.28	4.1986	206.23

218.48	4.2346	206.2
218.68	4.2709	206.18
218.88	4.3073	206.16
219.08	4.344	206.14
219.28	4.3809	206.11
219.48	4.4181	206.08
219.68	4.4554	206.05
219.88	4.4929	206.02
220.	4.5155	206.01
220.02	4.5193	206.
220.04	4.5231	
220.1	4.5344	205.99
220.28	4.5686	205.97
220.48	4.6067	205.94
220.68	4.645	205.91
220.88	4.6836	205.88
221.08	4.7223	205.85
221.28	4.7612	205.82
221.48	4.8003	205.79
221.68	4.8395	205.76
221.88	4.8789	205.73
222.	4.9027	205.72
222.02	4.9066	205.71
222.04	4.9106	
222.1	4.9225	205.7
222.28	4.9583	205.68
222.48	4.9982	205.65
222.68	5.0383	205.62
222.88	5.0786	205.59
223.08	5.119	205.57
223.28	5.1596	205.54
223.48	5.2003	205.52
223.68	5.2412	205.49
223.88	5.2822	205.47
224.	5.3068	205.46
224.02	5.311	
224.04	5.3151	
224.1	5.3274	205.45
224.28	5.3646	205.43
224.48	5.406	205.41
224.68	5.4476	205.39
224.88	5.4893	205.37
225.08	5.5311	205.33
225.28	5.5731	205.29
225.48	5.6152	205.24
225.68	5.6574	205.19
225.88	5.6998	205.14
226.	5.7252	205.12
226.02	5.7295	205.11
226.04	5.7337	
226.1	5.7465	205.09
226.28	5.7849	205.04
226.48	5.8276	204.99
226.68	5.8705	204.93
226.88	5.9136	204.88
227.08	5.9568	204.82
227.28	6.0001	204.77
227.48	6.0435	204.72
227.68	6.087	204.66
227.88	6.1307	204.61
228.	6.1569	204.58
228.02	6.1613	204.57
228.04	6.1657	
228.1	6.1788	204.55
228.28	6.2183	204.51
228.48	6.2623	204.45

228.68	6.3064	204.4
228.88	6.3506	204.35
229.08	6.3949	204.3
229.28	6.4394	204.25
229.48	6.4839	204.2
229.68	6.5286	204.15
229.88	6.5733	204.1
230.	6.6002	204.07
230.02	6.6047	
230.04	6.6092	204.06
230.1	6.6227	204.05
230.28	6.6632	204.
230.48	6.7083	203.95
230.68	6.7535	203.9
230.88	6.7988	203.85
231.08	6.8442	203.8
231.28	6.8898	203.75
231.48	6.9354	203.71
231.68	6.9812	203.66
231.88	7.027	203.61
232.	7.0546	203.58
232.02	7.0592	
232.04	7.0637	203.57
232.1	7.0775	203.56
232.28	7.119	203.51
232.48	7.1651	203.46
232.68	7.2114	203.42
232.88	7.2578	203.37
233.08	7.3042	203.32
233.28	7.3507	203.27
233.48	7.3974	203.23
233.68	7.4441	203.18
233.88	7.4909	203.13
234.	7.519	203.1
234.02	7.5237	
234.04	7.5284	
234.1	7.5425	203.08
234.28	7.5848	203.04
234.48	7.6318	202.99
234.68	7.679	202.95
234.88	7.7262	202.9
235.08	7.7735	202.85
235.28	7.8209	202.81
235.48	7.8683	202.77
235.68	7.9158	202.73
235.88	7.9634	202.69
236.	7.9919	202.67
236.02	7.9967	
236.04	8.0015	202.66
236.1	8.0157	202.65
236.28	8.0586	202.63
236.48	8.1063	202.6
236.68	8.1541	202.58
236.88	8.2019	202.56
237.08	8.2497	202.53
237.28	8.2976	202.51
237.48	8.3455	202.49
237.68	8.3934	202.47
237.88	8.4414	202.45
238.	8.4702	202.44
238.02	8.475	202.43
238.04	8.4798	
238.1	8.4942	202.42
238.28	8.5374	202.41
238.48	8.5854	202.38
238.68	8.6335	202.36

238.88	8.6816	202.34
239.08	8.7297	202.33
239.28	8.7778	202.31
239.48	8.8259	202.29
239.68	8.874	202.27
239.88	8.9221	202.26
240.	8.9509	202.25
240.02	8.9557	
240.04	8.9605	
240.1	8.975	
240.28	9.0183	202.24
240.48	9.0663	202.23
240.68	9.1144	202.22
240.88	9.1624	202.21
241.08	9.2104	202.2
241.28	9.2584	202.18
241.48	9.3063	202.17
241.68	9.3543	202.15
241.88	9.4022	202.13
242.	9.4309	202.12
242.02	9.4357	
242.04	9.4405	
242.1	9.4548	202.11
242.28	9.4979	202.1
242.48	9.5457	202.09
242.68	9.5934	202.11
242.88	9.6411	202.15
243.08	9.6887	202.16
243.28	9.7363	202.15
243.48	9.7839	202.13
243.68	9.8313	202.09
243.88	9.8788	202.06
244.	9.9072	202.05
244.02	9.912	202.04
244.04	9.9167	
244.1	9.9309	202.03
244.28	9.9735	202.01
244.48	10.021	201.99
244.68	10.068	201.98
244.88	10.115	201.96
245.08	10.162	201.95
245.28	10.209	201.94
245.48	10.256	201.95
245.68	10.303	201.96
245.88	10.35	201.98
246.	10.378	201.99
246.02	10.383	
246.04	10.387	202.
246.1	10.401	
246.28	10.443	201.98
246.48	10.49	201.96
246.68	10.537	201.93
246.88	10.583	201.9
247.08	10.629	201.88
247.28	10.676	201.86
247.48	10.722	201.85
247.68	10.768	201.86
247.88	10.814	201.88
248.	10.842	201.89
248.02	10.847	
248.04	10.851	
248.1	10.865	
248.28	10.906	201.87
248.48	10.952	201.84
248.68	10.998	201.81
248.88	11.044	201.79

249.08	11.089	201.76
249.28	11.135	201.74
249.48	11.18	201.72
249.68	11.226	201.7
249.88	11.271	201.68
250.	11.298	201.67
250.02	11.303	
250.04	11.308	201.66
250.1	11.321	
250.28	11.362	201.64
250.48	11.407	201.62
250.68	11.452	201.6
250.88	11.497	201.58
251.08	11.542	201.56
251.28	11.587	201.54
251.48	11.632	201.52
251.68	11.676	201.5
251.88	11.721	201.48
252.	11.748	201.47
252.02	11.752	
252.04	11.757	
252.1	11.77	201.46
252.28	11.81	201.45
252.48	11.854	201.43
252.68	11.899	201.41
252.88	11.943	201.39
253.08	11.987	201.37
253.28	12.031	201.35
253.48	12.076	201.32
253.68	12.12	201.3
253.88	12.164	201.27
254.	12.19	201.26
254.02	12.194	
254.04	12.199	
254.1	12.212	201.25
254.28	12.251	201.23
254.48	12.295	201.21
254.68	12.339	201.18
254.88	12.382	201.16
255.08	12.426	201.14
255.28	12.47	201.12
255.48	12.513	201.1
255.68	12.556	201.08
255.88	12.6	201.06
256.	12.626	201.04
256.02	12.63	
256.04	12.634	
256.1	12.647	201.03
256.28	12.686	201.02
256.48	12.729	201.
256.68	12.772	200.98
256.88	12.815	200.97
257.08	12.858	200.98
257.28	12.901	
257.48	12.944	
257.68	12.987	
257.88	13.029	200.97
258.	13.055	200.96
258.02	13.059	
258.04	13.063	
258.1	13.076	200.95
258.28	13.114	200.94
258.48	13.157	200.93
258.68	13.199	200.92
258.88	13.242	200.91
259.08	13.284	200.9

259.28	13.326	200.89
259.48	13.368	
259.68	13.41	200.9
259.88	13.452	200.91
260.	13.477	200.92
260.02	13.482	
260.04	13.486	
260.1	13.498	
260.28	13.536	200.9
260.48	13.578	200.87
260.68	13.619	200.85
260.88	13.661	200.83
261.08	13.703	200.81
261.28	13.744	200.79
261.48	13.785	200.78
261.68	13.827	200.76
261.88	13.868	200.75
262.	13.893	200.74
262.02	13.897	
262.04	13.901	200.73
262.1	13.913	
262.28	13.95	200.72
262.48	13.991	200.7
262.68	14.032	200.69
262.88	14.073	200.68
263.08	14.114	200.66
263.28	14.155	200.65
263.48	14.195	200.63
263.68	14.236	200.62
263.88	14.277	200.6
264.	14.301	
264.02	14.305	200.59
264.04	14.309	
264.1	14.321	
264.28	14.357	200.57
264.48	14.398	200.56
264.68	14.438	200.55
264.88	14.478	200.53
265.08	14.518	200.52
265.28	14.558	200.51
265.48	14.598	200.49
265.68	14.638	200.48
265.88	14.678	200.46
266.	14.702	200.45
266.02	14.706	
266.04	14.71	
266.1	14.721	
266.28	14.757	200.43
266.48	14.797	200.41
266.68	14.836	200.39
266.88	14.876	200.38
267.08	14.915	200.36
267.28	14.954	200.35
267.48	14.994	200.34
267.68	15.033	200.33
267.88	15.072	200.32
268.	15.095	200.31
268.02	15.099	
268.04	15.103	
268.1	15.115	
268.28	15.15	200.3
268.48	15.189	200.29
268.68	15.228	
268.88	15.266	
269.08	15.305	200.3
269.28	15.344	200.31

269.48	15.382	200.32
269.68	15.421	200.33
269.88	15.459	200.35
270.	15.482	200.36
270.02	15.486	
270.04	15.49	
270.1	15.501	
270.28	15.535	200.38
270.48	15.574	200.39
270.68	15.612	200.4
270.88	15.65	200.42
271.08	15.688	200.43
271.28	15.725	200.44
271.48	15.763	
271.68	15.801	200.45
271.88	15.839	
272.	15.861	
272.02	15.865	
272.04	15.869	
272.1	15.88	
272.28	15.914	
272.48	15.951	
272.68	15.988	200.44
272.88	16.026	200.43
273.08	16.063	200.42
273.28	16.1	200.4
273.48	16.137	200.37
273.68	16.174	200.34
273.88	16.211	200.31
274.	16.233	200.3
274.02	16.236	
274.04	16.24	200.29
274.1	16.251	
274.28	16.284	200.27
274.48	16.321	200.25
274.68	16.357	200.24
274.88	16.394	200.22
275.08	16.43	200.21
275.28	16.467	200.19
275.48	16.503	200.18
275.68	16.539	200.16
275.88	16.575	200.14
276.	16.597	200.13
276.02	16.601	
276.04	16.604	
276.1	16.615	200.12
276.28	16.647	200.11
276.48	16.683	200.09
276.68	16.719	200.07
276.88	16.755	200.05
277.08	16.791	200.03
277.28	16.826	200.02
277.48	16.862	200.
277.68	16.898	199.98
277.88	16.933	199.96
278.	16.954	199.94
278.02	16.958	
278.04	16.961	
278.1	16.972	199.93
278.28	17.004	199.91
278.48	17.039	199.89
278.68	17.075	199.87
278.88	17.11	199.85
279.08	17.145	199.83
279.28	17.18	199.81
279.48	17.215	199.79

279.68	17.25	199.77
279.88	17.285	199.75
280.	17.306	199.74
280.02	17.309	
280.04	17.313	199.73
280.1	17.323	
280.28	17.355	199.71
280.48	17.39	199.69
280.68	17.424	199.67
280.88	17.459	199.65
281.08	17.494	199.63
281.28	17.528	199.61
281.48	17.563	199.6
281.68	17.598	199.58
281.88	17.632	199.57
282.	17.653	199.56
282.02	17.656	199.55
282.04	17.66	
282.1	17.67	
282.28	17.701	199.53
282.48	17.735	199.52
282.68	17.77	199.51
282.88	17.804	199.49
283.08	17.838	199.48
283.28	17.872	199.47
283.48	17.906	199.46
283.68	17.94	199.45
283.88	17.974	199.44
284.	17.995	199.43
284.02	17.998	
284.04	18.002	
284.1	18.012	
284.28	18.042	199.42
284.48	18.076	199.41
284.68	18.11	
284.88	18.144	199.42
285.08	18.178	199.43
285.28	18.211	199.44
285.48	18.245	
285.68	18.278	199.45
285.88	18.312	
286.	18.332	
286.02	18.335	
286.04	18.339	
286.1	18.349	199.46
286.28	18.379	199.47
286.48	18.412	199.49
286.68	18.445	199.51
286.88	18.478	199.53
287.08	18.512	199.54
287.28	18.545	199.55
287.48	18.578	199.54
287.68	18.611	199.53
287.88	18.643	199.51
288.	18.663	199.5
288.02	18.666	
288.04	18.67	
288.1	18.68	199.49
288.28	18.709	199.48
288.48	18.742	199.47
288.68	18.774	199.46
288.88	18.807	199.45
289.08	18.839	199.44
289.28	18.872	199.43
289.48	18.904	199.42
289.68	18.936	

289.88	18.969	199.41
290.	18.988	199.4
290.02	18.991	
290.04	18.994	
290.1	19.004	199.39
290.28	19.033	
290.48	19.065	199.38
290.68	19.097	199.36
290.88	19.129	199.35
291.08	19.16	199.34
291.28	19.192	199.33
291.48	19.224	199.32
291.68	19.255	199.31
291.88	19.287	199.3
292.	19.306	199.29
292.02	19.309	
292.04	19.312	199.28
292.1	19.322	
292.28	19.35	199.27
292.48	19.381	199.25
292.68	19.413	199.24
292.88	19.444	199.22
293.08	19.475	199.21
293.28	19.506	199.19
293.48	19.537	199.18
293.68	19.568	199.16
293.88	19.599	199.15
294.	19.618	199.14
294.02	19.621	
294.04	19.624	
294.1	19.633	199.13
294.28	19.661	199.12
294.48	19.691	199.11
294.68	19.722	199.1
294.88	19.753	199.09
295.08	19.783	199.13
295.28	19.814	199.26
295.48	19.843	199.42
295.67	19.873	199.61
295.87	19.903	199.83
296.	19.923	199.98
296.02	19.926	200.
296.04	19.929	200.02
296.1	19.938	200.06
296.28	19.965	200.13
296.48	19.994	200.17
296.68	20.024	200.18
296.88	20.054	200.17
297.08	20.084	200.15
297.28	20.113	200.12
297.48	20.142	200.08
297.68	20.172	200.03
297.88	20.201	199.98
298.	20.219	199.94
298.02	20.221	
298.04	20.224	199.93
298.1	20.233	199.94
298.28	20.259	199.97
298.48	20.288	200.04
298.68	20.317	200.13
298.88	20.346	200.24
299.08	20.375	200.35
299.28	20.404	200.43
299.48	20.432	200.5
299.68	20.46	200.56
299.88	20.489	200.62

300.	20.506	200.65
300.02	20.508	200.66
300.04	20.511	
300.1	20.52	200.68
300.28	20.545	200.72
300.48	20.573	200.76
300.68	20.6	200.8
300.88	20.628	200.83
301.08	20.656	200.85
301.28	20.683	
301.48	20.71	200.84
301.68	20.737	200.81
301.88	20.764	200.78
302.	20.781	200.75
302.98	20.909	201.58
303.96	20.897	202.76
306.61	20.84	203.21
314.01	20.708	202.37
316.48	20.665	202.6
318.95	20.624	202.06
320.21	20.603	201.98
321.42	20.583	201.87
322.63	20.564	201.71
326.26	20.505	201.
336.06	20.345	198.85
345.86	20.195	196.76
355.66	20.061	194.96
365.46	19.947	193.17
375.26	19.855	191.56
385.06	19.785	190.08
394.86	19.736	188.57
400.	19.716	187.79
401.	19.712	187.64
402.	19.708	187.49
405.	19.699	187.04
414.	19.686	185.73
424.	19.687	184.31
434.	19.701	182.88
444.	19.727	181.32
454.	19.763	179.87
464.	19.809	178.46
474.	19.863	177.18
484.	19.926	175.94
494.	19.996	174.58
500.	20.039	173.77
501.	20.046	173.64
502.	20.054	173.51
505.	20.076	173.11
514.	20.148	172.
524.	20.231	170.8
534.	20.318	169.6
544.	20.408	168.44
554.	20.501	167.29
564.	20.595	166.23
574.	20.692	165.18
584.	20.789	164.15
594.	20.887	163.12
600.	20.946	162.51
606.	21.005	161.9
612.	21.064	161.29
630.	21.24	159.51
684.	21.734	154.42
738.	22.188	149.62
798.		144.55
858.		139.74
918.		135.18

978.	22.25	130.84
1038.		126.7
1098.		122.76
1158.		118.99
1200.		116.43
1212.		115.7
1224.		114.99
1260.		112.91
1368.		107.07
1476.		101.66
1596.		96.1
1716.		90.964
1836.		86.205
1956.		81.793
2076.		79.359
2196.		78.238
2316.		77.066
2400.		76.22
2412.		76.1
2424.		75.98
2460.		75.63
2568.		75.188
2676.		74.726
2796.		74.105
2916.		73.388
3036.		72.592
3156.	22.236	71.732
3276.	22.184	70.82
3396.	22.138	69.868
3516.	22.097	68.883
3600.	22.07	68.172
3612.	22.067	68.071
3624.	22.063	67.97
3660.	22.051	67.678
3768.	22.023	66.761
3876.	21.998	65.871
3996.	21.972	64.9
4116.	21.95	63.946
4236.	21.93	63.001
4356.	21.912	62.061
4476.	21.897	61.127
4596.	21.883	60.2
4716.	21.872	59.277
4800.	21.864	58.633
4812.	21.863	58.541
4824.	21.862	58.45
4860.	21.859	58.175
4968.	21.851	57.36
5076.	21.845	56.549
5196.	21.839	55.66
5316.	21.833	54.779
5436.	21.829	53.911
5556.	21.826	53.055
5676.	21.823	52.211
5796.	21.821	51.383
5916.	21.82	50.568
6000.	21.819	50.003
6012.		49.923
6024.		49.842
6060.	21.818	49.602
6168.		48.898
6276.	21.819	48.205
6396.		47.449
6516.	21.82	46.709
6636.	21.822	45.986
6756.	21.823	45.278

6876.	21.825	44.585
6996.	21.827	43.907
7116.	21.83	43.247
7200.	21.672	42.792

FIGURE 20
Model (J4) > Transient Thermal (J5) > Solution (J6) > Drum Content T

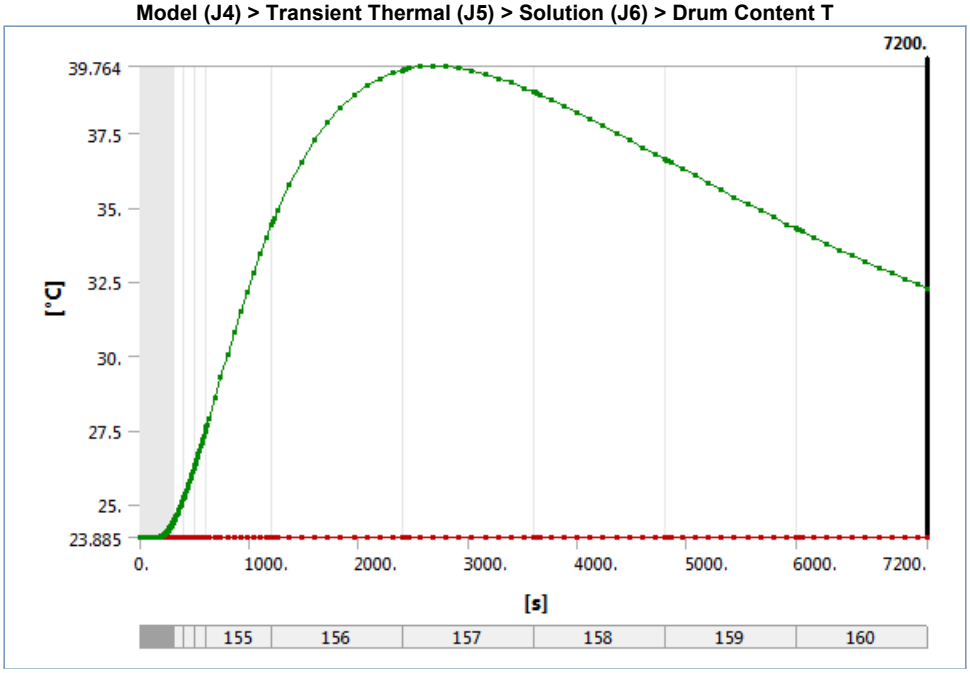

TABLE 28
Model (J4) > Transient Thermal (J5) > Solution (J6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		

4.88
5.08
5.28
5.48
5.68
5.88
6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48
10.68
10.88
11.08
11.28
11.48
11.68
11.88
12.
12.02
12.04
12.1
12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68
13.88
14.
14.02
14.04
14.1
14.28
14.48
14.68
14.88

15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68
23.88
24.
24.02
24.04
24.1
24.28
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25.08

25.48
25.68
25.88
26.
26.02
26.04
26.1
26.28
26.48
26.68
26.88
27.08
27.28
27.48
27.68
27.88
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.16
30.34
30.54
30.74
30.94
31.14
31.34
31.54
31.74
31.87
32.
32.02
32.04
32.1
32.28
32.48
32.68
32.88
33.08
33.28
33.48
33.68
33.88
34.
34.02
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35.48
35.68
35.88
36.
36.02
36.04
36.1
36.28
36.48
36.68
36.88
37.08
37.28
37.48
37.68
37.88
38.
38.02
38.04
38.1
38.28
38.48
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38.88
39.08
39.28
39.48
39.68
39.88
40.
40.02
40.04
40.1
40.28
40.48
40.68
40.88
41.08
41.28
41.48
41.68
41.88
42.
42.02
42.04
42.1
42.28
42.48
42.68
42.88
43.08
43.28
43.48
43.68
43.88
44.
44.02
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45.08
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46.
46.02
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52.02
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55.88		
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71.08
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72.02
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72.48
72.68
72.88
73.08
73.28
73.48
73.68
73.88
74.
74.02
74.04
74.1
74.28
74.48
74.68
74.88
75.08
75.28
75.48
75.68
75.88
76.

76.02
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77.88
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78.02
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81.08
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83.08
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83.68
83.88
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84.02
84.04
84.1
84.28
84.48
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85.08
85.28
85.48
85.68
85.88
86.
86.02

86.04
86.1
86.28
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87.08
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276.1		24.232
276.28		24.233
276.48		24.234

276.68	24.235
276.88	24.236
277.08	24.237
277.28	24.239
277.48	24.24
277.68	24.241
277.88	24.242
278.	24.243
278.02	
278.04	
278.1	
278.28	24.244
278.48	24.246
278.68	24.247
278.88	24.248
279.08	24.249
279.28	24.25
279.48	24.252
279.68	24.253
279.88	24.254
280.	24.255
280.02	
280.04	
280.1	
280.28	24.256
280.48	24.257
280.68	24.259
280.88	24.26
281.08	24.261
281.28	24.262
281.48	24.263
281.68	24.265
281.88	24.266
282.	24.267
282.02	
282.04	
282.1	
282.28	24.268
282.48	24.269
282.68	24.271
282.88	24.272
283.08	24.273
283.28	24.274
283.48	24.276
283.68	24.277
283.88	24.278
284.	24.279
284.02	
284.04	
284.1	
284.28	24.28
284.48	24.282
284.68	24.283
284.88	24.284
285.08	24.285
285.28	24.287
285.48	24.288
285.68	24.289
285.88	24.29
286.	24.291
286.02	
286.04	
286.1	24.292
286.28	24.293
286.48	24.294
286.68	24.295

286.88		24.296
287.08		24.298
287.28		24.299
287.48		24.3
287.68		24.301
287.88		24.303
288.		
288.02		24.304
288.04		
288.1		
288.28		24.305
288.48		24.306
288.68		24.308
288.88		24.309
289.08		24.31
289.28		24.311
289.48		24.313
289.68		24.314
289.88	23.887	24.315
290.		24.316
290.02		
290.04		
290.1		24.317
290.28		24.318
290.48		24.319
290.68		24.32
290.88		24.322
291.08		24.323
291.28		24.324
291.48		24.325
291.68		24.327
291.88		24.328
292.		24.329
292.02		
292.04		
292.1		
292.28		24.331
292.48		24.332
292.68		24.333
292.88		24.334
293.08		24.336
293.28		24.337
293.48		24.338
293.68		24.34
293.88		24.341
294.		24.342
294.02		
294.04		
294.1		
294.28		24.344
294.48		24.345
294.68	23.888	24.346
294.88		24.347
295.08		24.349
295.28		24.35
295.48		24.351
295.67		24.353
295.87		24.354
296.		24.355
296.02		
296.04		
296.1		
296.28		24.357
296.48		24.358
296.68		24.359
296.88		24.361

297.08		24.362
297.28		24.363
297.48		24.365
297.68		24.366
297.88		24.367
298.		24.368
298.02		
298.04		
298.1		24.369
298.28		24.37
298.48		24.371
298.68		24.373
298.88		24.374
299.08		24.375
299.28		24.377
299.48		24.378
299.68		24.379
299.88		24.381
300.		
300.02		24.382
300.04		
300.1		
300.28		24.383
300.48		24.385
300.68		24.386
300.88		24.387
301.08		24.389
301.28		24.39
301.48		24.391
301.68		24.393
301.88		24.394
302.		24.395
302.98		24.402
303.96		24.408
306.61		24.427
314.01		24.477
316.48		24.495
318.95		24.513
320.21		24.523
321.42		24.532
322.63		24.541
326.26	23.889	24.568
336.06		24.642
345.86		24.72
355.66		24.801
365.46		24.886
375.26		24.974
385.06		25.064
394.86		25.157
400.		25.208
401.		25.219
402.		25.229
405.		25.259
414.		25.35
424.		25.452
434.		25.557
444.		25.663
454.		25.772
464.		25.883
474.		25.995
484.		26.109
494.		26.224
500.		26.295
501.		26.307
502.		26.319
505.		26.355

514.		26.462
524.		26.581
534.		26.701
544.		26.822
554.		26.944
564.		27.067
574.		27.19
584.		27.315
594.		27.439
600.		27.515
606.		27.592
612.		27.668
630.		27.89
684.		28.594
738.		29.287
798.		30.041
858.		30.773
918.		31.479
978.		32.158
1038.		32.806
1098.		33.422
1158.		34.006
1200.		34.397
1212.		34.506
1224.		34.614
1260.		34.922
1368.		35.785
1476.		36.539
1596.		37.258
1716.		37.864
1836.		38.367
1956.		38.776
2076.		39.102
2196.		39.352
2316.		39.535
2400.		39.629
2412.	23.89	39.641
2424.		39.653
2460.		39.689
2568.		39.745
2676.		39.764
2796.		39.746
2916.		39.691
3036.		39.605
3156.		39.492
3276.		39.356
3396.		39.199
3516.		39.025
3600.		38.893
3612.		38.875
3624.		38.856
3660.		38.803
3768.		38.619
3876.		38.428
3996.		38.208
4116.		37.981
4236.		37.75
4356.		37.514
4476.		37.275
4596.		37.034
4716.		36.792
4800.	23.891	36.622
4812.		36.598
4824.		36.573
4860.		36.504
4968.		36.286

5076.	23.892	36.068
5196.		35.828
5316.		35.59
5436.		35.355
5556.	23.893	35.122
5676.		34.892
5796.		34.665
5916.	23.894	34.441
6000.		34.285
6012.		34.263
6024.		34.241
6060.		34.177
6168.	23.895	33.981
6276.		33.789
6396.	23.896	33.579
6516.		33.373
6636.	23.897	33.171
6756.	23.898	32.972
6876.		32.777
6996.	23.899	32.587
7116.	23.9	32.399
7200.		32.27

FIGURE 21
Model (J4) > Transient Thermal (J5) > Solution (J6) > Drum T

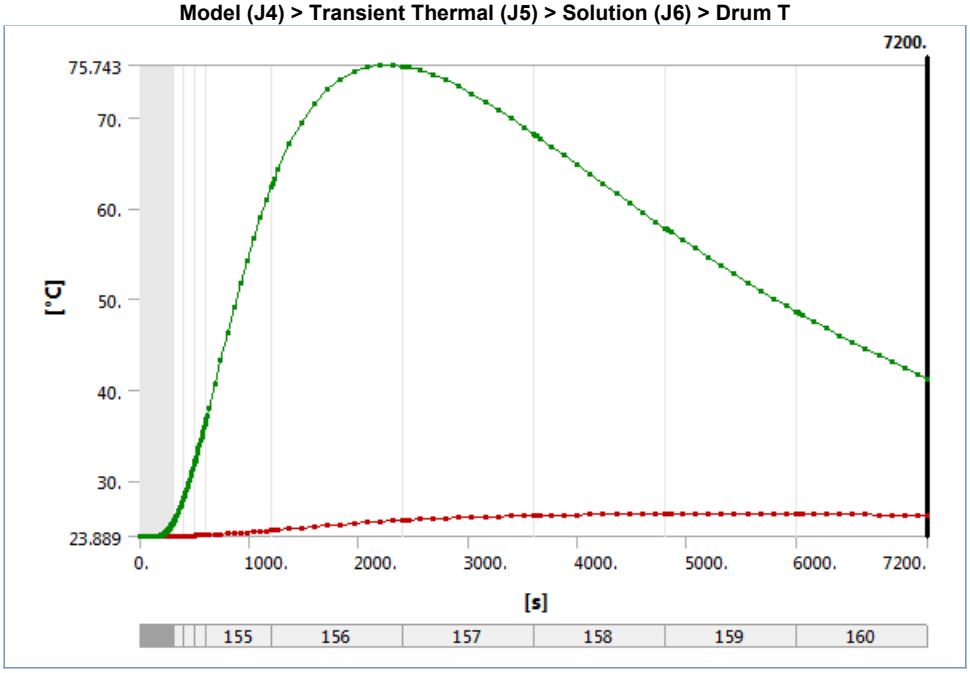

TABLE 29
Model (J4) > Transient Thermal (J5) > Solution (J6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		

2.04
2.1
2.28
2.48
2.68
2.88
3.08
3.28
3.48
3.68
3.88
4.
4.02
4.04
4.1
4.28
4.48
4.68
4.88
5.08
5.28
5.48
5.68
5.88
6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48
10.68
10.88
11.08
11.28
11.48
11.68
11.88
12.
12.02
12.04

12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68
13.88
14.
14.02
14.04
14.1
14.28
14.48
14.68
14.88
15.08
15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
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19.08
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19.48
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20.
20.02
20.04
20.1
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20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1

22.48
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23.68
23.88
24.
24.02
24.04
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24.28
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24.88
25.08
25.28
25.48
25.68
25.88
26.
26.02
26.04
26.1
26.28
26.48
26.68
26.88
27.08
27.28
27.48
27.68
27.88
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.16
30.34
30.54
30.74
30.94
31.14
31.34
31.54
31.74
31.87
32.
32.02
32.04
32.1

32.48
32.68
32.88
33.08
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34.02
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36.02
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37.08
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38.
38.02
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39.88
40.
40.02
40.04
40.1
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40.68
40.88
41.08
41.28
41.48
41.68
41.88
42.
42.02
42.04
42.1
42.28

42.68
42.88
43.08
43.28
43.48
43.68
43.88
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44.02
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62.02
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151.48		
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151.88		
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152.02		
152.04		
152.1		
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152.66		
152.86		
153.06		
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154.		

154.04 154.1 154.28	23.89		

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156.	
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163.86	
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164.28	

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176.88	
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183.88	
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184.48	23.93
184.68	

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185.48		23.933
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188.88		23.945
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189.48		23.947
189.68		23.948
189.88		
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190.88		
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191.68		23.956
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194.68		23.969
194.88		23.97

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195.88	23.975
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199.68	23.994
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215.28		24.1

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225.48		24.191

225.68		24.193
225.88		24.195
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229.68		24.233
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231.48		24.252
231.68		24.254
231.88		24.257
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233.68		24.276
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235.68		24.299

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237.68		24.322
237.88		24.324
238.		24.326
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238.68		24.334
238.88		24.336
239.08		24.339
239.28		24.341
239.48		24.343
239.68		24.346
239.88		24.348
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241.68		24.37
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242.		24.374
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242.88		24.385
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243.68		24.395
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244.		24.399
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244.68		24.408
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245.68		24.421
245.88		24.423

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246.68		24.434
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247.68		24.447
247.88		24.45
248.		24.451
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248.28		24.455
248.48		24.458
248.68		24.461
248.88		24.463
249.08		24.466
249.28		24.469
249.48		24.471
249.68		24.474
249.88		24.477
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252.		24.506
252.02		
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252.68		24.516
252.88		24.519
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253.68		24.53
253.88		24.533
254.		24.535
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254.04		
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254.48		24.541
254.68		24.544
254.88		24.547
255.08		24.55
255.28		24.553
255.48		24.556
255.68		24.559
255.88		24.562
256.		24.563

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256.04		
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256.28		24.568
256.48		24.571
256.68		24.573
256.88		24.576
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257.28		24.582
257.48		24.585
257.68		24.588
257.88		24.591
258.		24.593
258.02		
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258.28		24.597
258.48	23.899	24.6
258.68		24.603
258.88		24.606
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259.48		24.615
259.68		24.618
259.88		24.621
260.		24.623
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260.48		24.631
260.68		24.634
260.88		24.637
261.08		24.64
261.28		24.643
261.48		24.646
261.68		24.649
261.88		24.652
262.		24.654
262.02		
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262.28		24.658
262.48		24.662
262.68		24.665
262.88		24.668
263.08		24.671
263.28		24.674
263.48		24.677
263.68		24.68
263.88	23.9	24.684
264.		24.686
264.02		
264.04		
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264.48		24.693
264.68		24.696
264.88		24.7
265.08		24.703
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265.48		24.709
265.68		24.712
265.88		24.716
266.		24.718
266.02		

266.04		
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266.68		24.729
266.88		24.732
267.08		24.735
267.28		24.738
267.48		24.742
267.68		24.745
267.88		24.748
268.		24.75
268.02		24.751
268.04		
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268.48		24.758
268.68		24.762
268.88		24.765
269.08		24.768
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269.48		24.775
269.68		24.778
269.88		24.782
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270.88		24.798
271.08		24.802
271.28		24.805
271.48		24.809
271.68		24.812
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272.		24.817
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272.68		24.829
272.88		24.833
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273.28		24.839
273.48		24.843
273.68		24.846
273.88		24.85
274.		24.852
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274.28		24.857
274.48		24.86
274.68		24.864
274.88		24.867
275.08		24.871
275.28		24.874
275.48		24.878
275.68		24.881
275.88		24.885
276.		24.887
276.02		24.888
276.04		

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276.28		24.892
276.48		24.896
276.68		24.899
276.88		24.903
277.08	23.903	24.906
277.28		24.91
277.48		24.914
277.68		24.917
277.88		24.921
278.		24.923
278.02		
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278.28		24.928
278.48		24.932
278.68		24.935
278.88		24.939
279.08		24.942
279.28		24.946
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279.68		24.953
279.88		24.957
280.		24.959
280.02		24.96
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280.68		24.972
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281.28		24.983
281.48		24.987
281.68		24.99
281.88	23.904	24.994
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285.68		25.066
285.88		25.07
286.		25.072
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286.04		25.073
286.1		25.074

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287.28		25.097
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287.68		25.105
287.88		25.108
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288.48		25.12
288.68		25.124
288.88		25.128
289.08		25.132
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289.48		25.14
289.68		25.144
289.88		25.148
290.		25.15
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290.68		25.164
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291.08		25.172
291.28		25.176
291.48		25.18
291.68		25.184
291.88		25.188
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292.48		25.2
292.68		25.204
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293.08		25.212
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293.48		25.22
293.68		25.224
293.88		25.228
294.		25.231
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294.28		25.237
294.48		25.241
294.68		25.245
294.88		25.249
295.08		25.253
295.28		25.257
295.48		25.261
295.67		25.265
295.87		25.269
296.		25.272
296.02		
296.04		25.273
296.1		25.274
296.28		25.278

296.48		25.282
296.68		25.286
296.88		25.29
297.08		25.295
297.28		25.299
297.48		25.303
297.68		25.307
297.88		25.311
298.	23.907	25.314
298.02		
298.04		25.315
298.1		25.316
298.28		25.32
298.48		25.324
298.68		25.328
298.88		25.332
299.08		25.337
299.28		25.341
299.48		25.345
299.68		25.349
299.88		25.354
300.		25.356
300.02		25.357
300.04		
300.1		25.358
300.28		25.362
300.48	23.908	25.367
300.68		25.371
300.88		25.375
301.08		25.379
301.28		25.384
301.48		25.388
301.68		25.392
301.88		25.397
302.		25.399
302.98		25.42
303.96	23.909	25.442
306.61		25.5
314.01	23.911	25.664
316.48	23.912	25.721
318.95		25.78
320.21		25.811
321.42	23.913	25.84
322.63		25.87
326.26	23.914	25.959
336.06	23.917	26.204
345.86	23.919	26.463
355.66	23.922	26.736
365.46	23.925	27.021
375.26	23.928	27.319
385.06	23.931	27.629
394.86	23.934	27.95
400.	23.936	28.126
401.	23.937	28.161
402.		28.196
405.	23.938	28.301
414.	23.941	28.616
424.	23.945	28.976
434.	23.949	29.345
444.	23.952	29.725
454.	23.956	30.113
464.	23.96	30.51
474.	23.964	30.915
484.	23.969	31.328
494.	23.973	31.749
500.		32.007

501.	23.976	32.05
502.		32.094
505.	23.978	32.225
514.	23.982	32.617
524.	23.986	33.057
534.	23.991	33.502
544.	23.996	33.953
554.	24.001	34.409
564.	24.006	34.869
574.	24.011	35.334
584.	24.016	35.802
594.	24.021	36.274
600.	24.025	36.561
606.	24.028	36.849
612.	24.031	37.138
630.	24.041	37.991
684.	24.077	40.677
738.	24.115	43.341
798.	24.161	46.239
858.	24.21	49.043
918.	24.263	51.727
978.	24.318	54.277
1038.	24.375	56.678
1098.	24.434	58.924
1158.	24.495	61.011
1200.	24.538	62.389
1212.	24.55	62.773
1224.	24.562	63.151
1260.	24.596	64.218
1368.	24.712	67.024
1476.	24.826	69.354
1596.	24.95	71.423
1716.	25.07	73.017
1836.	25.185	74.194
1956.	25.295	75.013
2076.	25.398	75.514
2196.	25.495	75.743
2316.	25.585	75.741
2400.	25.645	75.626
2412.	25.654	75.607
2424.	25.662	75.587
2460.	25.686	75.525
2568.	25.755	75.176
2676.	25.819	74.715
2796.	25.884	74.094
2916.	25.943	73.378
3036.	25.997	72.583
3156.	26.045	71.723
3276.	26.088	70.812
3396.	26.127	69.86
3516.	26.162	68.876
3600.	26.184	68.165
3612.	26.187	68.064
3624.	26.19	67.963
3660.	26.2	67.672
3768.	26.224	66.742
3876.	26.245	65.803
3996.	26.265	64.758
4116.	26.283	63.711
4236.	26.298	62.665
4356.	26.31	61.622
4476.	26.321	60.587
4596.	26.329	59.561
4716.	26.335	58.545
4800.	26.339	57.835
4812.		57.734

4824.	26.34	57.634
4860.	26.342	57.344
4968.	26.344	56.452
5076.	26.345	55.573
5196.	26.346	54.614
5316.	26.345	53.672
5436.	26.343	52.747
5556.	26.34	51.839
5676.	26.336	50.95
5796.	26.331	50.079
5916.	26.325	49.226
6000.	26.321	48.635
6012.	26.32	48.551
6024.		48.468
6060.	26.318	48.227
6168.	26.312	47.493
6276.	26.305	46.774
6396.	26.297	45.995
6516.	26.288	45.235
6636.	26.279	44.494
6756.	26.27	43.77
6876.	26.26	43.065
6996.	26.25	42.377
7116.	26.24	41.706
7200.	26.233	41.243

FIGURE 22
Model (J4) > Transient Thermal (J5) > Solution (J6) > SWB T

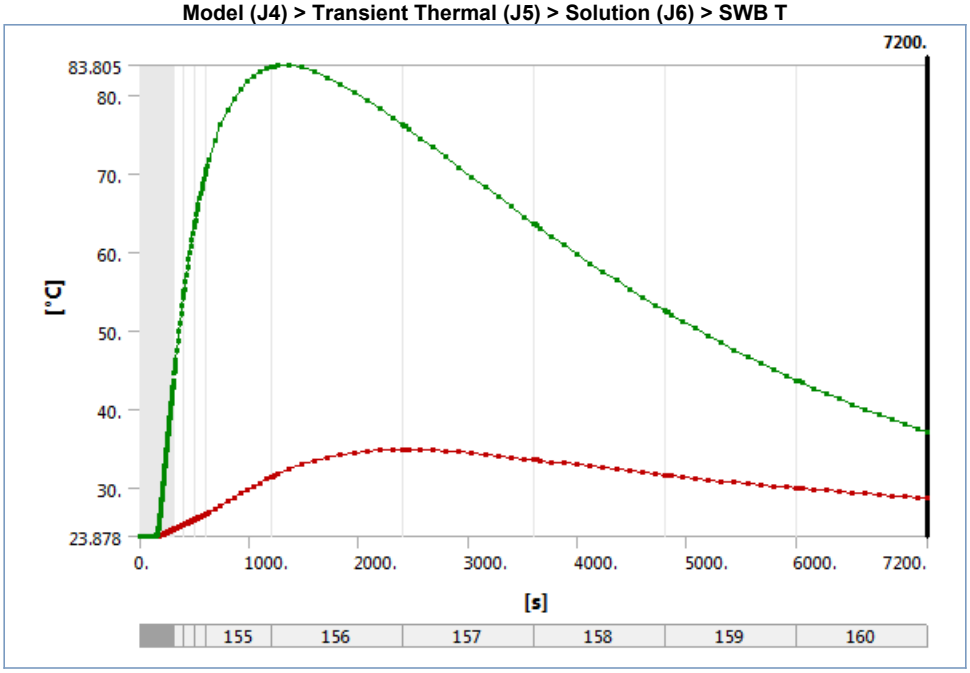

TABLE 30
Model (J4) > Transient Thermal (J5) > Solution (J6) > SWB T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		

1.88
2.
2.02
2.04
2.1
2.28
2.48
2.68
2.88
3.08
3.28
3.48
3.68
3.88
4.
4.02
4.04
4.1
4.28
4.48
4.68
4.88
5.08
5.28
5.48
5.68
5.88
6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48
10.68
10.88
11.08
11.28
11.48
11.68
11.88

12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		
15.48		
15.68		
15.88		
16.		
16.02		
16.04		
16.1		
16.28		
16.48		
16.68		
16.88		
17.08		
17.28		
17.48		
17.68		
17.88		
18.		
18.02		
18.04		
18.1		
18.28		
18.48		
18.68		
18.88		
19.08		
19.28		
19.48		
19.68		
19.88		
20.		
20.02		
20.04		
20.1		
20.28		
20.48		
20.68		
20.88		
21.08		
21.28		
21.48		
21.68		
21.88		
22.		

22.04	
22.1	
22.28	
22.48	
22.68	
22.88	
23.08	
23.28	
23.48	23.89
23.68	
23.88	
24.	
24.02	
24.04	
24.1	
24.28	
24.48	
24.68	
24.88	
25.08	
25.28	
25.48	
25.68	
25.88	
26.	
26.02	
26.04	
26.1	
26.28	
26.48	
26.68	
26.88	
27.08	
27.28	
27.48	
27.68	
27.88	
28.	
28.02	
28.04	
28.1	
28.28	
28.48	
28.68	
28.88	
29.08	
29.28	
29.48	
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.16	
30.34	
30.54	
30.74	
30.94	
31.14	
31.34	
31.54	
31.74	
31.87	
32.	

32.02		
32.04		
32.1		
32.28		
32.48		
32.68		
32.88		
33.08		
33.28		
33.48		
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		
34.48		
34.68		
34.88		
35.08		
35.28		
35.48		
35.68		
35.88		
36.		
36.02		
36.04	23.889	
36.1		
36.28		
36.48		
36.68		
36.88		
37.08		
37.28		
37.48		
37.68		
37.88		
38.		
38.02		
38.04		
38.1		
38.28		
38.48		
38.68		
38.88		
39.08		
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		
40.1		
40.28		
40.48		
40.68		
40.88		
41.08		
41.28		
41.48		
41.68		
41.88		
42.		
42.02		

42.04	
42.1	
42.28	
42.48	
42.68	
42.88	
43.08	
43.28	
43.48	
43.68	
43.88	
44.	
44.02	
44.04	
44.1	
44.28	
44.48	
44.68	
44.88	
45.08	
45.28	
45.48	
45.68	
45.88	
46.	
46.02	
46.04	
46.1	
46.28	
46.48	23.888
46.68	
46.88	
47.08	
47.28	
47.48	
47.68	
47.88	
48.	
48.02	
48.04	
48.1	
48.28	
48.48	
48.68	
48.88	
49.08	
49.28	
49.48	
49.68	
49.88	
50.	
50.02	
50.04	
50.1	
50.28	
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	
51.88	
52.	
52.02	
52.04	

52.1	
52.28	
52.48	
52.68	
52.88	
53.08	
53.28	
53.48	
53.68	
53.88	
54.	
54.02	
54.04	
54.1	
54.28	
54.48	
54.68	
54.88	
55.08	
55.28	
55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	23.887
56.28	
56.48	
56.68	
56.88	
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
58.1	
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58.48	
58.68	
58.88	
59.08	
59.28	
59.48	
59.68	
59.88	
60.	
60.02	
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60.68	
60.88	
61.08	
61.28	
61.48	
61.68	
61.88	
62.	
62.02	
62.04	
62.1	

62.28	
62.48	
62.68	
62.88	
63.08	
63.28	
63.48	
63.68	
63.88	
64.	
64.02	
64.04	
64.1	
64.28	
64.48	
64.68	
64.88	23.886
65.08	
65.28	
65.48	
65.68	
65.88	
66.	
66.02	
66.04	
66.1	
66.28	
66.48	
66.68	
66.88	
67.08	
67.28	
67.48	
67.68	
67.88	
68.	
68.02	
68.04	
68.1	
68.28	
68.48	
68.68	
68.88	
69.08	
69.28	
69.48	
69.68	
69.88	
70.	
70.02	23.885
70.04	
70.1	
70.28	
70.48	
70.68	
70.88	
71.08	
71.28	
71.48	
71.68	
71.88	
72.	
72.02	
72.04	
72.1	
72.28	

72.48	
72.68	
72.88	
73.08	
73.28	
73.48	
73.68	
73.88	
74.	
74.02	
74.04	
74.1	
74.28	
74.48	
74.68	23.884
74.88	
75.08	
75.28	
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76.	
76.02	
76.04	
76.1	
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77.88	
78.	
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78.68	
78.88	
79.08	
79.28	
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80.68	
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81.88	
82.	
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82.04	
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82.28	
82.48	

82.68	
82.88	
83.08	
83.28	
83.48	
83.68	
83.88	
84.	
84.02	
84.04	
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84.28	
84.48	
84.68	
84.88	
85.08	23.883
85.28	
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85.68	
85.88	
86.	
86.02	
86.04	
86.1	
86.28	
86.48	
86.68	
86.88	
87.08	
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87.68	
87.88	
88.	
88.02	
88.04	
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88.48	
88.68	
88.88	
89.08	
89.28	
89.48	
89.68	
89.88	
90.	
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90.04	23.882
90.1	
90.28	
90.48	
90.68	
90.88	
91.08	
91.28	
91.48	
91.68	
91.88	
92.	
92.02	
92.04	
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92.28	
92.48	
92.68	

92.88	
93.08	
93.28	
93.48	
93.68	
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94.	
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94.04	
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96.1	
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96.88	
97.08	
97.28	23.881
97.48	
97.68	
97.88	
98.	
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98.1	
98.28	
98.48	
98.68	
98.88	
99.08	
99.28	
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101.88	
102.	
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102.04	
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102.88	

103.08		
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103.48		
103.68		
103.88		
104.		
104.02		
104.04		
104.1		
104.28		
104.48		
104.68		
104.88		
105.08		
105.28	23.88	
105.48		
105.68		
105.88		
106.		
106.02		
106.04		
106.1		
106.28		
106.48		
106.68		
106.88		
107.08		
107.28		
107.48		
107.68		
107.88	23.879	
108.		
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109.08		
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110.		
110.02		
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110.88		
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111.88		
112.		
112.02		
112.04		
112.1		
112.28		
112.48		
112.68		
112.88		
113.08		

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113.68	
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114.1	
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115.08	
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115.48	
115.68	
115.88	
116.	
116.02	
116.04	
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116.28	
116.48	
116.68	
116.88	
117.08	
117.28	
117.48	
117.68	
117.88	
118.	
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118.04	
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118.3	
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118.85	23.878
119.05	
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119.65	
119.85	
120.	
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120.1	
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120.68	
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121.08	
121.28	
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121.68	
121.88	
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122.02	
122.04	
122.1	
122.28	
122.48	
122.68	
122.88	

123.08	23.879
123.28	
123.48	
123.68	
123.88	
124.	
124.02	
124.04	
124.1	
124.28	
124.48	
124.68	23.88
124.88	
125.08	
125.28	
125.48	
125.68	
125.88	23.881
126.	
126.02	
126.04	
126.1	
126.28	
126.48	
126.68	
126.88	23.882
127.08	
127.28	
127.48	
127.68	23.883
127.88	
128.	
128.02	
128.04	
128.1	
128.28	
128.48	23.884
128.68	
128.88	
129.08	23.885
129.28	
129.48	
129.68	23.886
129.88	
130.	
130.02	
130.04	
130.1	
130.28	
130.48	23.887
130.68	
130.88	

		23.89
131.08	23.888	23.891
131.28		
131.48		23.892
131.68		
131.88		
132.		23.893
132.02		
132.04		
132.1		
132.28		
132.48		23.894
132.68		
132.88		23.895
133.08		
133.28	23.889	23.896
133.48		
133.68		23.897
133.88		
134.		
134.02		
134.04		23.898
134.1		
134.28		
134.48		23.899
134.68		
134.88		23.9
135.08		
135.28		
135.48		23.901
135.68		
135.88		23.902
136.		
136.02		
136.04		
136.1		
136.28		23.903
136.48		
136.68		23.904
136.88		
137.08		23.905
137.28		
137.48		23.906
137.68		
137.88		23.907
138.		
138.02		
138.04		
138.1		
138.28		23.908
138.48		
138.68		23.909
138.88	23.91	23.91
139.08		
139.28		23.911
139.48		
139.68		23.912
139.88		
140.		23.913
140.02		
140.04		
140.1		
140.28		23.914
140.48		
140.68		23.915
140.88		23.916

141.08	23.89	23.917
141.28		
141.48		23.918
141.68		23.919
141.88		23.92
142.		
142.02		
142.04		
142.1		
142.28		23.921
142.48		23.922
142.68		23.923
142.88		23.924
143.08		
143.28		23.925
143.48	23.891	23.926
143.68		23.927
143.88		23.928
144.		23.929
144.02		
144.04		
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144.28		23.93
144.48		23.931
144.68		23.932
144.88		23.933
145.08		23.934
145.28		23.935
145.48		23.937
145.68		23.938
145.88		23.939
146.		23.94
146.02		
146.04		
146.1		23.941
146.28		23.942
146.48		23.944
146.68		23.945
146.88		23.947
147.08	23.892	23.949
147.28		23.951
147.48		23.953
147.68		23.956
147.88		23.958
148.		23.96
148.02		
148.04		
148.1		23.961
148.28		23.963
148.46		23.966
148.66		23.969
148.86		23.972
149.06		23.975
149.26	23.893	23.978
149.46		23.982
149.66		23.985
149.86		23.989
150.		23.991
150.02		23.992
150.04		
150.1		23.994
150.28		23.997
150.48		24.001
150.68		24.005
150.88		24.009
151.08		24.013

151.28	23.894	24.018
151.48		24.022
151.68		24.027
151.88		24.031
152.		24.034
152.02		24.035
152.04		
152.1		24.037
152.28		24.041
152.46	23.895	24.045
152.66		24.05
152.86		24.056
153.06		24.061
153.26		24.067
153.46		24.072
153.66	23.896	24.078
153.86		24.084
154.		24.088
154.02		24.089
154.04		
154.1		24.091
154.28		24.096
154.48		24.103
154.68	23.897	24.109
154.88		24.115
155.08		24.122
155.28		24.128
155.48	23.898	24.135
155.68		24.142
155.88		24.149
156.		24.153
156.02		24.154
156.04		24.155
156.1		24.157
156.28		24.164
156.48	23.899	24.171
156.68		24.178
156.88		24.186
157.08		24.194
157.28	23.9	24.202
157.48		24.21
157.68		24.218
157.88		24.227
158.	23.901	24.232
158.02		24.233
158.04		24.234
158.1		24.236
158.28		24.244
158.48		24.253
158.68	23.902	24.261
158.88		24.27
159.08		24.28
159.28	23.903	24.289
159.48		24.298
159.68		24.308
159.88	23.904	24.318
160.		24.324
160.02		24.325
160.04		24.326
160.1		24.329
160.28		24.338
160.46	23.905	24.347
160.66		24.358
160.86		24.368
161.06	23.906	24.379
161.26		24.39

161.46		24.401
161.66	23.907	24.412
161.86		24.423
162.		24.431
162.02		24.433
162.04		24.434
162.1	23.908	24.437
162.28		24.448
162.46		24.458
162.66	23.909	24.47
162.86		24.482
163.06		24.495
163.26	23.91	24.507
163.46		24.52
163.66	23.911	24.533
163.86		24.546
164.	23.912	24.555
164.02		24.557
164.04		24.558
164.1		24.562
164.28		24.574
164.48	23.913	24.588
164.68		24.602
164.88	23.914	24.615
165.08		24.63
165.28	23.915	24.644
165.48		24.658
165.68	23.916	24.673
165.88		24.688
166.		24.697
166.02		24.699
166.04	23.917	24.7
166.1		24.705
166.28		24.718
166.48	23.918	24.733
166.68		24.749
166.88	23.919	24.765
167.08		24.781
167.28	23.92	24.797
167.48		24.813
167.68	23.921	24.83
167.88	23.922	24.847
168.		24.857
168.02		24.859
168.04		24.861
168.1		24.866
168.28	23.923	24.882
168.48		24.899
168.68	23.924	24.917
168.88	23.925	24.934
169.08		24.952
169.28	23.926	24.971
169.48	23.927	24.989
169.68		25.007
169.88	23.928	25.026
170.		25.037
170.02		25.039
170.04		25.041
170.1	23.929	25.047
170.28		25.063
170.48	23.93	25.082
170.68	23.931	25.101
170.88		25.121
171.08	23.932	25.14
171.28	23.933	25.16
171.48		25.181

171.68	23.934	25.201
171.88	23.935	25.222
172.		25.234
172.02		25.237
172.04		25.239
172.1	23.936	25.245
172.28		25.264
172.48	23.937	25.285
172.68	23.938	25.306
172.88	23.939	25.327
173.08		25.348
173.28	23.94	25.37
173.48	23.941	25.392
173.68	23.942	25.413
173.88		25.435
174.	23.943	25.449
174.02		25.451
174.04		25.453
174.1		25.46
174.28	23.944	25.48
174.48	23.945	25.502
174.68	23.946	25.524
174.88		25.546
175.08	23.947	25.569
175.28	23.948	25.592
175.48	23.949	25.614
175.68	23.95	25.637
175.88	23.951	25.66
176.		25.674
176.02		25.677
176.04		25.679
176.1	23.952	25.686
176.28		25.707
176.48	23.953	25.73
176.68	23.954	25.754
176.88	23.955	25.777
177.08	23.956	25.801
177.28	23.957	25.825
177.48	23.958	25.849
177.68		25.872
177.88	23.959	25.896
178.	23.96	25.911
178.02		25.914
178.04		25.916
178.1		25.923
178.28	23.961	25.945
178.48	23.962	25.969
178.68	23.963	25.994
178.88	23.964	26.018
179.08	23.965	26.043
179.28	23.966	26.068
179.48	23.967	26.092
179.68	23.968	26.117
179.88	23.969	26.142
180.		26.158
180.02		26.16
180.04		26.163
180.1	23.97	26.17
180.28	23.971	26.193
180.48		26.218
180.68	23.972	26.243
180.88	23.973	26.269
181.08	23.974	26.294
181.28	23.975	26.32
181.48	23.976	26.345
181.68	23.977	26.371

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182.04		26.418
182.1		26.426
182.28	23.98	26.449
182.48	23.981	26.475
182.68	23.982	26.501
182.88	23.983	26.527
183.08	23.984	26.553
183.28	23.985	26.579
183.48	23.986	26.605
183.68	23.987	26.631
183.88	23.988	26.658
184.	23.989	26.673
184.02		26.676
184.04		26.679
184.1		26.687
184.28	23.99	26.71
184.48	23.991	26.737
184.68	23.992	26.763
184.88	23.993	26.789
185.08	23.994	26.816
185.28	23.996	26.842
185.48	23.997	26.869
185.68	23.998	26.895
185.88	23.999	26.922
186.		26.938
186.02		26.941
186.04		26.943
186.1	24.	26.951
186.28	24.001	26.975
186.48	24.002	27.002
186.68	24.003	27.028
186.88	24.004	27.055
187.08	24.005	27.082
187.28	24.006	27.109
187.48	24.007	27.135
187.68	24.008	27.162
187.88	24.009	27.189
188.	24.01	27.205
188.02		27.208
188.04		27.211
188.1		27.219
188.28	24.011	27.243
188.48	24.012	27.27
188.68	24.013	27.297
188.88	24.015	27.324
189.08	24.016	27.351
189.28	24.017	27.378
189.48	24.018	27.405
189.68	24.019	27.432
189.88	24.02	27.459
190.	24.021	27.475
190.02		27.478
190.04		27.48
190.1		27.488
190.28	24.022	27.513
190.48	24.023	27.54
190.68	24.024	27.568
190.88	24.025	27.597
191.08	24.027	27.625
191.28	24.028	27.653
191.48	24.029	27.681
191.68	24.03	27.71
191.88	24.031	27.738

192.	24.032	27.755
192.02		27.758
192.04		27.761
192.1		27.769
192.28	24.033	27.795
192.48	24.034	27.823
192.68	24.035	27.852
192.88	24.036	27.88
193.08	24.038	27.909
193.28	24.039	27.937
193.48	24.04	27.966
193.68	24.041	27.994
193.88	24.042	28.023
194.	24.043	28.04
194.02		28.043
194.04		28.046
194.1		28.054
194.28	24.044	28.08
194.48	24.045	28.108
194.68	24.047	28.137
194.88	24.048	28.166
195.08	24.049	28.194
195.28	24.05	28.223
195.48	24.051	28.252
195.68	24.052	28.28
195.88	24.053	28.309
196.	24.054	28.326
196.02		28.329
196.04		28.332
196.1	24.055	28.341
196.28	24.056	28.366
196.48	24.057	28.395
196.68	24.058	28.424
196.88	24.059	28.453
197.08	24.06	28.481
197.28	24.061	28.51
197.48	24.062	28.539
197.68	24.064	28.568
197.88	24.065	28.597
198.		28.614
198.02		28.617
198.04	24.066	28.62
198.1		28.629
198.28	24.067	28.654
198.48	24.068	28.683
198.68	24.069	28.712
198.88	24.07	28.741
199.08	24.072	28.77
199.28	24.073	28.799
199.48	24.074	28.828
199.68	24.075	28.857
199.88	24.076	28.886
200.	24.077	28.903
200.02		28.906
200.04		28.909
200.1		28.917
200.28	24.079	28.944
200.48	24.08	28.973
200.68	24.081	29.001
200.88	24.082	29.031
201.08	24.083	29.06
201.28	24.084	29.089
201.48	24.086	29.118
201.68	24.087	29.147
201.88	24.088	29.176
202.		29.193

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202.04		29.199
202.1		29.208
202.28	24.09	29.234
202.48	24.091	29.263
202.68	24.093	29.292
202.88	24.094	29.321
203.08	24.095	29.35
203.28	24.096	29.38
203.48	24.097	29.409
203.68	24.098	29.438
203.88	24.1	29.467
204.		29.485
204.02		29.488
204.04	24.101	29.491
204.1		29.499
204.28	24.102	29.526
204.48	24.103	29.555
204.68	24.104	29.584
204.88	24.106	29.614
205.08	24.107	29.643
205.28	24.108	29.672
205.48	24.109	29.701
205.68	24.11	29.731
205.88	24.111	29.76
206.	24.112	29.778
206.02		29.781
206.04		29.784
206.1	24.113	29.792
206.28	24.114	29.819
206.48	24.115	29.848
206.68	24.116	29.878
206.88	24.117	29.907
207.08	24.119	29.936
207.28	24.12	29.966
207.48	24.121	29.995
207.68	24.122	30.024
207.88	24.123	30.054
208.	24.124	30.071
208.02		30.074
208.04		30.077
208.1	24.125	30.086
208.28	24.126	30.112
208.48	24.127	30.142
208.68	24.128	30.171
208.88	24.13	30.2
209.08	24.131	30.229
209.28	24.132	30.259
209.48	24.133	30.288
209.68	24.134	30.317
209.88	24.136	30.347
210.		30.364
210.02		30.367
210.04	24.137	30.37
210.1		30.379
210.28	24.138	30.405
210.48	24.139	30.435
210.68	24.14	30.464
210.88	24.142	30.493
211.08	24.143	30.523
211.28	24.144	30.552
211.48	24.145	30.581
211.68	24.146	30.611
211.88	24.148	30.64
212.		30.657
212.02		30.66

212.04	24.149	30.663
212.1		30.672
212.28	24.15	30.698
212.48	24.151	30.728
212.68	24.153	30.757
212.88	24.154	30.786
213.08	24.155	30.816
213.28	24.156	30.845
213.48	24.157	30.874
213.68	24.159	30.903
213.88	24.16	30.933
214.	24.161	30.95
214.02		30.953
214.04		30.956
214.1		30.965
214.28	24.162	30.991
214.48	24.164	31.02
214.68	24.165	31.05
214.88	24.166	31.079
215.08	24.167	31.108
215.28	24.168	31.137
215.48	24.17	31.167
215.68	24.171	31.196
215.88	24.172	31.225
216.	24.173	31.243
216.02		31.246
216.04		31.249
216.1		31.257
216.28	24.175	31.284
216.48	24.176	31.313
216.68	24.177	31.342
216.88	24.178	31.371
217.08	24.179	31.401
217.28	24.181	31.43
217.48	24.182	31.459
217.68	24.183	31.488
217.88	24.184	31.517
218.	24.185	31.535
218.02		31.538
218.04		31.541
218.1	24.186	31.549
218.28	24.187	31.576
218.48	24.188	31.605
218.68	24.189	31.634
218.88	24.191	31.663
219.08	24.192	31.692
219.28	24.193	31.722
219.48	24.194	31.751
219.68	24.196	31.78
219.88	24.197	31.809
220.	24.198	31.826
220.02		31.829
220.04		31.832
220.1		31.841
220.28	24.199	31.867
220.48	24.2	31.896
220.68	24.202	31.926
220.88	24.203	31.955
221.08	24.204	31.984
221.28	24.205	32.013
221.48	24.207	32.042
221.68	24.208	32.071
221.88	24.209	32.1
222.	24.21	32.118
222.02		32.12
222.04		32.123

222.1	24.211	32.132
222.28	24.212	32.158
222.48	24.213	32.187
222.68	24.214	32.216
222.88	24.215	32.245
223.08	24.217	32.274
223.28	24.218	32.303
223.48	24.219	32.333
223.68	24.22	32.362
223.88	24.222	32.391
224.		32.408
224.02		32.411
224.04	24.223	32.414
224.1		32.422
224.28	24.224	32.449
224.48	24.225	32.478
224.68	24.227	32.507
224.88	24.228	32.536
225.08	24.229	32.564
225.28	24.23	32.593
225.48	24.232	32.622
225.68	24.233	32.651
225.88	24.234	32.68
226.	24.235	32.698
226.02		32.701
226.04		32.703
226.1		32.712
226.28	24.237	32.738
226.48	24.238	32.767
226.68	24.239	32.796
226.88	24.24	32.825
227.08	24.242	32.854
227.28	24.243	32.883
227.48	24.244	32.911
227.68	24.245	32.94
227.88	24.247	32.969
228.		32.986
228.02		32.989
228.04	24.248	32.992
228.1		33.001
228.28	24.249	33.026
228.48	24.25	33.055
228.68	24.252	33.084
228.88	24.253	33.113
229.08	24.254	33.141
229.28	24.255	33.17
229.48	24.257	33.199
229.68	24.258	33.227
229.88	24.259	33.256
230.	24.26	33.273
230.02		33.276
230.04		33.279
230.1		33.288
230.28	24.262	33.313
230.48	24.263	33.342
230.68	24.264	33.37
230.88	24.265	33.399
231.08	24.267	33.428
231.28	24.268	33.456
231.48	24.269	33.485
231.68	24.27	33.513
231.88	24.272	33.542
232.		33.559
232.02		33.562
232.04	24.273	33.564
232.1		33.573

232.28	24.274	33.599
232.48	24.275	33.627
232.68	24.277	33.656
232.88	24.278	33.684
233.08	24.279	33.712
233.28	24.28	33.741
233.48	24.282	33.769
233.68	24.283	33.798
233.88	24.284	33.826
234.	24.285	33.843
234.02		33.846
234.04		33.849
234.1	24.286	33.857
234.28	24.287	33.883
234.48	24.288	33.911
234.68	24.289	33.939
234.88	24.29	33.967
235.08	24.292	33.996
235.28	24.293	34.024
235.48	24.294	34.052
235.68	24.295	34.08
235.88	24.297	34.109
236.		34.126
236.02	24.298	34.128
236.04		34.131
236.1		34.14
236.28	24.299	34.165
236.48	24.3	34.193
236.68	24.302	34.221
236.88	24.303	34.25
237.08	24.304	34.278
237.28	24.305	34.306
237.48	24.307	34.334
237.68	24.308	34.362
237.88	24.309	34.39
238.	24.31	34.407
238.02		34.41
238.04		34.413
238.1	24.311	34.421
238.28	24.312	34.447
238.48	24.313	34.475
238.68	24.314	34.503
238.88	24.315	34.531
239.08	24.317	34.559
239.28	24.318	34.587
239.48	24.319	34.615
239.68	24.32	34.643
239.88	24.322	34.671
240.	24.323	34.688
240.02		34.691
240.04		34.694
240.1		34.702
240.28	24.324	34.727
240.48	24.326	34.755
240.68	24.327	34.783
240.88	24.328	34.811
241.08	24.329	34.839
241.28	24.331	34.867
241.48	24.332	34.895
241.68	24.333	34.923
241.88	24.334	34.951
242.	24.335	34.968
242.02		34.971
242.04		34.974
242.1	24.336	34.982
242.28	24.337	35.007

242.48	24.338	35.035
242.68	24.339	35.063
242.88	24.341	35.091
243.08	24.342	35.119
243.28	24.343	35.147
243.48	24.344	35.175
243.68	24.346	35.203
243.88	24.347	35.231
244.	24.348	35.248
244.02		35.25
244.04		35.253
244.1		35.262
244.28	24.349	35.287
244.48	24.351	35.315
244.68	24.352	35.343
244.88	24.353	35.37
245.08	24.355	35.398
245.28	24.356	35.426
245.48	24.357	35.454
245.68	24.358	35.482
245.88	24.36	35.51
246.		35.527
246.02		35.529
246.04	24.361	35.532
246.1		35.54
246.28	24.362	35.566
246.48	24.363	35.593
246.68	24.365	35.621
246.88	24.366	35.649
247.08	24.367	35.677
247.28	24.368	35.705
247.48	24.37	35.733
247.68	24.371	35.76
247.88	24.372	35.788
248.	24.373	35.805
248.02		35.808
248.04		35.81
248.1	24.374	35.819
248.28	24.375	35.844
248.48	24.376	35.871
248.68	24.377	35.899
248.88	24.379	35.927
249.08	24.38	35.955
249.28	24.381	35.983
249.48	24.382	36.01
249.68	24.384	36.038
249.88	24.385	36.066
250.	24.386	36.082
250.02		36.085
250.04		36.088
250.1		36.096
250.28	24.387	36.121
250.48	24.389	36.149
250.68	24.39	36.177
250.88	24.391	36.204
251.08	24.393	36.232
251.28	24.394	36.26
251.48	24.395	36.287
251.68	24.396	36.315
251.88	24.398	36.343
252.		36.359
252.02	24.399	36.362
252.04		36.365
252.1		36.373
252.28	24.4	36.398
252.48	24.401	36.426

252.68	24.403	36.453
252.88	24.404	36.481
253.08	24.405	36.508
253.28	24.407	36.536
253.48	24.408	36.564
253.68	24.409	36.591
253.88	24.41	36.619
254.	24.411	36.635
254.02		36.638
254.04		36.641
254.1	24.412	36.649
254.28	24.413	36.674
254.48	24.414	36.701
254.68	24.415	36.729
254.88	24.417	36.757
255.08	24.418	36.784
255.28	24.419	36.812
255.48	24.421	36.839
255.68	24.422	36.866
255.88	24.423	36.894
256.	24.424	36.91
256.02		36.913
256.04		36.916
256.1	24.425	36.924
256.28	24.426	36.949
256.48	24.427	36.976
256.68	24.428	37.004
256.88	24.43	37.031
257.08	24.431	37.059
257.28	24.432	37.086
257.48	24.433	37.113
257.68	24.435	37.141
257.88	24.436	37.168
258.	24.437	37.185
258.02		37.187
258.04		37.19
258.1		37.198
258.28	24.438	37.223
258.48	24.44	37.25
258.68	24.441	37.278
258.88	24.442	37.305
259.08	24.444	37.333
259.28	24.445	37.36
259.48	24.446	37.387
259.68	24.447	37.415
259.88	24.449	37.442
260.		37.458
260.02	24.45	37.461
260.04		37.464
260.1		37.472
260.28	24.451	37.497
260.48	24.452	37.524
260.68	24.454	37.551
260.88	24.455	37.579
261.08	24.456	37.606
261.28	24.458	37.633
261.48	24.459	37.66
261.68	24.46	37.688
261.88	24.461	37.715
262.	24.462	37.731
262.02		37.734
262.04		37.737
262.1	24.463	37.745
262.28	24.464	37.77
262.48	24.465	37.797
262.68	24.467	37.824

262.88	24.468	37.851
263.08	24.469	37.879
263.28	24.47	37.906
263.48	24.472	37.933
263.68	24.473	37.96
263.88	24.474	37.987
264.	24.475	38.004
264.02		38.006
264.04		38.009
264.1	24.476	38.017
264.28	24.477	38.042
264.48	24.478	38.069
264.68	24.479	38.096
264.88	24.481	38.123
265.08	24.482	38.15
265.28	24.483	38.178
265.48	24.485	38.205
265.68	24.486	38.232
265.88	24.487	38.259
266.	24.488	38.275
266.02		38.278
266.04		38.281
266.1	24.489	38.289
266.28	24.49	38.313
266.48	24.491	38.34
266.68	24.492	38.367
266.88	24.494	38.395
267.08	24.495	38.422
267.28	24.496	38.449
267.48	24.497	38.476
267.68	24.499	38.503
267.88	24.5	38.53
268.	24.501	38.546
268.02		38.549
268.04		38.552
268.1		38.56
268.28	24.503	38.584
268.48	24.504	38.611
268.68	24.505	38.638
268.88	24.506	38.665
269.08	24.508	38.692
269.28	24.509	38.719
269.48	24.51	38.746
269.68	24.512	38.773
269.88	24.513	38.8
270.	24.514	38.816
270.02		38.819
270.04		38.822
270.1		38.83
270.28	24.515	38.854
270.48	24.517	38.881
270.68	24.518	38.908
270.88	24.519	38.935
271.08	24.521	38.962
271.28	24.522	38.989
271.48	24.523	39.016
271.68	24.524	39.043
271.88	24.526	39.07
272.		39.086
272.02	24.527	39.089
272.04		39.091
272.1		39.099
272.28	24.528	39.124
272.48	24.53	39.15
272.68	24.531	39.177
272.88	24.532	39.204

273.08	24.533	39.231
273.28	24.535	39.258
273.48	24.536	39.285
273.68	24.537	39.312
273.88	24.539	39.339
274.		39.355
274.02	24.54	39.358
274.04		39.36
274.1		39.369
274.28	24.541	39.393
274.48	24.543	39.42
274.68	24.544	39.447
274.88	24.545	39.473
275.08	24.546	39.5
275.28	24.548	39.527
275.48	24.549	39.554
275.68	24.55	39.581
275.88	24.552	39.608
276.		39.624
276.02		39.626
276.04	24.553	39.629
276.1		39.637
276.28	24.554	39.661
276.48	24.555	39.688
276.68	24.557	39.715
276.88	24.558	39.742
277.08	24.559	39.768
277.28	24.561	39.795
277.48	24.562	39.822
277.68	24.563	39.849
277.88	24.565	39.875
278.		39.892
278.02		39.894
278.04	24.566	39.897
278.1		39.905
278.28	24.567	39.929
278.48	24.568	39.956
278.68	24.57	39.982
278.88	24.571	40.009
279.08	24.572	40.036
279.28	24.574	40.062
279.48	24.575	40.089
279.68	24.576	40.116
279.88	24.577	40.142
280.	24.578	40.158
280.02		40.161
280.04	24.579	40.164
280.1		40.172
280.28	24.58	40.196
280.48	24.581	40.222
280.68	24.583	40.249
280.88	24.584	40.276
281.08	24.585	40.302
281.28	24.587	40.329
281.48	24.588	40.355
281.68	24.589	40.382
281.88	24.59	40.408
282.	24.591	40.424
282.02		40.427
282.04		40.43
282.1	24.592	40.438
282.28	24.593	40.462
282.48	24.594	40.488
282.68	24.596	40.515
282.88	24.597	40.541
283.08	24.598	40.568

283.28	24.6	40.594
283.48	24.601	40.621
283.68	24.602	40.647
283.88	24.603	40.674
284.	24.604	40.689
284.02		40.692
284.04		40.695
284.1	24.605	40.703
284.28	24.606	40.727
284.48	24.607	40.753
284.68	24.609	40.779
284.88	24.61	40.806
285.08	24.611	40.832
285.28	24.612	40.859
285.48	24.614	40.885
285.68	24.615	40.912
285.88	24.616	40.938
286.	24.617	40.954
286.02		40.957
286.04		40.959
286.1	24.618	40.967
286.28	24.619	40.991
286.48	24.62	41.017
286.68	24.622	41.044
286.88	24.623	41.07
287.08	24.624	41.097
287.28	24.625	41.123
287.48	24.627	41.149
287.68	24.628	41.176
287.88	24.629	41.202
288.	24.63	41.218
288.02		41.221
288.04		41.223
288.1	24.631	41.231
288.28	24.632	41.255
288.48	24.633	41.281
288.68	24.635	41.308
288.88	24.636	41.334
289.08	24.637	41.36
289.28	24.639	41.387
289.48	24.64	41.413
289.68	24.641	41.439
289.88	24.642	41.466
290.	24.643	41.481
290.02		41.484
290.04		41.487
290.1	24.644	41.495
290.28	24.645	41.518
290.48	24.646	41.545
290.68	24.648	41.571
290.88	24.649	41.597
291.08	24.65	41.624
291.28	24.652	41.65
291.48	24.653	41.676
291.68	24.654	41.702
291.88	24.655	41.729
292.	24.656	41.744
292.02		41.747
292.04		41.75
292.1	24.657	41.758
292.28	24.658	41.781
292.48	24.659	41.807
292.68	24.661	41.834
292.88	24.662	41.86
293.08	24.663	41.886
293.28	24.665	41.912

293.48	24.666	41.938
293.68	24.667	41.965
293.88	24.669	41.991
294.		42.007
294.02		42.009
294.04	24.67	42.012
294.1		42.02
294.28	24.671	42.043
294.48	24.672	42.069
294.68	24.674	42.096
294.88	24.675	42.122
295.08	24.676	42.148
295.28	24.678	42.174
295.48	24.679	42.2
295.67	24.68	42.225
295.87	24.682	42.251
296.		42.268
296.02		42.271
296.04	24.683	42.273
296.1		42.281
296.28	24.684	42.305
296.48	24.685	42.331
296.68	24.687	42.357
296.88	24.688	42.383
297.08	24.689	42.409
297.28	24.691	42.436
297.48	24.692	42.462
297.68	24.693	42.488
297.88	24.695	42.514
298.		42.53
298.02	24.696	42.532
298.04		42.535
298.1		42.543
298.28	24.697	42.567
298.48	24.699	42.593
298.68	24.7	42.619
298.88	24.701	42.645
299.08	24.703	42.671
299.28	24.704	42.697
299.48	24.705	42.724
299.68	24.707	42.75
299.88	24.708	42.776
300.	24.709	42.792
300.02		42.795
300.04		42.797
300.1		42.805
300.28	24.71	42.829
300.48	24.712	42.855
300.68	24.713	42.881
300.88	24.714	42.907
301.08	24.716	42.934
301.28	24.717	42.96
301.48	24.718	42.986
301.68	24.72	43.012
301.88	24.721	43.039
302.	24.722	43.054
302.98	24.728	43.183
303.96	24.735	43.312
306.61	24.752	43.66
314.01	24.802	44.635
316.48	24.819	44.961
318.95	24.835	45.287
320.21	24.844	45.452
321.42	24.852	45.611
322.63	24.86	45.77
326.26	24.885	46.243

336.06	24.952	47.496
345.86	25.018	48.711
355.66	25.083	49.888
365.46	25.148	51.03
375.26	25.213	52.137
385.06	25.278	53.212
394.86	25.342	54.256
400.	25.376	54.792
401.	25.383	54.895
402.	25.389	54.998
405.	25.409	55.305
414.	25.468	56.209
424.	25.533	57.187
434.	25.599	58.135
444.	25.664	59.056
454.	25.73	59.947
464.	25.796	60.811
474.	25.862	61.648
484.	25.928	62.462
494.	25.995	63.251
500.	26.035	63.713
501.	26.042	63.789
502.	26.049	63.865
505.	26.069	64.091
514.	26.13	64.757
524.	26.198	65.476
534.	26.266	66.172
544.	26.335	66.848
554.	26.405	67.503
564.	26.475	68.137
574.	26.546	68.754
584.	26.618	69.351
594.	26.69	69.932
600.	26.734	70.271
606.	26.778	70.605
612.	26.822	70.933
630.	26.956	71.88
684.	27.377	74.232
738.	27.809	76.222
798.	28.3	78.044
858.	28.794	79.532
918.	29.286	80.732
978.	29.769	81.682
1038.	30.241	82.418
1098.	30.696	82.97
1158.	31.132	83.361
1200.	31.427	83.564
1212.	31.51	83.621
1224.	31.592	83.672
1260.	31.832	83.805
1368.	32.47	83.776
1476.	33.024	83.503
1596.	33.54	82.966
1716.	33.96	82.246
1836.	34.292	81.385
1956.	34.542	80.415
2076.	34.72	79.359
2196.	34.834	78.238
2316.	34.892	77.066
2400.	34.907	76.22
2412.	34.909	76.1
2424.	34.91	75.98
2460.	34.909	75.63
2568.	34.875	74.509
2676.	34.813	73.374
2796.	34.715	72.104

	34.592	70.829
3036.	34.45	69.555
3156.	34.292	68.285
3276.	34.121	67.023
3396.	33.94	65.772
3516.	33.752	64.535
3600.	33.616	63.672
3612.	33.597	63.549
3624.	33.578	63.427
3660.	33.519	63.072
3768.	33.341	61.988
3876.	33.161	60.919
3996.	32.96	59.755
4116.	32.76	58.612
4236.	32.561	57.492
4356.	32.364	56.394
4476.	32.169	55.32
4596.	31.977	54.269
4716.	31.789	53.243
4800.	31.658	52.533
4812.	31.639	52.432
4824.	31.621	52.331
4860.	31.566	52.039
4968.	31.403	51.159
5076.	31.243	50.299
5196.	31.069	49.368
5316.	30.9	48.461
5436.	30.735	47.578
5556.	30.574	46.718
5676.	30.417	45.881
5796.	30.263	45.067
5916.	30.114	44.274
6000.	30.012	43.728
6012.	29.997	43.651
6024.	29.983	43.573
6060.	29.94	43.348
6168.	29.813	42.675
6276.	29.689	42.019
6396.	29.555	41.312
6516.	29.425	40.625
6636.	29.299	39.958
6756.	29.176	39.311
6876.	29.056	38.682
6996.	28.939	38.071
7116.	28.826	37.479
7200.	28.748	37.071

FIGURE 23
Model (J4) > Transient Thermal (J5) > Solution (J6) > Permacon T

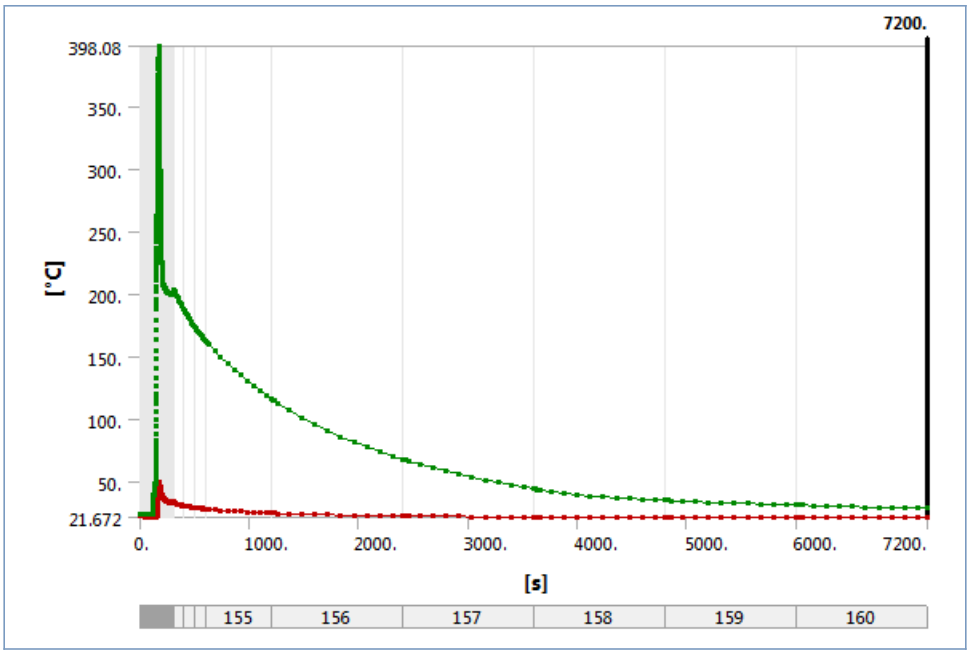


TABLE 31
Model (J4) > Transient Thermal (J5) > Solution (J6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.995	23.985
4.e-002	22.747	24.027
0.1	22.575	24.039
0.28	22.478	24.032
0.48	22.446	
0.68	22.432	24.037
0.88	22.423	24.039
1.08	22.417	24.04
1.28	22.413	
1.48	22.41	
1.68	22.408	24.039
1.88	22.406	24.038
2.	22.405	
2.02		
2.04		24.037
2.1		
2.28	22.404	24.036
2.48	22.403	24.035
2.68	22.402	24.033
2.88	22.401	24.032
3.08		24.03
3.28	22.4	24.029
3.48		24.027
3.68		24.025
3.88	22.399	24.024
4.		24.023
4.02		
4.04		24.022
4.1		
4.28		24.02
4.48		24.019
4.68	22.398	24.017
4.88		24.016
5.08		24.014
5.28	22.397	24.012
5.48		24.011
5.68		24.009
5.88		24.008

6.	22.396	24.007
6.02		24.006
6.04		
6.1		
6.28		24.004
6.48		24.003
6.68	22.395	24.002
6.88		
7.08		
7.28	22.394	24.001
7.48		
7.68	22.393	24.
7.88		
8.		
8.02		
8.04		
8.1		
8.28	22.392	23.999
8.48		
8.68	22.391	23.998
8.88		
9.08	22.39	23.997
9.28		
9.48		
9.68	22.389	23.996
9.88		
10.	22.388	23.995
10.02		
10.04		
10.1		
10.28		
10.48	22.387	23.994
10.68		23.993
10.88	22.386	
11.08		23.992
11.28	22.385	
11.48	22.384	23.991
11.68		23.99
11.88	22.383	23.989
12.		
12.02		
12.04		
12.1		
12.28	22.382	23.988
12.48		
12.68	22.381	23.987
12.88		23.986
13.08	22.38	
13.28	22.379	23.985
13.48		23.984
13.68	22.378	
13.88		23.983
14.	22.377	23.982
14.02		
14.04		
14.1		
14.28		23.981
14.48	22.376	
14.68		23.98
14.88	22.375	23.979
15.08	22.374	23.978
15.28		
15.48	22.373	23.977
15.68		23.976
15.88		
16.		

16.02	22.372	23.975
16.04		
16.1		
16.28	22.371	23.974
16.48		23.973
16.68	22.37	23.972
16.88		
17.08	22.369	23.971
17.28		23.97
17.48	22.368	23.969
17.68		23.968
17.88	22.367	
18.		23.967
18.02		
18.04		
18.1	22.366	
18.28		23.966
18.48	22.365	23.965
18.68		23.964
18.88		
19.08	22.364	23.963
19.28		23.962
19.48	22.363	23.961
19.68		23.96
19.88	22.362	
20.		23.959
20.02		
20.04		
20.1		
20.28	22.361	23.958
20.48		23.957
20.68	22.36	23.956
20.88		
21.08	22.359	23.955
21.28		23.954
21.48	22.358	
21.68		23.953
21.88		
22.	22.357	23.952
22.02		
22.04		
22.1		23.951
22.28		
22.48	22.356	23.95
22.68		23.949
22.88	22.355	
23.08		23.948
23.28	22.354	23.947
23.48		
23.68		23.946
23.88	22.353	23.945
24.		
24.02		
24.04		23.944
24.1		
24.28	22.352	
24.48		23.943
24.68		23.942
24.88	22.351	23.941
25.08		
25.28	22.35	23.94
25.48		23.939
25.68		23.938
25.88	22.349	
26.		
26.02		

26.04		23.937
26.1		
26.28	22.348	23.936
26.48		23.935
26.68		
26.88	22.347	23.934
27.08		23.933
27.28		23.932
27.48	22.346	23.931
27.68		
27.88		23.93
28.	22.345	23.929
28.02		
28.04		
28.1		
28.28		23.928
28.48		
28.68	22.344	23.927
28.88		23.926
29.08		23.925
29.28	22.343	23.924
29.48		
29.68		23.923
29.88	22.342	23.922
30.		
30.02		23.921
30.04		
30.1		
30.16		
30.34	22.341	23.92
30.54		23.919
30.74		23.918
30.94		
31.14	22.34	23.917
31.34		23.916
31.54		23.915
31.74	22.339	23.914
31.87		
32.		23.913
32.02		
32.04		
32.1		
32.28	22.338	23.912
32.48		23.911
32.68		23.91
32.88	22.337	
33.08		23.909
33.28		23.908
33.48		23.907
33.68	22.336	23.906
33.88		23.905
34.		
34.02		
34.04		
34.1		
34.28	22.335	23.904
34.48		23.903
34.68		23.902
34.88		23.901
35.08	22.334	23.9
35.28		
35.48		23.899
35.68	22.333	23.898
35.88		23.897
36.		
36.02		

36.04		23.896
36.1		
36.28		23.895
36.48	22.332	23.894
36.68		
36.88		23.893
37.08	22.331	23.892
37.28		23.891
37.48		23.89
37.68		23.889
37.88	22.33	23.888
38.		
38.02		
38.04		
38.1		23.887
38.28		
38.48	22.329	23.886
38.68		23.885
38.88		23.884
39.08		23.883
39.28	22.328	23.882
39.48		23.881
39.68		23.88
39.88	22.327	
40.		23.879
40.02		
40.04		
40.1		
40.28		23.878
40.48		23.877
40.68	22.326	23.876
40.88		23.875
41.08		23.874
41.28	22.325	23.873
41.48		23.872
41.68		
41.88		23.871
42.	22.324	23.87
42.02		
42.04		
42.1		
42.28		23.869
42.48		23.868
42.68	22.323	23.867
42.88		23.866
43.08		23.865
43.28	22.322	23.864
43.48		23.863
43.68		23.862
43.88	22.321	23.861
44.		
44.02		
44.04		
44.1		23.86
44.28		
44.48		23.859
44.68	22.32	23.858
44.88		23.857
45.08		23.856
45.28	22.319	23.855
45.48		23.854
45.68		23.853
45.88	22.318	23.852
46.		23.851
46.02		
46.04		

46.1		
46.28		23.85
46.48	22.317	23.849
46.68		23.848
46.88		23.847
47.08	22.316	23.846
47.28		23.845
47.48		23.844
47.68	22.315	23.843
47.88		23.842
48.		
48.02		
48.04		
48.1		23.841
48.28	22.314	23.84
48.48		23.839
48.68		23.838
48.88	22.313	23.837
49.08		23.836
49.28		23.835
49.48	22.312	23.834
49.68		23.833
49.88	22.311	23.832
50.		
50.02		
50.04		
50.1		23.831
50.28		23.83
50.48		23.829
50.68	22.31	23.828
50.88		23.827
51.08	22.309	23.826
51.28		23.825
51.48		23.824
51.68	22.308	23.823
51.88		23.822
52.		
52.02		
52.04		
52.1		23.821
52.28	22.307	23.82
52.48		
52.68		23.819
52.88		23.818
53.08	22.306	23.817
53.28		23.816
53.48		23.815
53.68	22.305	23.814
53.88		23.812
54.		
54.02		
54.04		
54.1		23.811
54.28	22.304	23.81
54.48		23.809
54.68		23.808
54.88	22.303	23.807
55.08		23.806
55.28		23.805
55.48	22.302	23.804
55.68		23.803
55.88	22.301	23.802
56.		23.801
56.02		
56.04		
56.1		

56.28		23.8
56.48		23.799
56.68	22.3	23.798
56.88		23.797
57.08		23.796
57.28		23.795
57.48	22.299	23.794
57.68		23.793
57.88		23.792
58.		
58.02		
58.04		
58.1		23.791
58.28		
58.48	22.298	23.79
58.68		23.789
58.88		23.788
59.08		23.787
59.28		23.786
59.48		23.785
59.68	22.297	23.784
59.88		23.783
60.		
60.02		
60.04		
60.1		23.782
60.28		
60.48		23.781
60.68		23.78
60.88		23.779
61.08	22.296	23.778
61.28		23.777
61.48		23.776
61.68		23.775
61.88		23.774
62.		
62.02		
62.04		
62.1		23.773
62.28		
62.48	22.295	23.772
62.68		23.771
62.88		23.77
63.08		23.769
63.28		23.768
63.48		23.767
63.68		23.766
63.88	22.294	23.765
64.		
64.02		
64.04		
64.1		23.764
64.28		23.763
64.48		
64.68		23.762
64.88		23.761
65.08	22.293	23.76
65.28		23.759
65.48		23.758
65.68		23.757
65.88		23.756
66.		
66.02		
66.04		
66.1		23.755
66.28		

66.48	22.292	23.754
66.68		23.753
66.88		23.752
67.08		23.751
67.28		23.75
67.48		23.749
67.68		23.748
67.88		
68.	22.291	23.747
68.02		
68.04		
68.1		
68.28		23.746
68.48		23.745
68.68		23.744
68.88		23.743
69.08		
69.28		23.742
69.48		23.741
69.68		23.74
69.88		
70.		23.739
70.02		
70.04		
70.1		
70.28		23.738
70.48		23.737
70.68		
70.88		23.736
71.08		23.735
71.28		23.734
71.48		
71.68		23.733
71.88		23.732
72.		
72.02		
72.04		
72.1		
72.28		23.731
72.48		23.73
72.68		23.729
72.88		
73.08		23.728
73.28		23.727
73.48		
73.68		23.726
73.88		23.725
74.		
74.02		
74.04		
74.1		
74.28		23.724
74.48		23.723
74.68		
74.88		23.722
75.08		23.721
75.28		
75.48		23.72
75.68		23.719
75.88		
76.		23.718
76.02		
76.04		
76.1		
76.28		23.717
76.48		

76.68		23.716
76.88		23.715
77.08		
77.28		23.714
77.48		23.713
77.68		
77.88		23.712
78.		23.711
78.02		
78.04		
78.1		
78.28	22.29	
78.48		23.71
78.68		23.709
78.88		23.708
79.08		
79.28		23.707
79.48		23.706
79.68		
79.88		23.705
80.		
80.02		
80.04		
80.1		23.704
80.28		
80.48		23.703
80.68		
80.88		23.702
81.08		23.701
81.28		
81.48		23.7
81.68		
81.88		23.699
82.		
82.02		
82.04	22.289	
82.1		
82.28		23.698
82.48		
82.68		23.697
82.88		
83.08		23.696
83.28		
83.48		23.695
83.68		
83.88		23.694
84.		
84.02		
84.04		
84.1		
84.28		23.693
84.48		
84.68		23.692
84.88		
85.08		
85.28		23.691
85.48		
85.68		23.69
85.88	22.29	
86.		
86.02		
86.04		
86.1		
86.28		23.689
86.48		
86.68		

86.88	22.291	23.688
87.08		
87.28		
87.48		
87.68	22.292	23.687
87.88		
88.		
88.02		
88.04		
88.1		
88.28		
88.48	22.293	
88.68		
88.88		23.686
89.08	22.294	
89.28		
89.48		
89.68		
89.88	22.295	
90.		
90.02		
90.04		
90.1		
90.28		
90.48	22.296	
90.68		
90.88		
91.08	22.297	23.685
91.28		
91.48		
91.68		
91.88	22.298	
92.		
92.02		
92.04		
92.1		
92.28		
92.48		
92.68	22.299	
92.88		
93.08		
93.28		
93.48		
93.68	22.3	
93.88		
94.		
94.02		
94.04		
94.1		
94.28		
94.48		
94.68		
94.88		
95.08		23.684
95.28		
95.48		
95.68		
95.88		
96.		
96.02		
96.04		
96.1		
96.28		23.683
96.48		
96.68		
96.88		

97.08		
97.28		23.684
97.48		23.69
97.68		23.697
97.88		23.704
98.		23.709
98.02		
98.04		23.71
98.1		23.712
98.28		23.719
98.48		23.725
98.68		23.732
98.88		23.739
99.08	22.301	23.745
99.28		23.751
99.48		23.758
99.68		23.764
99.88	22.302	23.77
100.		23.774
100.02		
100.04		23.775
100.1		23.777
100.28		23.781
100.48	22.303	23.786
100.68		23.79
100.88		23.793
101.08	22.304	23.797
101.28		23.8
101.48		23.804
101.68	22.305	23.807
101.88		23.809
102.		23.811
102.02		
102.04		
102.1		23.812
102.28		23.813
102.48	22.306	23.814
102.68		23.815
102.88		
103.08		
103.28	22.307	23.814
103.48		
103.68		23.813
103.88		23.811
104.		
104.02		
104.04		23.81
104.1		
104.28		23.809
104.48		23.807
104.68		23.805
104.88		23.803
105.08		23.801
105.28		23.799
105.48		23.797
105.68		23.795
105.88		23.792
106.		23.791
106.02		23.79
106.04		
106.1		
106.28		23.788
106.48		23.786
106.68		23.784
106.88		23.783
107.08		23.781

107.28	22.306	23.779
107.48		23.778
107.68		23.776
107.88		23.775
108.		23.774
108.02		
108.04		23.773
108.1		
108.28		23.772
108.48	22.305	23.771
108.68		
108.88		
109.08		23.77
109.28		
109.48		
109.68	22.304	
109.88		
110.		
110.02		
110.04		
110.1		23.771
110.28		
110.48		23.772
110.68		23.773
110.88		23.775
111.08		23.776
111.28	22.303	23.778
111.48		23.78
111.68		23.782
111.88		23.784
112.		23.785
112.02		
112.04		
112.1		23.786
112.28		23.785
112.48		23.784
112.68		23.782
112.88		23.779
113.08		23.776
113.28		23.772
113.48		23.768
113.68		23.764
113.88		23.759
114.		23.756
114.02		
114.04		23.755
114.1		23.754
114.28	22.302	23.751
114.48		23.75
114.68		23.748
114.88		23.746
115.08		23.744
115.28	22.301	23.742
115.48		23.74
115.68		23.738
115.88		23.737
116.	22.3	23.735
116.02		
116.04		
116.1		
116.28		23.733
116.48		23.732
116.68		23.731
116.88	22.299	23.73
117.08		23.729
117.28		23.727

117.48		23.726
117.68	22.298	23.725
117.88		23.724
118.		23.723
118.02		
118.04		23.724
118.06		23.725
118.11		23.748
118.2		23.853
118.3		24.009
118.45	22.299	24.309
118.65	22.301	24.788
118.85	22.305	25.349
119.05	22.311	26.011
119.25	22.32	26.739
119.45	22.331	27.527
119.65	22.346	28.371
119.85	22.364	29.267
120.	22.378	29.943
120.02	22.38	30.033
120.04	22.382	30.121
120.1	22.389	30.367
120.28	22.411	31.004
120.48	22.438	31.632
120.68	22.467	32.204
120.88	22.498	32.733
121.08	22.53	33.228
121.28	22.563	33.693
121.48	22.597	34.135
121.68	22.632	34.556
121.88	22.665	34.959
122.	22.685	35.195
122.02	22.688	35.234
122.04	22.691	35.273
122.1	22.701	35.389
122.28	22.733	35.732
122.48	22.77	36.103
122.68	22.804	36.466
122.88	22.838	36.821
123.08	22.871	37.17
123.28	22.904	37.512
123.48	22.936	37.849
123.68	22.968	38.181
123.88	23.	38.509
124.	23.009	38.704
124.02	23.008	38.736
124.04	23.007	38.769
124.1	23.004	38.866
124.28	22.994	39.156
124.48	22.984	39.474
124.68	22.975	39.79
124.88	22.967	40.104
125.08	22.959	40.414
125.28	22.952	40.722
125.48	22.945	41.028
125.68	22.939	41.331
125.88	22.933	41.632
126.	22.931	41.812
126.02	22.93	41.842
126.04		41.871
126.1	22.928	41.958
126.28	22.924	42.204
126.48	22.921	42.466
126.68	22.918	42.717
126.88	22.916	42.96
127.08		43.195

127.28	22.915	43.423
127.48		43.644
127.68	22.916	43.858
127.88	22.917	44.066
128.	22.919	44.189
128.02		44.209
128.04		44.229
128.1	22.92	44.289
128.28	22.923	44.459
128.48	22.927	44.641
128.68	22.932	44.815
128.88	22.937	44.983
129.08	22.943	45.145
129.28	22.951	45.302
129.48	22.958	45.453
129.68	22.967	45.6
129.88	22.976	45.742
130.	22.982	45.825
130.02	22.983	45.84
130.04	22.984	45.854
130.1	22.987	45.898
130.28	22.997	46.04
130.48	23.008	46.203
130.68	23.02	46.372
130.88	23.033	46.545
131.08	23.046	46.723
131.28	23.06	46.904
131.48	23.074	47.09
131.68	23.089	47.279
131.88	23.104	47.472
132.	23.113	47.589
132.02	23.115	47.606
132.04	23.116	47.619
132.1	23.121	47.636
132.28	23.136	47.551
132.48	23.153	47.334
132.68	23.171	47.019
132.88	23.191	46.622
133.08	23.212	46.152
133.28	23.234	45.617
133.48	23.258	45.022
133.68	23.284	44.373
133.88	23.312	43.672
134.	23.329	43.233
134.02	23.332	43.163
134.04	23.335	43.096
134.1	23.344	42.916
134.28	23.372	42.486
134.48	23.405	42.097
134.68	23.439	41.773
134.88	23.474	41.496
135.08	23.51	41.257
135.28	23.547	41.05
135.48	23.584	40.867
135.68	23.621	40.705
135.88	23.658	40.562
136.	23.681	40.481
136.02	23.684	40.47
136.04	23.688	40.462
136.1	23.699	40.454
136.28	23.733	40.542
136.48	23.769	40.743
136.68	23.792	41.027
136.88	23.779	41.384
137.08	23.769	41.806
137.28	23.761	42.285

137.48	23.757	42.818
137.68	23.754	43.401
137.88	23.755	44.03
138.	23.757	44.424
138.02		44.49
138.04	23.758	44.557
138.1	23.759	44.764
138.28	23.766	45.429
138.48	23.776	46.216
138.68	23.791	47.048
138.88	23.808	47.922
139.08	23.829	48.834
139.28	23.853	49.783
139.48	23.881	50.768
139.68	23.912	51.786
139.88	23.946	52.836
140.	23.968	53.477
140.02	23.972	53.581
140.04	23.975	53.683
140.1	23.987	53.971
140.28	24.023	54.737
140.48	24.066	55.507
140.68	24.11	56.218
140.88	24.156	56.882
141.08	24.203	57.507
141.28	24.251	58.101
141.48	24.257	58.667
141.68	24.264	59.209
141.88	24.27	59.729
142.	24.274	60.034
142.02	24.275	60.086
142.04	24.276	60.14
142.1	24.278	60.31
142.28	24.285	60.875
142.48	24.292	61.557
142.68	24.301	62.288
142.88	24.309	63.063
143.08	24.317	63.882
143.28	24.326	64.744
143.48	24.335	65.651
143.68	24.343	66.601
143.88	24.352	67.596
144.	24.356	68.21
144.02	24.357	68.332
144.04	24.358	68.472
144.1	24.361	69.028
144.28	24.366	71.509
144.48	24.37	75.009
144.68	24.369	79.105
144.88	24.363	83.71
145.08	24.352	88.76
145.28	24.333	94.212
145.48	24.306	100.03
145.68	24.27	106.19
145.88	24.226	112.66
146.	24.196	116.66
146.02	24.191	117.32
146.04	24.186	117.99
146.1	24.169	120.
146.28	24.113	126.17
146.48	24.042	133.2
146.68	23.961	140.42
146.88	23.872	147.83
147.08	23.775	155.41
147.28	23.67	163.18
147.48	23.558	171.12

147.68	23.438	179.23
147.88	23.312	187.51
148.	23.234	192.53
148.02	23.221	193.34
148.04	23.208	194.12
148.1	23.168	196.28
148.28	23.046	201.67
148.46	22.922	206.27
148.66	22.785	210.65
148.86	22.651	214.43
149.06	22.521	217.7
149.26	22.397	220.53
149.46	22.282	222.97
149.66	22.176	225.06
149.86	22.08	226.84
150.	22.019	227.93
150.02	22.01	228.08
150.04	22.001	228.22
150.1	21.977	228.56
150.28	21.914	229.13
150.48	21.857	229.29
150.68	21.814	229.04
150.88	21.786	228.43
151.08	21.773	228.45
151.28	21.772	230.23
151.48	21.782	233.15
151.68	21.802	236.93
151.88	21.83	241.38
152.	21.849	244.27
152.02	21.852	244.73
152.04	21.856	245.18
152.1	21.866	246.42
152.28	21.902	249.6
152.46	21.942	252.43
152.66	21.991	255.28
152.86	22.045	257.9
153.06	22.105	260.09
153.26	22.172	261.39
153.46	22.247	262.05
153.66	22.33	262.2
153.86	22.424	261.91
154.	22.494	261.52
154.02	22.504	261.49
154.04	22.514	
154.1	22.546	261.65
154.28	22.648	263.1
154.48	22.771	265.52
154.68	22.901	268.55
154.88	23.037	272.06
155.08	23.178	275.48
155.28	23.323	278.18
155.48	23.473	280.43
155.68	23.628	282.39
155.88	23.787	284.12
156.	23.884	285.09
156.02	23.9	285.26
156.04	23.916	285.42
156.1	23.965	285.93
156.28	24.117	287.47
156.48	24.29	289.19
156.68	24.47	290.89
156.88	24.654	292.58
157.08	24.844	294.28
157.28	25.039	296.
157.48	25.24	297.74
157.68	25.445	299.48

157.88	25.655	301.21
158.	25.783	302.24
158.02	25.805	302.41
158.04	25.826	302.58
158.1	25.891	303.07
158.28	26.089	304.41
158.48	26.313	305.8
158.68	26.543	307.12
158.88	26.778	308.37
159.08	27.017	309.92
159.28	27.261	312.2
159.48	27.508	314.96
159.68	27.758	318.09
159.88	28.011	321.5
160.	28.163	323.65
160.02	28.188	323.99
160.04	28.213	324.3
160.1	28.29	325.09
160.28	28.521	326.63
160.46	28.754	327.56
160.66	29.016	328.05
160.86	29.283	328.08
161.06	29.556	328.21
161.26	29.833	329.46
161.46	30.114	331.42
161.66	30.4	333.89
161.86	30.69	336.74
162.	30.894	338.91
162.02	30.923	339.21
162.04	30.952	339.51
162.1	31.04	340.39
162.28	31.306	342.9
162.46	31.573	345.36
162.66	31.871	348.07
162.86	32.17	350.76
163.06	32.47	353.11
163.26	32.773	354.43
163.46	33.079	355.04
163.66	33.389	355.13
163.86	33.703	354.79
164.	33.926	354.36
164.02	33.958	354.32
164.04	33.99	354.29
164.1	34.086	354.32
164.28	34.379	355.
164.48	34.711	356.25
164.68	35.047	357.84
164.88	35.387	359.7
165.08	35.731	361.47
165.28	36.079	362.75
165.48	36.43	363.71
165.68	36.785	364.45
165.88	37.143	365.03
166.	37.359	365.31
166.02	37.395	365.38
166.04	37.431	365.48
166.1	37.539	365.92
166.28	37.867	368.19
166.48	38.231	371.52
166.68	38.597	375.47
166.88	38.962	379.94
167.08	39.325	383.87
167.28	39.688	386.07
167.48	40.051	387.14
167.68	40.415	387.4
167.88	40.781	387.02

	41.001	386.6
168.02	41.038	386.52
168.04	41.075	386.43
168.1	41.186	386.14
168.28	41.522	384.86
168.48	41.902	383.03
168.68	42.291	380.86
168.88	42.687	378.36
169.08	43.093	376.11
169.28	43.507	374.74
169.48	43.929	373.9
169.68	44.358	373.44
169.88	44.794	373.26
170.	45.058	373.24
170.02	45.102	373.27
170.04	45.146	373.33
170.1	45.278	373.75
170.28	45.677	376.44
170.48	46.121	380.73
170.68	46.562	386.05
170.88	46.999	392.25
171.08	47.431	397.1
171.28	47.859	398.08
171.48	48.285	396.53
171.68	48.711	393.12
171.88	49.14	388.25
172.	49.344	384.85
172.02	49.351	384.32
172.04	49.358	383.82
172.1	49.378	382.55
172.28	49.429	379.8
172.48	49.471	377.55
172.68	49.498	375.84
172.88	49.511	374.52
173.08	49.509	373.19
173.28	49.496	371.41
173.48	49.472	369.35
173.68	49.438	367.07
173.88	49.395	364.63
174.	49.366	363.11
174.02	49.361	362.86
174.04	49.356	362.63
174.1	49.34	361.98
174.28	49.287	360.36
174.48	49.223	358.82
174.68	49.153	357.47
174.88	49.078	356.27
175.08	49.001	355.3
175.28	48.923	354.68
175.48	48.844	354.31
175.68	48.767	354.14
175.88	48.691	354.16
176.	48.647	354.23
176.02	48.64	354.22
176.04	48.633	354.19
176.1	48.611	354.
176.28	48.547	352.74
176.48	48.476	350.74
176.68	48.405	348.29
176.88	48.332	345.48
177.08	48.257	342.84
177.28	48.178	341.01
177.48	48.096	339.69
177.68	48.012	338.74
177.88	47.926	338.08
178.	47.874	337.78

	47.865	337.73
178.04	47.856	337.68
178.1	47.83	337.53
178.28	47.752	337.11
178.48	47.667	336.7
178.68	47.585	336.36
178.88	47.506	336.07
179.08	47.429	335.37
179.28	47.354	333.7
179.48	47.279	331.37
179.68	47.202	328.55
179.88	47.122	325.31
180.	47.073	323.23
180.02	47.065	322.92
180.04	47.057	322.63
180.1	47.031	321.96
180.28	46.954	321.05
180.48	46.866	320.98
180.68	46.778	321.61
180.88	46.692	322.81
181.08	46.61	323.57
181.28	46.53	322.74
181.48	46.452	320.9
181.68	46.376	318.32
181.88	46.3	315.16
182.	46.253	313.08
182.02	46.245	312.75
182.04	46.238	312.42
182.1	46.214	311.47
182.28	46.141	308.85
182.48	46.054	306.05
182.68	45.961	303.3
182.88	45.861	300.69
183.08	45.755	298.56
183.28	45.644	297.02
183.48	45.53	295.85
183.68	45.413	294.97
183.88	45.295	294.3
184.	45.225	293.96
184.02	45.213	293.9
184.04	45.201	293.83
184.1	45.166	293.55
184.28	45.061	292.44
184.48	44.945	290.98
184.68	44.831	289.37
184.88	44.718	287.64
185.08	44.605	285.94
185.28	44.494	284.42
185.48	44.382	283.
185.68	44.272	281.64
185.88	44.161	280.34
186.	44.095	279.57
186.02	44.084	279.44
186.04	44.073	279.31
186.1	44.04	278.95
186.28	43.942	277.9
186.48	43.833	276.79
186.68	43.726	275.73
186.88	43.621	274.7
187.08	43.517	273.7
187.28	43.414	272.71
187.48	43.314	271.73
187.68	43.215	270.76
187.88	43.119	269.81
188.	43.062	269.25
188.02	43.052	269.15

	43.042	269.05
188.1	43.014	268.71
188.28	42.93	267.54
188.48	42.838	266.11
188.68	42.747	264.57
188.88	42.655	262.95
189.08	42.564	261.36
189.28	42.472	259.93
189.48	42.38	258.59
189.68	42.287	257.32
189.88	42.194	256.08
190.	42.138	255.36
190.02	42.128	255.24
190.04	42.119	255.12
190.1	42.091	254.77
190.28	42.007	253.78
190.48	41.914	252.72
190.68	41.822	251.7
190.88	41.73	250.72
191.08	41.64	249.76
191.28	41.551	248.82
191.48	41.463	247.89
191.68	41.377	246.99
191.88	41.293	246.1
192.	41.243	245.58
192.02	41.234	245.49
192.04	41.226	245.4
192.1	41.201	245.15
192.28	41.128	244.4
192.48	41.049	243.58
192.68	40.972	242.79
192.88	40.896	242.02
193.08	40.822	241.25
193.28	40.75	240.48
193.48	40.679	239.7
193.68	40.61	238.92
193.88	40.542	238.15
194.	40.502	237.69
194.02	40.496	237.61
194.04	40.489	237.53
194.1	40.469	237.3
194.28	40.411	236.61
194.48	40.348	235.84
194.68	40.286	235.08
194.88	40.225	234.33
195.08	40.165	233.61
195.28	40.106	232.93
195.48	40.048	232.28
195.68	39.992	231.66
195.88	39.936	231.06
196.	39.903	230.71
196.02	39.898	230.65
196.04	39.893	230.59
196.1	39.876	230.42
196.28	39.829	229.92
196.48	39.777	229.38
196.68	39.727	228.86
196.88	39.678	228.36
197.08	39.63	227.74
197.28	39.583	226.86
197.48	39.536	225.81
197.68	39.489	224.63
197.88	39.442	223.35
198.	39.413	222.55
198.02	39.408	222.43
198.04	39.404	222.31

	39.389	222.01
198.28	39.345	221.42
198.48	39.296	221.
198.68	39.247	220.76
198.88	39.199	220.67
199.08	39.151	220.56
199.28	39.105	220.29
199.48	39.061	219.92
199.68	39.019	219.5
199.88	38.978	219.05
200.	38.954	218.77
200.02	38.951	218.72
200.04	38.947	218.68
200.1	38.935	218.54
200.28	38.902	218.13
200.48	38.866	217.69
200.68	38.831	217.25
200.88	38.798	216.81
201.08	38.765	216.38
201.28	38.733	215.97
201.48	38.702	215.58
201.68	38.672	215.19
201.88	38.643	214.81
202.	38.625	214.59
202.02	38.622	214.55
202.04	38.62	214.51
202.1	38.611	214.41
202.28	38.586	214.12
202.48	38.559	213.81
202.68	38.532	213.53
202.88	38.506	213.26
203.08	38.482	212.98
203.28	38.458	212.65
203.48	38.434	212.31
203.68	38.411	211.95
203.88	38.389	211.57
204.	38.376	211.35
204.02	38.374	211.31
204.04	38.371	211.27
204.1	38.365	211.16
204.28	38.346	210.83
204.48	38.324	210.47
204.68	38.303	210.1
204.88	38.282	209.74
205.08	38.262	209.27
205.28	38.24	208.56
205.48	38.218	208.34
205.68	38.195	208.21
205.88	38.17	208.06
206.	38.154	207.96
206.02	38.151	207.95
206.04	38.149	207.93
206.1	38.141	207.9
206.28	38.115	207.83
206.48	38.084	207.77
206.68	38.052	207.72
206.88	38.017	207.68
207.08	37.982	207.65
207.28	37.945	207.63
207.48	37.908	207.61
207.68	37.871	207.6
207.88	37.834	207.59
208.	37.812	
208.02	37.808	207.58
208.04	37.804	
208.1	37.793	

208.28	37.76	207.55
208.48	37.724	207.52
208.68	37.688	207.48
208.88	37.653	207.44
209.08	37.618	207.4
209.28	37.583	207.37
209.48	37.549	207.33
209.68	37.514	207.3
209.88	37.481	207.27
210.	37.46	207.25
210.02	37.457	
210.04	37.454	207.24
210.1	37.444	
210.28	37.414	207.21
210.48	37.381	207.19
210.68	37.349	207.17
210.88	37.317	207.15
211.08	37.285	207.13
211.28	37.254	207.11
211.48	37.224	207.1
211.68	37.194	
211.88	37.165	207.09
212.	37.148	
212.02	37.145	
212.04	37.143	207.08
212.1	37.134	
212.28	37.109	207.07
212.48	37.082	207.06
212.68	37.056	207.04
212.88	37.03	207.03
213.08	37.005	207.01
213.28	36.98	206.98
213.48	36.956	206.94
213.68	36.932	206.9
213.88	36.908	206.86
214.	36.893	206.83
214.02	36.891	
214.04	36.889	206.82
214.1	36.881	206.81
214.28	36.86	206.79
214.48	36.836	206.76
214.68	36.812	206.73
214.88	36.789	206.7
215.08	36.765	206.68
215.28	36.741	206.65
215.48	36.718	206.62
215.68	36.695	206.59
215.88	36.672	206.56
216.	36.658	206.54
216.02	36.655	
216.04	36.653	
216.1	36.646	206.53
216.28	36.626	206.51
216.48	36.603	206.49
216.68	36.581	206.46
216.88	36.559	206.44
217.08	36.537	206.42
217.28	36.515	206.39
217.48	36.494	206.36
217.68	36.472	206.33
217.88	36.451	206.29
218.	36.439	206.27
218.02	36.436	
218.04	36.434	206.26
218.1	36.428	206.25
218.28	36.409	206.23

218.48	36.389	206.2
218.68	36.368	206.18
218.88	36.348	206.16
219.08	36.327	206.14
219.28	36.307	206.11
219.48	36.287	206.08
219.68	36.268	206.05
219.88	36.248	206.02
220.	36.236	206.01
220.02	36.234	206.
220.04	36.232	
220.1	36.227	205.99
220.28	36.209	205.97
220.48	36.19	205.94
220.68	36.171	205.91
220.88	36.152	205.88
221.08	36.134	205.85
221.28	36.115	205.82
221.48	36.096	205.79
221.68	36.078	205.76
221.88	36.06	205.73
222.	36.049	205.72
222.02	36.047	205.71
222.04	36.045	
222.1	36.039	205.7
222.28	36.023	205.68
222.48	36.005	205.65
222.68	35.987	205.62
222.88	35.969	205.59
223.08	35.952	205.57
223.28	35.934	205.54
223.48	35.917	205.52
223.68	35.899	205.49
223.88	35.882	205.47
224.	35.872	205.46
224.02	35.871	
224.04	35.869	
224.1	35.864	205.45
224.28	35.849	205.43
224.48	35.833	205.41
224.68	35.817	205.39
224.88	35.801	205.37
225.08	35.785	205.33
225.28	35.77	205.29
225.48	35.753	205.24
225.68	35.736	205.19
225.88	35.718	205.14
226.	35.706	205.12
226.02	35.705	205.11
226.04	35.703	
226.1	35.697	205.09
226.28	35.678	205.04
226.48	35.656	204.99
226.68	35.633	204.93
226.88	35.609	204.88
227.08	35.584	204.82
227.28	35.558	204.77
227.48	35.533	204.72
227.68	35.507	204.66
227.88	35.481	204.61
228.	35.466	204.58
228.02	35.463	204.57
228.04	35.461	
228.1	35.453	204.55
228.28	35.43	204.51
228.48	35.405	204.45

228.68	35.381	204.4
228.88	35.356	204.35
229.08	35.332	204.3
229.28	35.308	204.25
229.48	35.285	204.2
229.68	35.262	204.15
229.88	35.239	204.1
230.	35.225	204.07
230.02	35.223	
230.04	35.221	204.06
230.1	35.214	204.05
230.28	35.194	204.
230.48	35.173	203.95
230.68	35.151	203.9
230.88	35.13	203.85
231.08	35.109	203.8
231.28	35.089	203.75
231.48	35.068	203.71
231.68	35.048	203.66
231.88	35.029	203.61
232.	35.017	203.58
232.02	35.015	
232.04	35.013	203.57
232.1	35.007	203.56
232.28	34.99	203.51
232.48	34.971	203.46
232.68	34.953	203.42
232.88	34.934	203.37
233.08	34.916	203.32
233.28	34.898	203.27
233.48	34.881	203.23
233.68	34.863	203.18
233.88	34.846	203.13
234.	34.836	203.1
234.02	34.834	
234.04	34.833	
234.1	34.828	203.08
234.28	34.812	203.04
234.48	34.796	202.99
234.68	34.78	202.95
234.88	34.763	202.9
235.08	34.748	202.85
235.28	34.732	202.81
235.48	34.717	202.77
235.68	34.703	202.73
235.88	34.69	202.69
236.	34.682	202.67
236.02	34.681	
236.04	34.679	202.66
236.1	34.676	202.65
236.28	34.665	202.63
236.48	34.655	202.6
236.68	34.646	202.58
236.88	34.637	202.56
237.08	34.63	202.53
237.28	34.623	202.51
237.48	34.617	202.49
237.68	34.611	202.47
237.88	34.606	202.45
238.	34.603	202.44
238.02	34.602	202.43
238.04		
238.1	34.6	202.42
238.28	34.596	202.41
238.48	34.591	202.38
238.68	34.587	202.36

238.88	34.582	202.34
239.08	34.578	202.33
239.28	34.573	202.31
239.48	34.569	202.29
239.68	34.565	202.27
239.88	34.561	202.26
240.	34.559	202.25
240.02		
240.04		
240.1	34.557	
240.28	34.554	202.24
240.48	34.551	202.23
240.68	34.548	202.22
240.88	34.546	202.21
241.08	34.543	202.2
241.28	34.54	202.18
241.48	34.538	202.17
241.68	34.535	202.15
241.88	34.532	202.13
242.	34.53	202.12
242.02		
242.04	34.529	
242.1	34.528	202.11
242.28	34.526	202.1
242.48	34.522	202.09
242.68	34.519	202.11
242.88	34.516	202.15
243.08	34.514	202.16
243.28	34.511	202.15
243.48	34.509	202.13
243.68	34.507	202.09
243.88	34.505	202.06
244.	34.504	202.05
244.02	34.503	202.04
244.04		
244.1	34.502	202.03
244.28	34.5	202.01
244.48	34.497	201.99
244.68	34.494	201.98
244.88	34.49	201.96
245.08	34.486	201.95
245.28	34.482	201.94
245.48	34.477	201.95
245.68	34.473	201.96
245.88	34.469	201.98
246.	34.467	201.99
246.02	34.466	
246.04		202.
246.1	34.465	
246.28	34.462	201.98
246.48	34.458	201.96
246.68	34.455	201.93
246.88	34.452	201.9
247.08	34.448	201.88
247.28	34.444	201.86
247.48	34.44	201.85
247.68	34.436	201.86
247.88	34.432	201.88
248.	34.43	201.89
248.02		
248.04	34.429	
248.1	34.428	
248.28	34.425	201.87
248.48	34.421	201.84
248.68	34.417	201.81
248.88	34.412	201.79

249.08	34.408	201.76
249.28	34.403	201.74
249.48	34.397	201.72
249.68	34.391	201.7
249.88	34.385	201.68
250.	34.381	201.67
250.02	34.38	
250.04	34.379	201.66
250.1	34.377	
250.28	34.371	201.64
250.48	34.363	201.62
250.68	34.355	201.6
250.88	34.347	201.58
251.08	34.338	201.56
251.28	34.33	201.54
251.48	34.321	201.52
251.68	34.313	201.5
251.88	34.304	201.48
252.	34.299	201.47
252.02		
252.04	34.298	
252.1	34.295	201.46
252.28	34.288	201.45
252.48	34.279	201.43
252.68	34.271	201.41
252.88	34.262	201.39
253.08	34.254	201.37
253.28	34.245	201.35
253.48	34.236	201.32
253.68	34.226	201.3
253.88	34.217	201.27
254.	34.211	201.26
254.02	34.21	
254.04	34.209	
254.1	34.207	201.25
254.28	34.198	201.23
254.48	34.188	201.21
254.68	34.179	201.18
254.88	34.17	201.16
255.08	34.16	201.14
255.28	34.151	201.12
255.48	34.142	201.1
255.68	34.134	201.08
255.88	34.125	201.06
256.	34.12	201.04
256.02	34.119	
256.04	34.118	
256.1	34.116	201.03
256.28	34.108	201.02
256.48	34.101	201.
256.68	34.093	200.98
256.88	34.087	200.97
257.08	34.08	200.98
257.28	34.075	
257.48	34.07	
257.68	34.065	
257.88	34.061	200.97
258.	34.059	200.96
258.02		
258.04	34.058	
258.1	34.057	200.95
258.28	34.054	200.94
258.48	34.05	200.93
258.68	34.047	200.92
258.88	34.044	200.91
259.08	34.04	200.9

259.28	34.037	200.89
259.48	34.033	
259.68	34.03	200.9
259.88	34.027	200.91
260.	34.025	200.92
260.02		
260.04	34.024	
260.1	34.023	
260.28	34.021	200.9
260.48	34.017	200.87
260.68	34.014	200.85
260.88	34.011	200.83
261.08	34.007	200.81
261.28	34.003	200.79
261.48	33.999	200.78
261.68	33.994	200.76
261.88	33.989	200.75
262.	33.986	200.74
262.02	33.985	
262.04		200.73
262.1	33.983	
262.28	33.978	200.72
262.48	33.972	200.7
262.68	33.967	200.69
262.88	33.961	200.68
263.08	33.955	200.66
263.28	33.949	200.65
263.48	33.943	200.63
263.68	33.937	200.62
263.88	33.931	200.6
264.	33.927	
264.02	33.926	200.59
264.04		
264.1	33.924	
264.28	33.918	200.57
264.48	33.912	200.56
264.68	33.906	200.55
264.88	33.9	200.53
265.08	33.894	200.52
265.28	33.888	200.51
265.48	33.882	200.49
265.68	33.876	200.48
265.88	33.87	200.46
266.	33.866	200.45
266.02	33.865	
266.04		
266.1	33.863	
266.28	33.857	200.43
266.48	33.85	200.41
266.68	33.843	200.39
266.88	33.837	200.38
267.08	33.83	200.36
267.28	33.824	200.35
267.48	33.818	200.34
267.68	33.812	200.33
267.88	33.806	200.32
268.	33.803	200.31
268.02	33.802	
268.04		
268.1	33.8	
268.28	33.795	200.3
268.48	33.791	200.29
268.68	33.786	
268.88	33.782	
269.08	33.778	200.3
269.28	33.774	200.31

269.48	33.77	200.32
269.68	33.767	200.33
269.88	33.765	200.35
270.	33.763	200.36
270.02		
270.04		
270.1	33.762	
270.28	33.76	200.38
270.48	33.759	200.39
270.68	33.758	200.4
270.88	33.757	200.42
271.08	33.756	200.43
271.28		200.44
271.48		
271.68		200.45
271.88		
272.		
272.02		
272.04		
272.1		
272.28		
272.48	33.757	
272.68		200.44
272.88		200.43
273.08		200.42
273.28	33.756	200.4
273.48	33.755	200.37
273.68	33.754	200.34
273.88	33.751	200.31
274.	33.75	200.3
274.02		
274.04		200.29
274.1	33.749	
274.28	33.746	200.27
274.48	33.742	200.25
274.68	33.737	200.24
274.88	33.732	200.22
275.08	33.726	200.21
275.28	33.72	200.19
275.48	33.713	200.18
275.68	33.706	200.16
275.88	33.699	200.14
276.	33.694	200.13
276.02	33.693	
276.04		
276.1	33.69	200.12
276.28	33.683	200.11
276.48	33.675	200.09
276.68	33.666	200.07
276.88	33.658	200.05
277.08	33.649	200.03
277.28	33.64	200.02
277.48	33.631	200.
277.68	33.622	199.98
277.88	33.613	199.96
278.	33.608	199.94
278.02	33.607	
278.04	33.606	
278.1	33.603	199.93
278.28	33.595	199.91
278.48	33.586	199.89
278.68	33.577	199.87
278.88	33.568	199.85
279.08	33.559	199.83
279.28	33.55	199.81
279.48	33.541	199.79

279.68	33.532	199.77
279.88	33.523	199.75
280.	33.518	199.74
280.02	33.517	
280.04	33.516	199.73
280.1	33.514	
280.28	33.506	199.71
280.48	33.498	199.69
280.68	33.489	199.67
280.88	33.481	199.65
281.08	33.474	199.63
281.28	33.466	199.61
281.48	33.459	199.6
281.68	33.452	199.58
281.88	33.445	199.57
282.	33.441	199.56
282.02	33.44	199.55
282.04		
282.1	33.438	
282.28	33.432	199.53
282.48	33.426	199.52
282.68	33.421	199.51
282.88	33.416	199.49
283.08	33.41	199.48
283.28	33.406	199.47
283.48	33.401	199.46
283.68	33.397	199.45
283.88	33.393	199.44
284.	33.391	199.43
284.02	33.39	
284.04		
284.1	33.389	
284.28	33.386	199.42
284.48	33.383	199.41
284.68	33.38	
284.88	33.377	199.42
285.08	33.375	199.43
285.28	33.373	199.44
285.48	33.371	
285.68	33.37	199.45
285.88	33.369	
286.	33.368	
286.02		
286.04		
286.1		199.46
286.28	33.367	199.47
286.48		199.49
286.68		199.51
286.88		199.53
287.08	33.368	199.54
287.28		199.55
287.48	33.369	199.54
287.68	33.37	199.53
287.88	33.371	199.51
288.	33.372	199.5
288.02		
288.04		
288.1		199.49
288.28	33.373	199.48
288.48		199.47
288.68	33.374	199.46
288.88	33.373	199.45
289.08		199.44
289.28	33.372	199.43
289.48	33.371	199.42
289.68	33.37	

289.88	33.368	199.41
290.	33.367	199.4
290.02		
290.04		
290.1	33.366	199.39
290.28	33.365	
290.48	33.362	199.38
290.68	33.36	199.36
290.88	33.357	199.35
291.08	33.354	199.34
291.28	33.351	199.33
291.48	33.347	199.32
291.68	33.343	199.31
291.88	33.338	199.3
292.	33.336	199.29
292.02	33.335	
292.04		199.28
292.1	33.333	
292.28	33.329	199.27
292.48	33.323	199.25
292.68	33.318	199.24
292.88	33.312	199.22
293.08	33.306	199.21
293.28	33.3	199.19
293.48	33.293	199.18
293.68	33.287	199.16
293.88	33.281	199.15
294.	33.278	199.14
294.02	33.277	
294.04	33.276	
294.1	33.275	199.13
294.28	33.269	199.12
294.48	33.264	199.11
294.68	33.258	199.1
294.88	33.253	199.09
295.08	33.249	199.13
295.28	33.246	199.26
295.48	33.245	199.42
295.67		199.61
295.87	33.249	199.83
296.	33.252	199.98
296.02	33.253	200.
296.04		200.02
296.1	33.255	200.06
296.28	33.263	200.13
296.48	33.275	200.17
296.68	33.288	200.18
296.88	33.303	200.17
297.08	33.319	200.15
297.28	33.335	200.12
297.48	33.35	200.08
297.68	33.364	200.03
297.88	33.377	199.98
298.	33.385	199.94
298.02	33.386	
298.04	33.387	199.93
298.1	33.39	199.94
298.28	33.399	199.97
298.48	33.408	200.04
298.68	33.417	200.13
298.88	33.424	200.24
299.08	33.432	200.35
299.28	33.44	200.43
299.48	33.449	200.5
299.68	33.458	200.56
299.88	33.468	200.62

300.	33.475	200.65
300.02	33.476	200.66
300.04	33.477	
300.1	33.48	200.68
300.28	33.49	200.72
300.48	33.501	200.76
300.68	33.513	200.8
300.88	33.524	200.83
301.08	33.536	200.85
301.28	33.547	
301.48	33.557	200.84
301.68	33.566	200.81
301.88	33.575	200.78
302.	33.579	200.75
302.98	33.637	201.58
303.96	33.748	202.76
306.61	33.967	203.21
314.01	33.723	202.37
316.48	33.654	202.6
318.95	33.5	202.06
320.21	33.427	201.98
321.42	33.354	201.87
322.63	33.273	201.71
326.26	32.995	201.
336.06	32.437	198.85
345.86	32.047	196.76
355.66	31.778	194.96
365.46	31.523	193.17
375.26	31.332	191.56
385.06	31.174	190.08
394.86	30.998	188.57
400.	30.912	187.79
401.	30.895	187.64
402.	30.879	187.49
405.	30.831	187.04
414.	30.687	185.73
424.	30.533	184.31
434.	30.375	182.88
444.	30.191	181.32
454.	30.043	179.87
464.	29.906	178.46
474.	29.796	177.18
484.	29.686	175.94
494.	29.539	174.58
500.	29.456	173.77
501.	29.443	173.64
502.	29.43	173.51
505.	29.394	173.11
514.	29.292	172.
524.	29.18	170.8
534.	29.068	169.6
544.	28.96	168.44
554.	28.856	167.29
564.	28.769	166.23
574.	28.678	165.18
584.	28.585	164.15
594.	28.492	163.12
600.	28.438	162.51
606.	28.384	161.9
612.	28.329	161.29
630.	28.166	159.51
684.	27.741	154.42
738.	27.349	149.62
798.	26.952	144.55
858.	26.591	139.74
918.	26.26	135.18

978.	25.958	130.84
1038.	25.68	126.7
1098.	25.424	122.76
1158.	25.188	118.99
1200.	25.032	116.43
1212.	24.986	115.7
1224.	24.942	114.99
1260.	24.811	112.91
1368.	24.493	107.07
1476.	24.207	101.66
1596.	23.929	96.1
1716.	23.684	90.964
1836.	23.469	86.205
1956.	23.28	81.793
2076.	23.112	77.694
2196.	22.963	73.885
2316.	22.832	70.339
2400.	22.747	67.977
2412.	22.735	67.643
2424.	22.723	67.312
2460.	22.686	66.342
2568.	22.597	63.594
2676.	22.514	61.012
2796.	22.432	58.334
2916.	22.359	55.831
3036.	22.294	53.492
3156.	22.236	51.303
3276.	22.184	49.255
3396.	22.138	47.337
3516.	22.097	45.541
3600.	22.07	44.34
3612.	22.067	44.169
3624.	22.063	44.
3660.	22.051	43.504
3768.	22.023	42.095
3876.	21.998	40.764
3996.	21.972	39.548
4116.	21.95	38.77
4236.	21.93	38.03
4356.	21.912	37.326
4476.	21.897	36.684
4596.	21.883	36.127
4716.	21.872	35.593
4800.	21.864	35.231
4812.	21.863	35.179
4824.	21.862	35.128
4860.	21.859	34.975
4968.	21.851	34.535
5076.	21.845	34.139
5196.	21.839	33.75
5316.	21.833	33.375
5436.	21.829	33.012
5556.	21.826	32.66
5676.	21.823	32.32
5796.	21.821	31.991
5916.	21.82	31.672
6000.	21.819	31.454
6012.		31.423
6024.		31.392
6060.	21.818	31.3
6168.		31.031
6276.	21.819	30.771
6396.		30.49
6516.	21.82	30.218
6636.	21.822	29.955
6756.	21.823	29.699

6876.	21.825	29.451
6996.	21.827	29.211
7116.	21.83	28.978
7200.	21.672	28.818

Material Data

Drum Contents

TABLE 32
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 33
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 34
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 35
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 36
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 37
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 38
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 39
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 40
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85

1014	126.85
1030	226.85

TABLE 41
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 42
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 43
Room Steel > Constants

Density	7854 kg m^-3

TABLE 44
Room Steel > Isotropic Thermal Conductivity

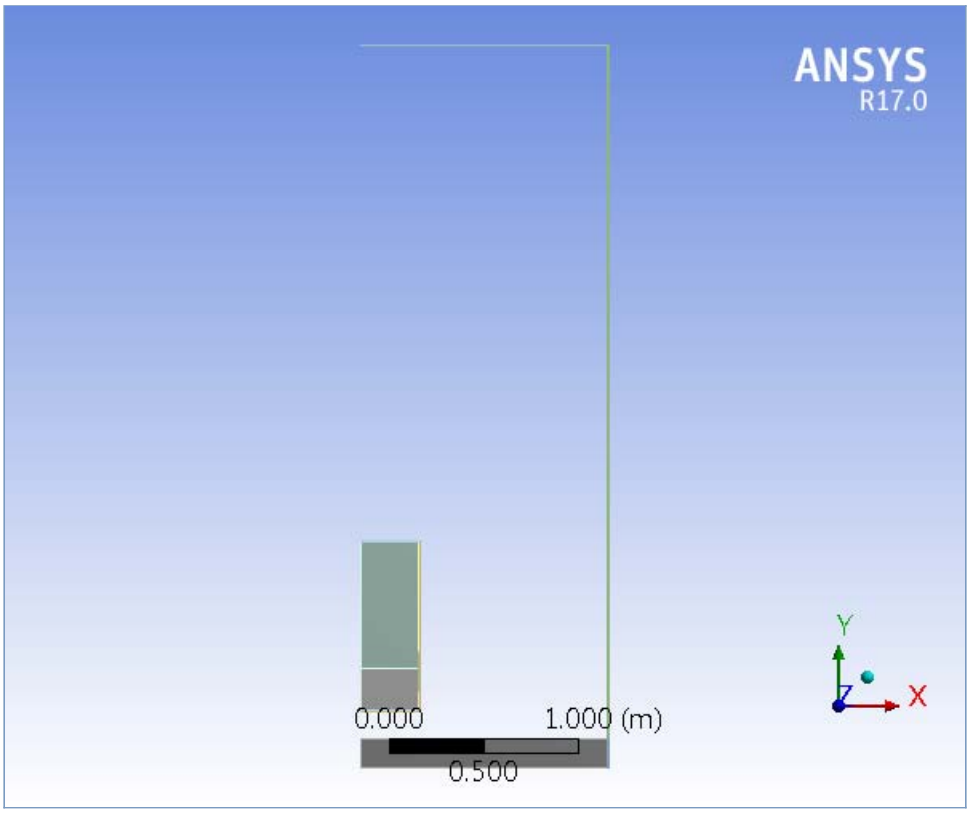
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 45
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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        - Result Charts
      - Results
- **Material Data**
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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (H4)

Geometry

TABLE 2
Model (H4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-20\DM\SYS-20.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	
Volume	N/A
Mass	N/A
Surface Area(approx.)	0.50726 m²
Scale Factor Value	1.
Statistics	
Bodies	18

Active Bodies	18
Nodes	6596
Elements	1918
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (H4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										
Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											

Nodes	1157	205	40	227	2277	447	205	40	351	62	557
Elements	360	54	9	60	720	120	54	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (H4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed						
Graphics Properties							
Visible	Yes						
Transparency	1						
Definition							
Suppressed	No						
Stiffness Behavior	Flexible						
Coordinate System	Default Coordinate System						
Reference Temperature	By Environment						
Behavior	None						
Material							
Assignment	Room Steel		Drum Steel				
Nonlinear Effects	Yes						
Thermal Strain Effects	Yes						
Bounding Box							
Length X	6.35e-003 m	1.3035 m	0.30797 m	3.4036e-003 m			0.30797 m
Length Y	6.35e-003 m		3.4036e-003 m		0.89558 m	3.4037e-003 m	
Properties							
Volume	N/A						
Mass	N/A						
Centroid X	N/A						
Centroid Y	N/A						
Centroid Z	N/A						
Moment of Inertia Ip1	N/A						
Moment of Inertia Ip2	N/A						
Moment of Inertia Ip3	N/A						
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²	1.0482e-003 m²	1.1584e-005 m²	3.0482e-003 m²	1.1584e-005 m²	1.0482e-003 m²
Statistics							
Nodes	40	227	172	40	337	40	172
Elements	9	60	45	9	90	9	45
Mesh Metric	None						

Coordinate Systems

TABLE 5
Model (H4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m
Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (H4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	

Enabled	Yes

TABLE 7
Model (H4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.27e-004 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	18
Active Connections	18

TABLE 8
Model (H4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.27e-004 m										
Suppressed	No										
Advanced											
Formulation	Program Controlled										
Detection Method	Program Controlled										
Elastic Slip Tolerance	Program Controlled										
Thermal Conductance	Program Controlled										
Pinball Region	Program Controlled										
Geometric Modification											
Contact Geometry Correction	None										
Target Geometry Correction	None										

TABLE 9
Model (H4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*	*Contact Region 15*	*Contact Region 16*	*Contact Region 17*	*Contact Region 18*
State	Fully Defined						
Scope							

Scoping Method	Geometry Selection
Contact	1 Edge
Target	1 Edge
Contact Bodies	Surface Body
Target Bodies	Surface Body
Shell Thickness Effect	No
Definition	
Type	Bonded
Scope Mode	Automatic
Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	1.27e-004 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

Mesh

TABLE 10
Model (H4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes

Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	6596
Elements	1918
Mesh Metric	None

TABLE 11
Model (H4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*	*Edge Sizing 10*
State	Fully Defined										
Scope											
Scoping Method	Named Selection									Geometry Selection	Named Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof		SWB Thickness
Geometry										18 Faces	
Definition											
Suppressed	No										
Type	Number of Divisions										Number of Divisions
Number of Divisions	3	18	20	40	5	25	3	50	20		3
Behavior	Hard										Hard
Bias Type	No Bias										No Bias
Mapped Mesh										Yes	
Method										Quadrilaterals	
Constrain Boundary										No	
Advanced											
Specified Sides										No Selection	
Specified Corners										No Selection	
Specified Ends										No Selection	

TABLE 12
Model (H4) > Mesh > Mesh Controls

Object Name	*Edge Sizing 11*	*Edge Sizing 12*
State	Fully Defined	
Scope		
Scoping Method	Named Selection	
Named Selection	SWB Horizontal Line	SWB Verical Line
Definition		
Suppressed	No	
Type	Number of Divisions	
Number of Divisions	15	30
Behavior	Hard	
Bias Type	No Bias	

Named Selections

TABLE 13
Model (H4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*	*SWB Thickness*	*SWB Horizontal Line*
State	Fully Defined										
Scope											

Scoping Method	Worksheet				Geometry Selection	Worksheet					
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges
Definition											
Send to Solver	Yes										
Visible	Yes										
Program Controlled Inflation	Exclude										
Statistics											
Type	Manual										
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m	4.765e-002 m	1.2319 m
Suppressed	0										
Used by Mesh Worksheet	No										
Tolerance											
Tolerance Type	Program Controlled					Program Controlled					
Zero Tolerance	1.e-008					1.e-008					
Relative Tolerance	1.e-003					1.e-003					

TABLE 14
Model (H4) > Named Selections > Named Selections

Object Name	*SWB Verical Line*
State	Fully Defined
Scope	
Scoping Method	Worksheet
Geometry	2 Edges
Definition	
Send to Solver	Yes
Visible	Yes
Program Controlled Inflation	Exclude
Statistics	
Type	Manual
Total Selection	2 Edges
Length	1.7912 m
Suppressed	0
Used by Mesh Worksheet	No
Tolerance	
Tolerance Type	Program Controlled
Zero Tolerance	1.e-008
Relative Tolerance	1.e-003

Transient Thermal (H5)

TABLE 15
Model (H4) > Analysis

Object Name	*Transient Thermal (H5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 16
Model (H4) > Transient Thermal (H5) > Initial Condition

Object Name	*Initial Temperature*

State	Fully Defined
Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 17
Model (H4) > Transient Thermal (H5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	487.
Current Step Number	487.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	600.
Axisymmetry Divisions	240.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-20\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 18
Model (H4) > Transient Thermal (H5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			
12	24. s			
13	26. s			
14	28. s			

15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s			
43	86. s			
44	88. s			
45	90. s			
46	92. s			
47	94. s	2.e-002 s	2.e-003 s	0.2 s
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72	144. s			
73	146. s			
74	148. s			
75	150. s			
76	152. s			
77	154. s			
78	156. s			
79	158. s			
80	160. s			

81	161. s
82	162. s
83	163. s
84	164. s
85	165. s
86	166. s
87	167. s
88	168. s
89	169. s
90	170. s
91	171. s
92	172. s
93	173. s
94	174. s
95	175. s
96	176. s
97	177. s
98	178. s
99	179. s
100	180. s
101	181. s
102	182. s
103	183. s
104	184. s
105	185. s
106	186. s
107	187. s
108	188. s
109	189. s
110	190. s
111	191. s
112	192. s
113	193. s
114	194. s
115	195. s
116	196. s
117	197. s
118	198. s
119	199. s
120	200. s
121	201. s
122	202. s
123	203. s
124	204. s
125	205. s
126	206. s
127	207. s
128	208. s
129	209. s
130	210. s
131	211. s
132	212. s
133	213. s
134	214. s
135	215. s
136	216. s
137	217. s
138	218. s
139	219. s
140	220. s
141	221. s
142	222. s
143	223. s
144	224. s
145	225. s
146	226. s

	227. s
148	228. s
149	229. s
150	230. s
151	231. s
152	232. s
153	233. s
154	234. s
155	235. s
156	236. s
157	237. s
158	238. s
159	239. s
160	240. s
161	241. s
162	242. s
163	243. s
164	244. s
165	245. s
166	246. s
167	247. s
168	248. s
169	249. s
170	250. s
171	251. s
172	252. s
173	253. s
174	254. s
175	255. s
176	256. s
177	257. s
178	258. s
179	259. s
180	260. s
181	261. s
182	262. s
183	263. s
184	264. s
185	265. s
186	266. s
187	267. s
188	268. s
189	269. s
190	270. s
191	271. s
192	272. s
193	273. s
194	274. s
195	275. s
196	276. s
197	277. s
198	278. s
199	279. s
200	280. s
201	281. s
202	282. s
203	283. s
204	284. s
205	285. s
206	286. s
207	287. s
208	288. s
209	289. s
210	290. s
211	291. s
212	292. s

	293. s
214	294. s
215	295. s
216	296. s
217	297. s
218	298. s
219	299. s
220	300. s
221	301. s
222	302. s
223	303. s
224	304. s
225	305. s
226	306. s
227	307. s
228	308. s
229	309. s
230	310. s
231	311. s
232	312. s
233	313. s
234	314. s
235	315. s
236	316. s
237	317. s
238	318. s
239	319. s
240	320. s
241	321. s
242	322. s
243	323. s
244	324. s
245	325. s
246	326. s
247	327. s
248	328. s
249	329. s
250	330. s
251	331. s
252	332. s
253	333. s
254	334. s
255	335. s
256	336. s
257	337. s
258	338. s
259	339. s
260	340. s
261	341. s
262	342. s
263	343. s
264	344. s
265	345. s
266	346. s
267	347. s
268	348. s
269	349. s
270	350. s
271	351. s
272	352. s
273	353. s
274	354. s
275	355. s
276	356. s
277	357. s
278	358. s

	359. s
280	360. s
281	361. s
282	362. s
283	363. s
284	364. s
285	365. s
286	366. s
287	367. s
288	368. s
289	369. s
290	370. s
291	371. s
292	372. s
293	373. s
294	374. s
295	375. s
296	376. s
297	377. s
298	378. s
299	379. s
300	380. s
301	381. s
302	382. s
303	383. s
304	384. s
305	385. s
306	386. s
307	387. s
308	388. s
309	389. s
310	390. s
311	391. s
312	392. s
313	393. s
314	394. s
315	395. s
316	396. s
317	397. s
318	398. s
319	399. s
320	400. s
321	401. s
322	402. s
323	403. s
324	404. s
325	405. s
326	406. s
327	407. s
328	408. s
329	409. s
330	410. s
331	411. s
332	412. s
333	413. s
334	414. s
335	415. s
336	416. s
337	417. s
338	418. s
339	419. s
340	420. s
341	421. s
342	422. s
343	423. s
344	424. s

	425. s
346	426. s
347	427. s
348	428. s
349	429. s
350	430. s
351	431. s
352	432. s
353	433. s
354	434. s
355	435. s
356	436. s
357	437. s
358	438. s
359	439. s
360	440. s
361	441. s
362	442. s
363	443. s
364	444. s
365	445. s
366	446. s
367	447. s
368	448. s
369	449. s
370	450. s
371	451. s
372	452. s
373	453. s
374	454. s
375	455. s
376	456. s
377	457. s
378	458. s
379	459. s
380	460. s
381	461. s
382	462. s
383	463. s
384	464. s
385	465. s
386	466. s
387	467. s
388	468. s
389	469. s
390	470. s
391	471. s
392	472. s
393	473. s
394	474. s
395	475. s
396	476. s
397	477. s
398	478. s
399	479. s
400	480. s
401	481. s
402	482. s
403	483. s
404	484. s
405	485. s
406	486. s
407	487. s
408	488. s
409	489. s
410	490. s

	491. s
412	492. s
413	493. s
414	494. s
415	495. s
416	496. s
417	497. s
418	498. s
419	499. s
420	500. s
421	501. s
422	502. s
423	503. s
424	504. s
425	505. s
426	506. s
427	507. s
428	508. s
429	509. s
430	510. s
431	511. s
432	512. s
433	513. s
434	514. s
435	515. s
436	516. s
437	517. s
438	518. s
439	519. s
440	520. s
441	521. s
442	522. s
443	523. s
444	524. s
445	525. s
446	526. s
447	527. s
448	528. s
449	529. s
450	530. s
451	531. s
452	532. s
453	533. s
454	534. s
455	535. s
456	536. s
457	537. s
458	538. s
459	539. s
460	540. s
461	541. s
462	542. s
463	543. s
464	544. s
465	545. s
466	546. s
467	547. s
468	548. s
469	549. s
470	550. s
471	551. s
472	552. s
473	553. s
474	554. s
475	555. s
476	556. s

	557. s			
478	558. s			
479	559. s	1.e-002 s		
480	560. s			

				1.e-003 s		

				0.1 s
481	600. s	0.4 s	4.e-002 s	4. s
482	1200. s	6. s	0.6 s	60. s
483	2400. s	12. s	1.2 s	120. s
484	3600. s			
485	4800. s			
486	6000. s			
487	7200. s			

TABLE 19
Model (H4) > Transient Thermal (H5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*	*Radiation 8*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Geometry	1 Edge	2 Edges	1 Edge	3 Edges	1 Edge	2 Edges	1 Edge	5 Edges		1 Edge	2 Edges
Definition											
Type	Temperature	Radiation						Convection	Heat Flux	Radiation	
Magnitude	22.25 °C (step applied)								Tabular Data		
Suppressed	No										
Correlation		Surface to Surface								Surface to Surface	
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			0.9 (step applied)	
Enclosure		1.								2.	
Enclosure Type		Perfect								Perfect	
Film Coefficient								Tabular Data			
Ambient Temperature								Tabular Data			
Convection Matrix								Program Controlled			
Edit Data For								Film Coefficient			
Tabular Data											
Independent Variable								Time			

FIGURE 1
Model (H4) > Transient Thermal (H5) > Temperature

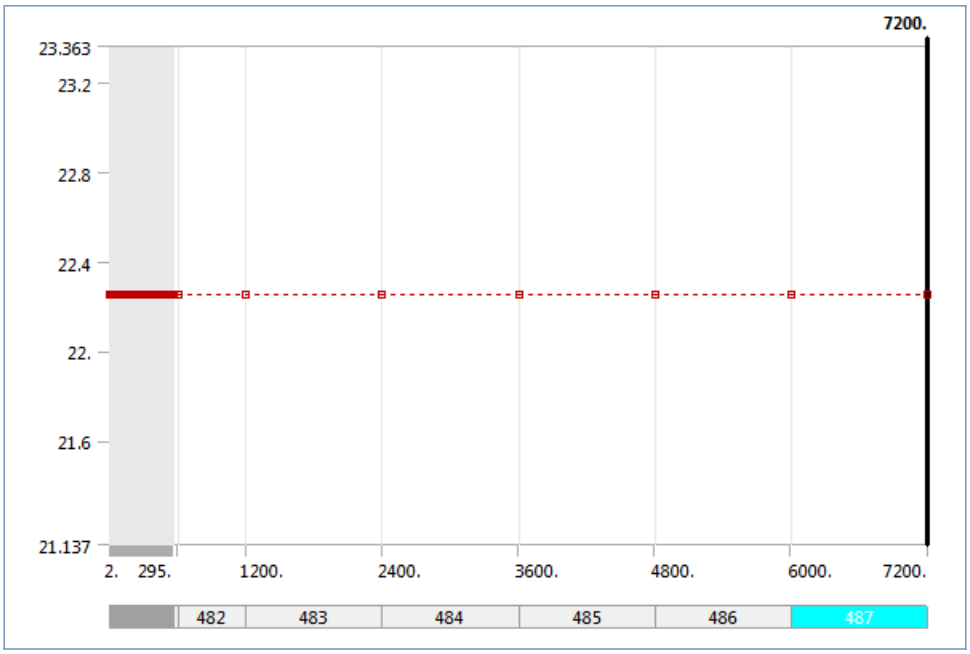


FIGURE 2
Model (H4) > Transient Thermal (H5) > Radiation 2

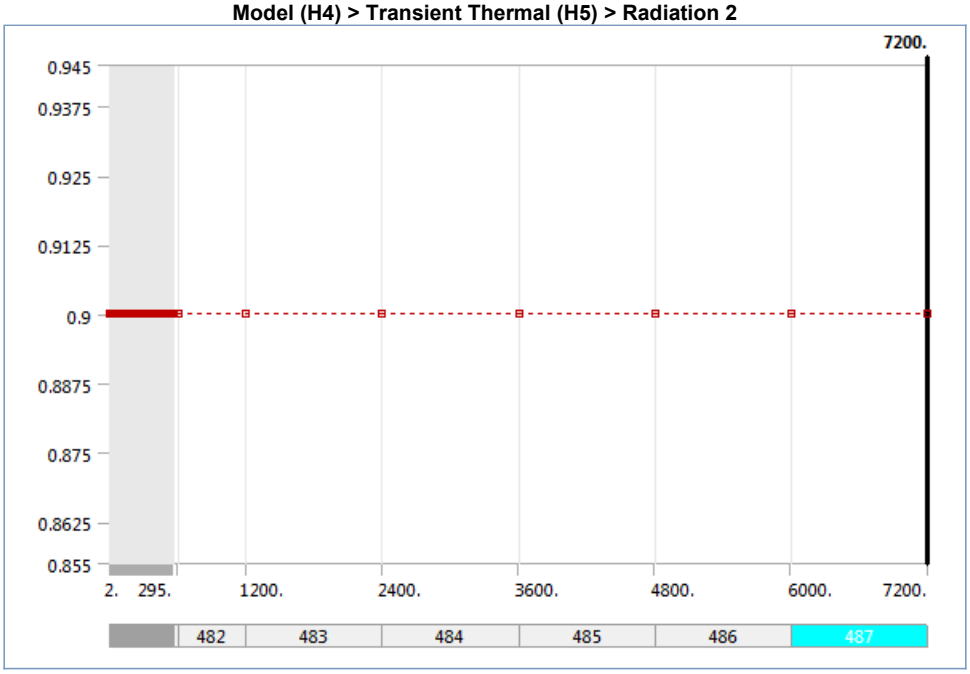


FIGURE 3
Model (H4) > Transient Thermal (H5) > Radiation 3

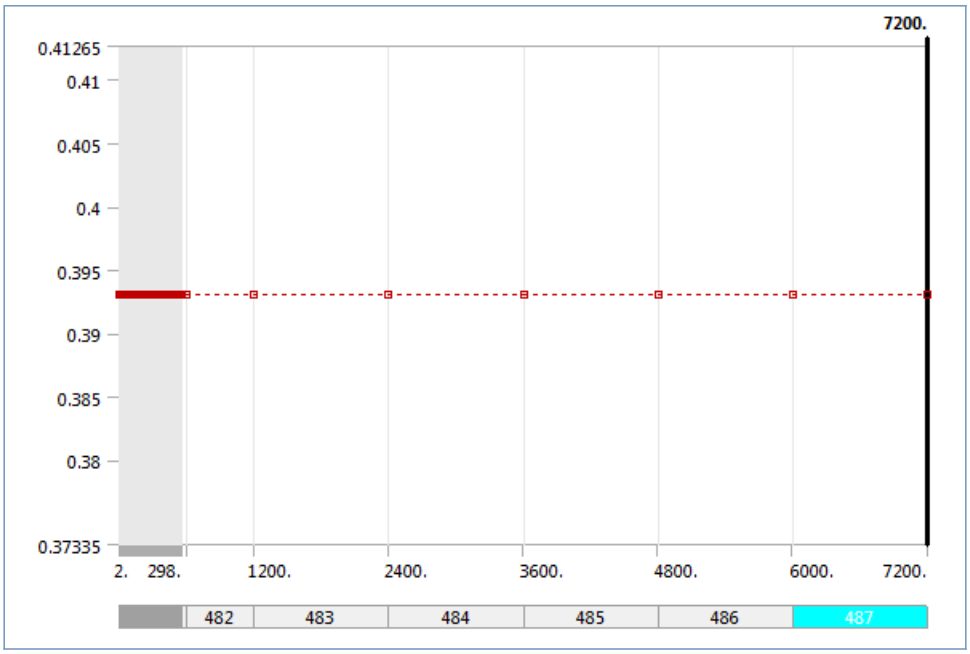


FIGURE 4
Model (H4) > Transient Thermal (H5) > Radiation 4

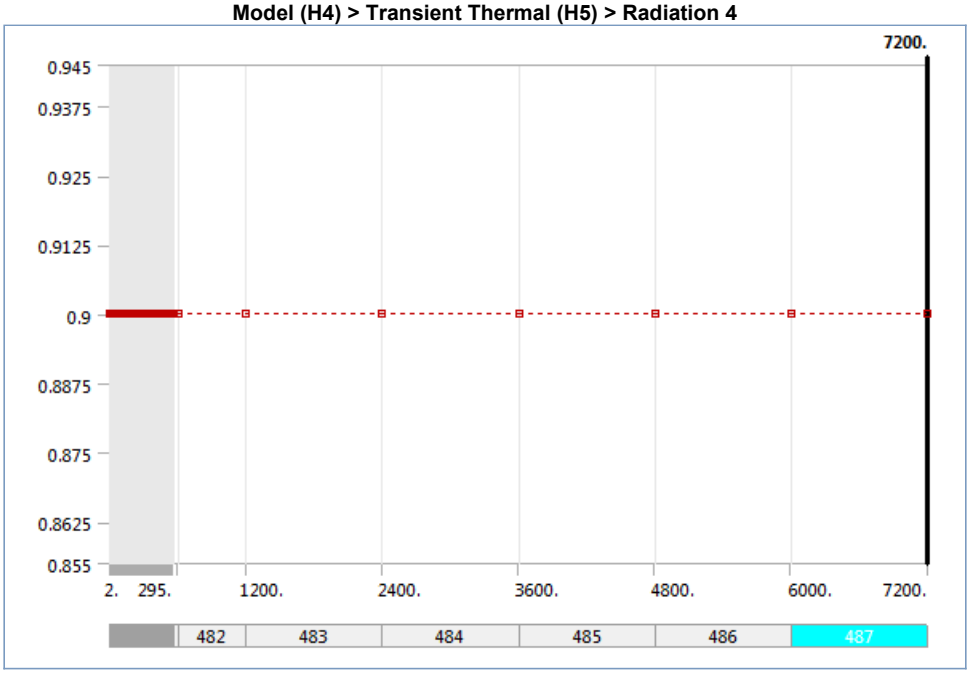


FIGURE 5
Model (H4) > Transient Thermal (H5) > Radiation 5

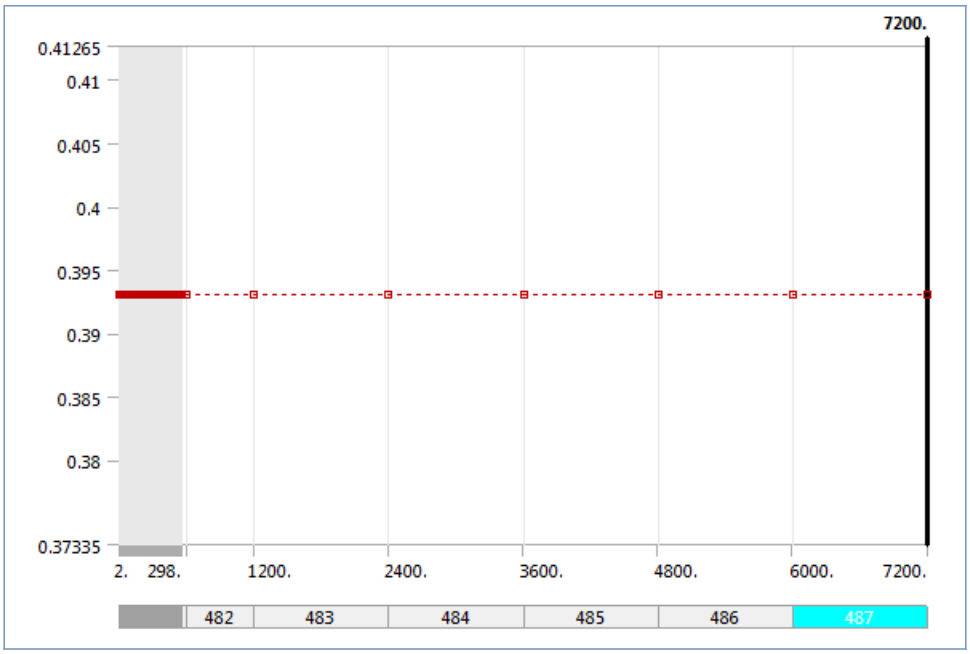


FIGURE 6
Model (H4) > Transient Thermal (H5) > Radiation 6

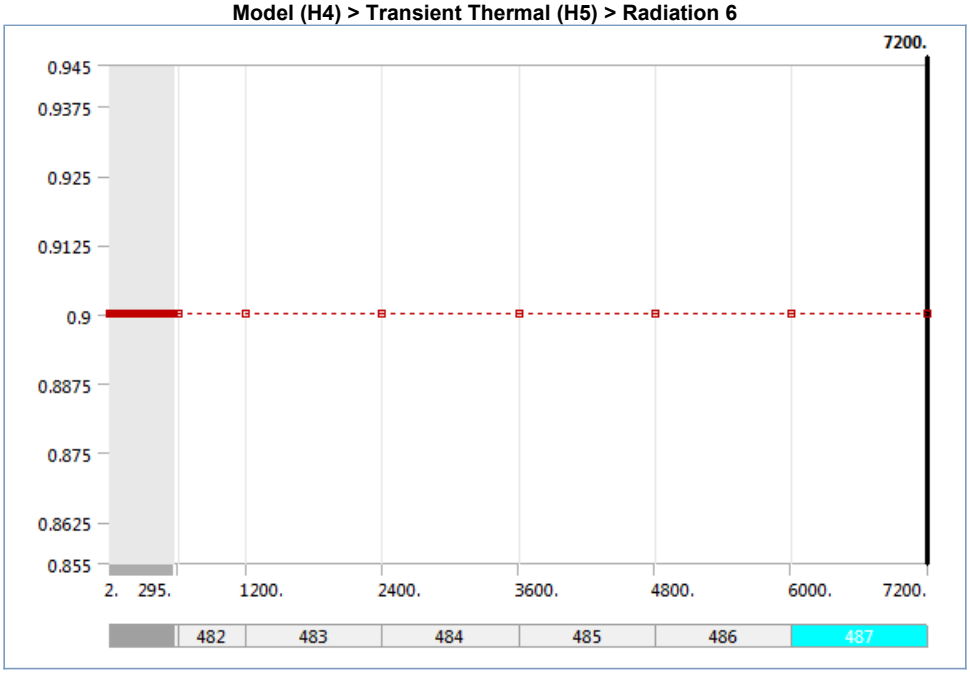


FIGURE 7
Model (H4) > Transient Thermal (H5) > Radiation 7

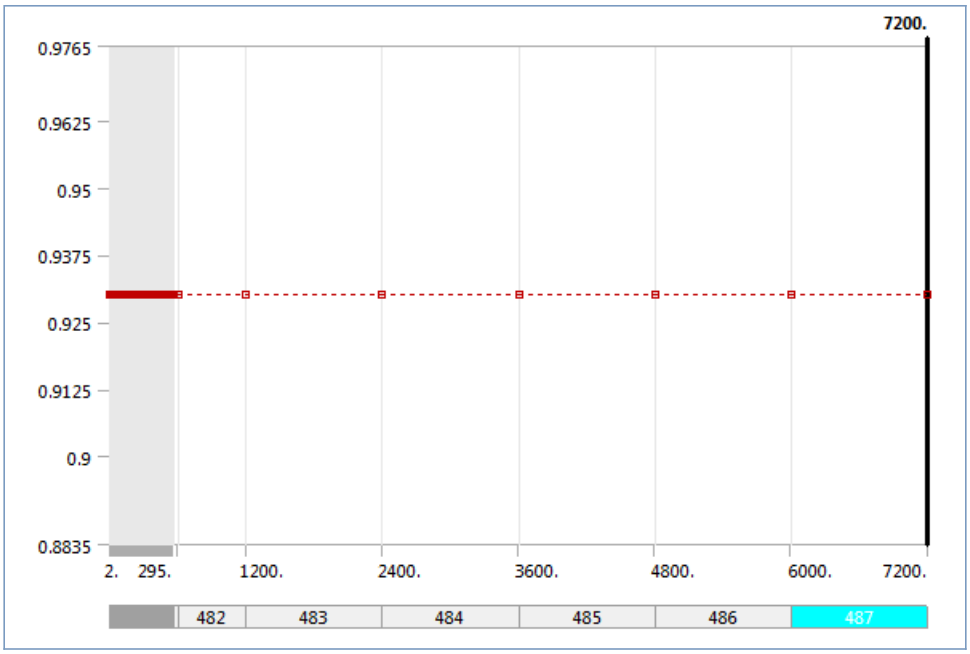


FIGURE 8
Model (H4) > Transient Thermal (H5) > Convection

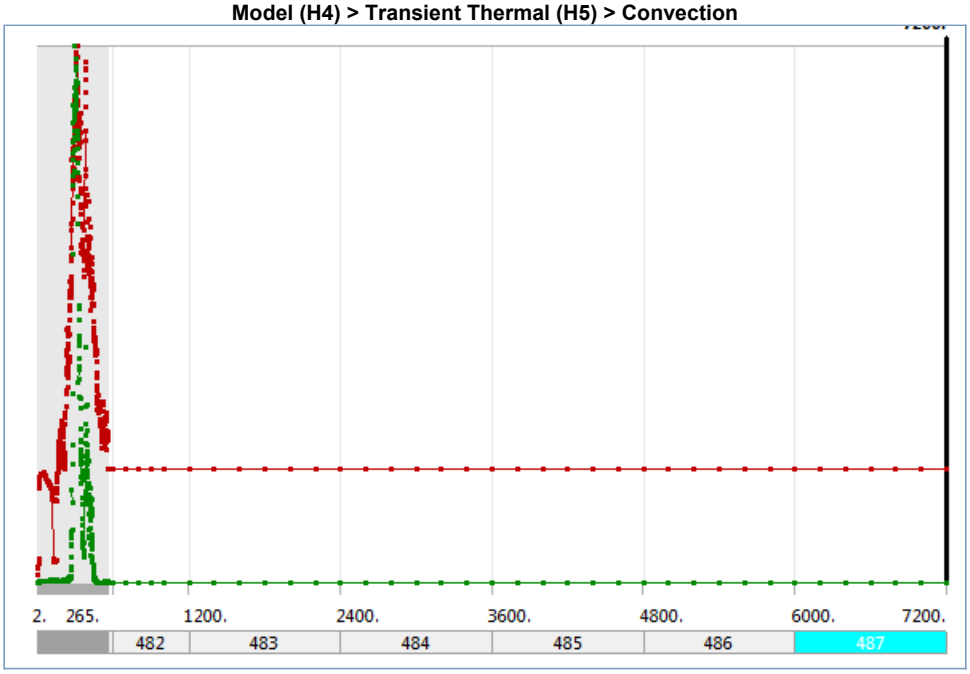


TABLE 20
Model (H4) > Transient Thermal (H5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	16.88
3	6.	0.92	16.95
4	8.	1.12	16.99
5	10.	1.3	17.
6	12.	4.2	16.98
7	14.	4.34	
8	16.	4.54	17.21
9	18.	4.64	17.05
10	20.	4.7	17.12
11	22.	4.73	17.18

12	24.	4.76	17.22
13	26.	4.78	17.26
14	28.	4.79	17.28
15	30.	4.8	17.3
16	32.	4.78	17.36
17	34.	4.76	17.39
18	36.	4.75	17.48
19	38.	4.76	17.6
20	40.	4.78	17.65
21	42.	4.8	
22	44.	4.82	
23	46.	4.83	17.68
24	48.		17.78
25	50.	4.82	17.86
26	52.		17.94
27	54.	4.8	17.98
28	56.	4.77	18.
29	58.	4.76	18.02
30	60.	4.73	18.05
31	62.	4.7	18.1
32	64.	4.67	18.14
33	66.	4.64	18.16
34	68.	4.6	18.15
35	70.	4.56	18.21
36	72.	4.54	18.23
37	74.	4.53	18.25
38	76.	4.55	18.26
39	78.	4.52	18.27
40	80.	4.5	
41	82.	4.49	18.26
42	84.	4.45	
43	86.	4.42	
44	88.	4.39	18.33
45	90.	4.38	18.4
46	92.	4.37	18.47
47	94.	4.34	18.55
48	96.	4.31	18.62
49	98.	4.3	18.9
50	100.	4.32	19.45
51	102.	4.29	19.98
52	104.	4.24	20.53
53	106.	4.21	21.04
54	108.	4.2	21.11
55	110.	4.09	20.88
56	112.	4.01	20.44
57	114.	3.99	19.87
58	116.	3.94	19.81
59	118.	3.85	19.46
60	120.	3.75	19.8
61	122.	1.31	19.88
62	124.	1.28	19.91
63	126.	1.24	19.94
64	128.	1.22	19.72
65	130.		19.46
66	132.		20.75
67	134.	1.24	22.42
68	136.	1.27	22.33
69	138.		21.67
70	140.	3.71	21.03
71	142.	3.76	20.54
72	144.	1.22	20.02
73	146.	1.25	19.7
74	148.	3.69	20.12
75	150.	3.98	20.43
76	151.	4.05	19.85
	152.	4.23	19.54

77	153.	4.48	19.13
	154.		18.88
78	155.	4.44	18.57
	156.	4.63	18.48
79	157.	4.74	18.34
	158.	4.79	18.23
80	159.	4.85	18.09
	160.	4.93	18.05
81	161.	5.04	18.
82	162.	5.15	17.99
83	163.	5.3	17.97
84	164.	5.4	17.98
85	165.	5.61	17.96
86	166.	5.76	17.99
87	167.	5.83	17.98
88	168.	5.82	17.92
89	169.	5.87	
90	170.	5.97	17.97
91	171.	6.1	18.24
92	172.	6.21	18.77
93	173.	6.2	19.16
94	174.	6.21	19.64
95	175.	6.26	19.81
96	176.	6.27	19.89
97	177.	6.24	19.06
98	178.	6.32	19.37
99	179.	6.28	19.72
100	180.	6.19	19.83
101	181.	6.32	19.77
102	182.	6.44	19.71
103	183.	6.54	19.27
104	184.	6.61	18.34
105	185.	6.7	
106	186.	6.79	18.29
107	187.	6.82	18.25
108	188.	6.81	18.3
109	189.	6.93	18.54
110	190.	6.82	18.64
111	191.	6.77	18.63
112	192.	6.73	18.52
113	193.	6.71	18.38
114	194.		18.77
115	195.	6.79	19.12
116	196.	6.86	19.25
117	197.	6.71	19.41
118	198.	6.48	19.61
119	199.	6.29	19.9
120	200.	6.06	19.68
121	201.	5.91	19.58
122	202.	5.86	19.87
123	203.	5.73	20.13
124	204.	5.61	20.26
125	205.	5.5	
126	206.	5.38	20.14
127	207.	5.18	20.07
128	208.	5.05	20.24
129	209.	5.22	20.56
130	210.	5.1	20.77
131	211.	5.36	20.88
132	212.	5.6	20.95
133	213.	5.34	21.12
134	214.	4.98	21.07
135	215.	5.1	20.79
136	216.	5.64	20.9
137	217.	6.79	21.15
138	218.	7.09	21.53

139	219.	7.13	23.4
140	220.	7.25	23.17
141	221.	7.24	21.34
142	222.	7.51	21.29
143	223.	8.03	21.7
144	224.	8.22	21.59
145	225.	8.19	21.32
146	226.	9.08	20.97
147	227.	8.87	20.6
148	228.	8.9	20.24
149	229.	9.63	20.26
150	230.	9.83	20.24
151	231.	9.79	20.45
152	232.	9.69	20.55
153	233.	9.73	20.24
154	234.	10.68	20.21
155	235.	10.71	19.51
156	236.	10.6	20.12
157	237.	10.09	20.61
158	238.	9.89	20.9
159	239.	9.	20.73
160	240.	10.42	20.8
161	241.	9.42	23.27
162	242.	9.15	23.11
163	243.	9.27	23.7
164	244.	9.3	22.97
165	245.	8.74	22.29
166	246.	8.34	21.72
167	247.	8.88	21.85
168	248.	9.57	22.54
169	249.	9.38	22.22
170	250.	9.55	22.36
171	251.	11.48	21.71
172	252.	10.49	21.24
173	253.	11.06	22.08
174	254.	11.64	22.94
175	255.	11.95	24.07
176	256.	12.15	27.31
177	257.	12.24	25.45
178	258.	12.1	22.74
179	259.	12.64	23.56
180	260.	12.62	26.44
181	261.	12.4	28.62
182	262.	12.2	28.43
183	263.	12.56	47.63
184	264.	13.67	40.55
185	265.	13.63	67.45
186	266.	14.71	113.69
187	267.	17.62	93.67
188	268.	14.96	122.22
189	269.	13.47	113.63
190	270.	12.83	106.56
191	271.	11.98	90.82
192	272.	13.98	207.31
193	273.	18.06	179.99
194	274.	16.83	123.91
195	275.	15.84	300.3
196	276.	17.11	261.28
197	277.	17.17	406.44
198	278.	15.21	695.86
199	279.	16.41	857.53
200	280.	17.27	904.08
201	281.	17.68	839.09
202	282.	17.84	966.17
203	283.	18.38	889.51
204	284.	17.71	1004.2

	285.	16.66	928.58
206	286.	16.86	936.24
207	287.	18.71	868.56
208	288.	17.69	910.43
209	289.	18.1	950.13
210	290.	17.61	933.13
211	291.	18.	978.16
212	292.	17.21	992.68
213	293.	18.75	972.39
214	294.	19.8	986.12
215	295.	18.89	1023.1
216	296.	20.01	1126.
217	297.	18.45	1040.4
218	298.	18.39	1018.7
219	299.	18.88	1043.2
220	300.	18.57	1029.5
221	301.	20.38	1054.6
222	302.	21.55	1015.6
223	303.	19.02	1014.
224	304.	20.58	1053.8
225	305.	21.87	1100.7
226	306.	21.57	1084.2
227	307.	20.56	1028.4
228	308.	19.72	1004.4
229	309.	19.98	994.41
230	310.	21.99	1075.2
231	311.	20.52	1050.7
232	312.	19.82	948.66
233	313.	20.32	950.97
234	314.	21.77	913.52
235	315.	22.24	945.32
236	316.	21.79	932.43
237	317.	20.01	937.04
238	318.	17.57	883.26
239	319.	18.41	863.37
240	320.	19.87	813.01
241	321.	18.8	864.46
242	322.	18.91	759.3
243	323.	16.79	428.32
244	324.	16.77	455.61
245	325.	16.86	436.96
246	326.	17.66	478.56
247	327.	18.84	464.22
248	328.	19.2	559.31
249	329.	19.29	583.2
250	330.	18.67	587.92
251	331.	18.53	519.47
252	332.	18.35	510.27
253	333.	19.22	524.38
254	334.	19.52	505.57
255	335.	18.12	400.83
256	336.	19.11	397.09
257	337.	18.7	375.08
258	338.	19.52	332.04
259	339.	18.29	285.86
260	340.	16.44	266.87
261	341.	15.8	235.76
262	342.	16.26	221.28
263	343.	15.37	276.42
264	344.	15.64	290.79
265	345.	14.99	307.97
266	346.	13.83	309.15
267	347.	14.08	273.9
268	348.	14.15	261.79
269	349.	14.18	248.48
270	350.	13.95	244.39

	351.	14.1	227.28
272	352.	13.94	190.48
273	353.	14.28	177.1
274	354.	14.35	149.27
275	355.	14.25	133.58
276	356.	14.84	118.96
277	357.	14.32	106.59
278	358.	13.74	95.56
279	359.	14.12	98.3
280	360.	14.02	92.69
281	361.	14.33	87.76
282	362.	14.35	81.72
283	363.	14.36	77.81
284	364.	13.88	72.04
285	365.	13.6	96.59
286	366.	13.48	81.1
287	367.	13.78	75.02
288	368.	13.79	75.21
289	369.	13.12	68.57
290	370.	12.86	69.49
291	371.	12.84	69.22
292	372.	14.74	69.06
293	373.	14.75	73.17
294	374.	18.77	276.14
295	375.	19.75	262.49
296	376.	21.24	303.56
297	377.	21.34	503.23
298	378.	20.86	381.54
299	379.	21.58	343.53
300	380.	20.33	319.28
301	381.	18.38	180.29
302	382.	17.24	194.14
303	383.	16.93	199.18
304	384.	15.73	204.49
305	385.	16.44	233.99
306	386.	15.89	246.07
307	387.	16.17	260.65
308	388.	15.92	246.48
309	389.	15.06	288.17
310	390.	15.07	382.43
311	391.	14.45	331.01
312	392.	14.44	301.01
313	393.	14.37	276.49
314	394.	13.84	235.34
315	395.	13.66	211.01
316	396.	13.4	177.13
317	397.	13.2	259.91
318	398.	13.58	235.77
319	399.	13.26	242.91
320	400.	13.51	265.92
321	401.	13.98	177.17
322	402.	13.71	107.28
323	403.	13.53	157.69
324	404.	13.63	219.78
325	405.	14.29	220.81
326	406.	15.2	187.76
327	407.	14.49	125.19
328	408.	12.95	111.71
329	409.	15.9	196.47
330	410.	14.07	211.25
331	411.	13.14	189.24
332	412.	12.45	172.57
333	413.	14.4	164.24
334	414.	14.84	175.82
335	415.	13.58	146.66
336	416.	12.76	162.3

	417.	11.96	127.8
338	418.	11.47	95.05
339	419.	12.65	70.55
340	420.	13.48	146.26
341	421.	13.12	212.58
342	422.	12.77	171.49
343	423.	12.62	185.
344	424.	12.6	191.12
345	425.	12.61	153.32
346	426.	12.23	156.79
347	427.	12.75	106.68
348	428.	13.	115.8
349	429.	13.36	187.22
350	430.	13.59	167.99
351	431.	12.02	102.27
352	432.	11.65	95.62
353	433.	12.04	94.38
354	434.	11.74	103.97
355	435.	11.66	84.84
356	436.	11.95	68.66
357	437.	11.71	59.64
358	438.	12.49	51.39
359	439.	12.29	40.17
360	440.	12.36	47.24
361	441.	11.74	30.18
362	442.	11.63	33.51
363	443.	10.97	29.43
364	444.	10.52	27.2
365	445.	10.64	24.53
366	446.	10.77	33.16
367	447.	10.37	34.9
368	448.	10.41	22.8
369	449.	10.22	23.81
370	450.	10.32	22.2
371	451.	10.01	21.66
372	452.	10.17	23.62
373	453.	9.97	23.74
374	454.	10.2	19.46
375	455.	9.92	17.78
376	456.	10.12	17.55
377	457.	9.92	17.49
378	458.	10.04	17.03
379	459.	9.75	18.67
380	460.		18.66
381	461.	9.8	18.92
382	462.	9.65	17.16
383	463.	9.8	17.22
384	464.	9.68	17.72
385	465.	9.34	17.93
386	466.	8.92	17.99
387	467.	8.88	17.96
388	468.	8.92	17.91
389	469.	8.69	18.03
390	470.	8.38	17.8
391	471.	8.21	16.8
392	472.	7.87	16.04
393	473.	7.42	15.91
394	474.	7.69	15.79
395	475.	7.92	15.86
396	476.	7.97	15.91
397	477.	7.55	15.78
398	478.	7.62	15.8
399	479.	7.54	15.86
400	480.	7.56	15.87
401	481.	7.57	15.92
402	482.	7.56	15.89

403	483.	7.72	16.11
404	484.	7.66	16.2
405	485.	7.3	16.29
406	486.	7.33	16.21
407	487.	7.49	16.25
408	488.	7.67	16.32
409	489.	7.68	16.07
410	490.	7.44	16.11
411	491.	7.	15.99
412	492.	6.91	15.98
413	493.	6.99	16.16
414	494.	6.93	16.26
415	495.	6.8	16.38
416	496.	6.79	16.37
417	497.	6.78	16.23
418	498.	6.82	16.06
419	499.	6.93	
420	500.	7.03	
421	501.	6.71	16.05
422	502.	6.34	16.01
423	503.	6.32	15.68
424	504.	6.21	15.4
425	505.	6.12	15.34
426	506.	6.07	15.35
427	507.	5.83	15.78
428	508.	6.09	16.11
429	509.	6.11	16.13
430	510.	6.13	16.06
431	511.	6.19	16.
432	512.	6.26	15.93
433	513.	6.57	16.11
434	514.	6.63	16.02
435	515.	6.68	15.91
436	516.	6.62	15.98
437	517.	6.59	16.37
438	518.	6.63	16.6
439	519.	6.84	16.74
440	520.	7.59	16.69
441	521.	7.62	16.73
442	522.	7.71	16.86
443	523.	7.67	16.78
444	524.	7.35	
445	525.	6.9	16.9
446	526.	6.94	16.86
447	527.	7.09	16.69
448	528.	7.06	16.72
449	529.	6.97	16.52
450	530.	6.98	17.15
451	531.	6.79	17.01
452	532.	6.52	17.04
453	533.	6.47	16.9
454	534.	6.38	16.77
455	535.	6.37	16.8
456	536.	6.31	16.69
457	537.	6.19	16.77
458	538.	6.	16.98
459	539.	5.79	16.96
460	540.	6.13	16.99
461	541.	7.17	17.24
462	542.	7.3	17.23
463	543.	7.18	17.22
464	544.	7.13	17.19
465	545.	7.17	17.06
466	546.	6.98	16.91
467	547.	6.53	16.75
468	548.	6.43	16.74

469	549.	6.33	16.08
470	550.	6.28	15.78
471	551.	6.45	15.75
472	552.	6.33	17.09
473	553.	6.15	17.13
474	554.	6.2	17.08
475	555.	6.5	17.01
476	556.	5.	16.85
477	557.		
478	558.		
479	559.		
480	560.		
481	565.		
	570.		
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
482	700.		
	800.		
	900.		
	1000.		
	1200.		
483	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.		
484	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
485	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
486	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
487	6200.		
	6400.		
	6600.		
	6800.		
	7000.		
	7200.		

FIGURE 9
Model (H4) > Transient Thermal (H5) > Heat Flux

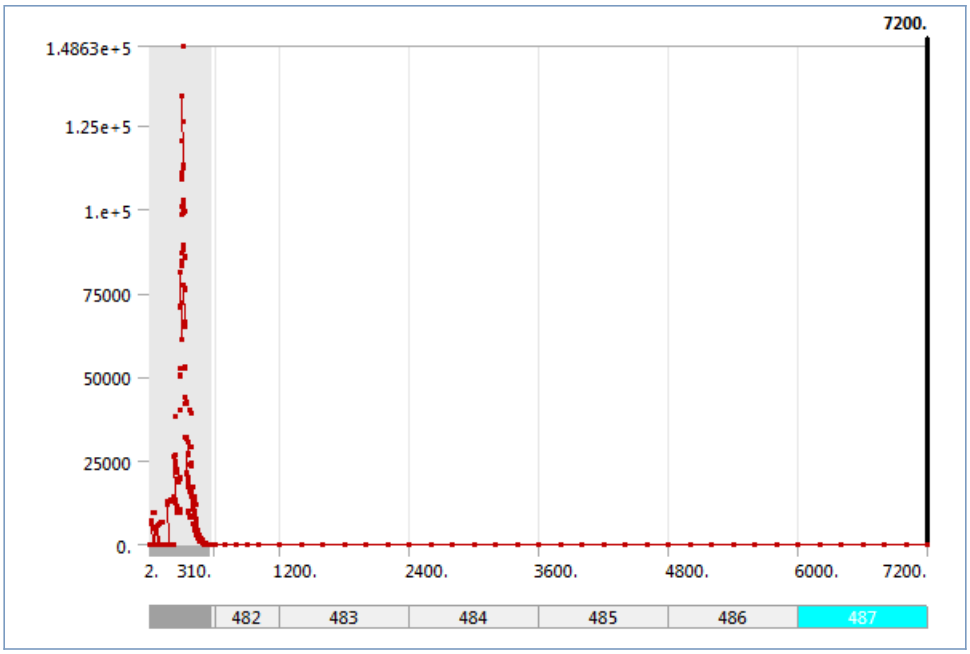


TABLE 21
Model (H4) > Transient Thermal (H5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	7391.7
9	18.	7263.8
10	20.	0.
11	22.	6193.3
12	24.	0.3
13	26.	0.
14	28.	5067.3
15	30.	4901.8
16	32.	9555.9
17	34.	4651.7
18	36.	0.3
19	38.	4593.3
20	40.	4801.1
21	42.	9343.1
22	44.	0.3
23	46.	0.
24	48.	4987.7
25	50.	0.3
26	52.	5167.8
27	54.	0.
28	56.	5273.7
29	58.	5282.1
30	60.	5281.5
31	62.	0.
32	64.	0.3
33	66.	5299.3
34	68.	0.
35	70.	
36	72.	
37	74.	0.3

38	76.	5700.4
39	78.	5758.2
40	80.	5803.1
41	82.	0.
42	84.	0.3
43	86.	0.
44	88.	
45	90.	
46	92.	
47	94.	6249.3
48	96.	0.
49	98.	
50	100.	
51	102.	0.3
52	104.	6679.5
53	106.	0.
54	108.	
55	110.	0.3
56	112.	0.
57	114.	
58	116.	6680.2
59	118.	0.
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	
67	134.	
68	136.	
69	138.	
70	140.	
71	142.	
72	144.	
73	146.	
74	148.	
75	150.	
76	151.	
	152.	
77	153.	
	154.	
78	155.	
	156.	
79	157.	
	158.	11947
80	159.	0.
	160.	
81	161.	0.3
82	162.	0.
83	163.	
84	164.	
85	165.	
86	166.	
87	167.	
88	168.	0.3
89	169.	0.
90	170.	12895
91	171.	0.
92	172.	
93	173.	
94	174.	
95	175.	
96	176.	12947
97	177.	
98	178.	

99	179.	0.
100	180.	
101	181.	12927
102	182.	0.
103	183.	
104	184.	
105	185.	
106	186.	
107	187.	
108	188.	
109	189.	12942
110	190.	0.
111	191.	
112	192.	
113	193.	
114	194.	
115	195.	
116	196.	
117	197.	
118	198.	
119	199.	13234
120	200.	13274
121	201.	13270
122	202.	13294
123	203.	0.
124	204.	
125	205.	
126	206.	
127	207.	
128	208.	13493
129	209.	13457
130	210.	0.
131	211.	13392
132	212.	13393
133	213.	13441
134	214.	13442
135	215.	13973
136	216.	13971
137	217.	13370
138	218.	13935
139	219.	13971
140	220.	0.3
141	221.	14060
142	222.	14119
143	223.	13528
144	224.	13486
145	225.	14003
146	226.	13906
147	227.	26520
148	228.	26422
149	229.	26273
150	230.	13597
151	231.	13484
152	232.	26829
153	233.	13335
154	234.	38047
155	235.	13128
156	236.	25027
157	237.	24911
158	238.	24670
159	239.	12752
160	240.	12640
161	241.	23902
162	242.	23519
163	243.	23260
164	244.	22995

165	245.	22610
166	246.	11556
167	247.	11359
168	248.	21363
169	249.	10485
170	250.	10309
171	251.	10145
172	252.	10465
173	253.	10317
174	254.	10200
175	255.	19380
176	256.	9620.1
177	257.	9987.
178	258.	9964.8
179	259.	19059
180	260.	19032
181	261.	18985
182	262.	9867.1
183	263.	18913
184	264.	9451.8
185	265.	9842.2
186	266.	9871.3
187	267.	9832.6
188	268.	18790
189	269.	18778
190	270.	18782
191	271.	9417.3
192	272.	18959
193	273.	9567.8
194	274.	19276
195	275.	19427
196	276.	9786.5
197	277.	9893.5
198	278.	10401
199	279.	20066
200	280.	40237
201	281.	50235
202	282.	52499
203	283.	50568
204	284.	70951
205	285.	71090
206	286.	71025
207	287.	70993
208	288.	81188
209	289.	61152
210	290.	71942
211	291.	83216
212	292.	84142
213	293.	84720
214	294.	1.0062e+005
215	295.	87003
216	296.	1.0914e+005
217	297.	98535
218	298.	1.2046e+005
219	299.	98324
220	300.	1.0992e+005
221	301.	1.1088e+005
222	302.	1.3368e+005
223	303.	1.3402e+005
224	304.	1.1215e+005
225	305.	1.1335e+005
226	306.	1.4863e+005
227	307.	1.2611e+005
228	308.	1.0269e+005
229	309.	1.1313e+005
230	310.	1.0122e+005

	311.	1.1231e+005
232	312.	1.0081e+005
233	313.	89475
234	314.	1.0019e+005
235	315.	77199
236	316.	87995
237	317.	99104
238	318.	77479
239	319.	66556
240	320.	99240
241	321.	76520
242	322.	76082
243	323.	64920
244	324.	85977
245	325.	85439
246	326.	53040
247	327.	52855
248	328.	52581
249	329.	43905
250	330.	42214
251	331.	31801
252	332.	42282
253	333.	42179
254	334.	42014
255	335.	41894
256	336.	41890
257	337.	42105
258	338.	31655
259	339.	42451
260	340.	31912
261	341.	32066
262	342.	21442
263	343.	32100
264	344.	32075
265	345.	21324
266	346.	31887
267	347.	21058
268	348.	21589
269	349.	30585
270	350.	20136
271	351.	19967
272	352.	19802
273	353.	10172
274	354.	19208
275	355.	19002
276	356.	9790.2
277	357.	18451
278	358.	27344
279	359.	9377.1
280	360.	26640
281	361.	17493
282	362.	17112
283	363.	16845
284	364.	16671
285	365.	16474
286	366.	16232
287	367.	40031
288	368.	15932
289	369.	23948
290	370.	16073
291	371.	16086
292	372.	8332.5
293	373.	23981
294	374.	7988.6
295	375.	16015
296	376.	16131

	377.	8483.2
298	378.	8505.8
299	379.	24516
300	380.	16362
301	381.	16407
302	382.	16420
303	383.	24380
304	384.	24065
305	385.	15876
306	386.	39242
307	387.	23208
308	388.	15860
309	389.	14939
310	390.	29385
311	391.	14485
312	392.	14221
313	393.	13953
314	394.	13744
315	395.	13555
316	396.	13947
317	397.	13122
318	398.	12778
319	399.	12399
320	400.	12070
321	401.	6146.8
322	402.	17311
323	403.	11319
324	404.	11042
325	405.	10782
326	406.	10583
327	407.	10383
328	408.	10152
329	409.	9938.5
330	410.	9790.2
331	411.	9672.4
332	412.	14429
333	413.	9526.5
334	414.	4696.9
335	415.	4813.1
336	416.	4541.
337	417.	13365
338	418.	13164
339	419.	4323.6
340	420.	8453.9
341	421.	4312.8
342	422.	8110.8
343	423.	3980.4
344	424.	11734
345	425.	7662.3
346	426.	3904.5
347	427.	7309.5
348	428.	3571.3
349	429.	6986.4
350	430.	3392.3
351	431.	6571.2
352	432.	6411.8
353	433.	6242.5
354	434.	6100.5
355	435.	2946.5
356	436.	2977.
357	437.	5510.8
358	438.	2766.8
359	439.	3384.8
360	440.	2557.
361	441.	2391.5
362	442.	2325.6

	443.	2274.3
364	444.	2207.7
365	445.	2138.5
366	446.	4122.9
367	447.	3998.
368	448.	3860.3
369	449.	1948.9
370	450.	1888.9
371	451.	1827.7
372	452.	1695.2
373	453.	1655.4
374	454.	1605.9
375	455.	1612.
376	456.	1490.4
377	457.	2899.9
378	458.	1455.1
379	459.	2679.9
380	460.	1303.
381	461.	2507.1
382	462.	1202.4
383	463.	1210.5
384	464.	2274.5
385	465.	2208.9
386	466.	1118.5
387	467.	1081.6
388	468.	1996.8
389	469.	1925.
390	470.	967.6
391	471.	1783.3
392	472.	858.3
393	473.	826.9
394	474.	831.8
395	475.	766.1
396	476.	744.2
397	477.	724.6
398	478.	1409.7
399	479.	720.7
400	480.	1351.5
401	481.	1317.7
402	482.	642.2
403	483.	1239.7
404	484.	631.5
405	485.	591.6
406	486.	607.1
407	487.	562.1
408	488.	377.5
409	489.	530.3
410	490.	518.7
411	491.	527.4
412	492.	489.3
413	493.	1411.4
414	494.	474.5
415	495.	441.8
416	496.	428.9
417	497.	0.
418	498.	414.8
419	499.	404.4
420	500.	393.
421	501.	386.7
422	502.	0.3
423	503.	256.8
424	504.	357.8
425	505.	344.6
426	506.	223.9
427	507.	218.8
428	508.	320.2

	509.	327.6
430	510.	311.8
431	511.	317.9
432	512.	297.
433	513.	191.
434	514.	186.3
435	515.	184.
436	516.	268.7
437	517.	0.
438	518.	263.8
439	519.	171.5
440	520.	254.3
441	521.	167.2
442	522.	166.8
443	523.	0.
444	524.	247.9
445	525.	232.2
446	526.	230.7
447	527.	0.
448	528.	149.8
449	529.	0.
450	530.	218.6
451	531.	0.
452	532.	204.7
453	533.	130.7
454	534.	0.
455	535.	
456	536.	
457	537.	126.4
458	538.	0.
459	539.	121.4
460	540.	121.7
461	541.	0.3
462	542.	0.
463	543.	163.7
464	544.	0.3
465	545.	0.
466	546.	108.3
467	547.	0.3
468	548.	0.
469	549.	
470	550.	94.7
471	551.	0.
472	552.	0.3
473	553.	
474	554.	
475	555.	
476	556.	
477	557.	
478	558.	
479	559.	
480	560.	
481	565.	
	570.	
	575.	
	580.	
	585.	
	590.	
	595.	
	600.	
482	700.	
	800.	
	900.	
	1000.	
	1200.	
	1400.	

483	1600.	
	1800.	
	2000.	
	2200.	
	2400.	
484	2600.	
	2800.	
	3000.	
	3200.	
	3400.	
	3600.	
485	3800.	
	4000.	
	4200.	
	4400.	0.
	4600.	
	4800.	
486	5000.	
	5200.	
	5400.	
	5600.	
	5800.	
	6000.	
487	6200.	
	6400.	
	6600.	
	6800.	
	7000.	
	7200.	

FIGURE 10
Model (H4) > Transient Thermal (H5) > Radiation

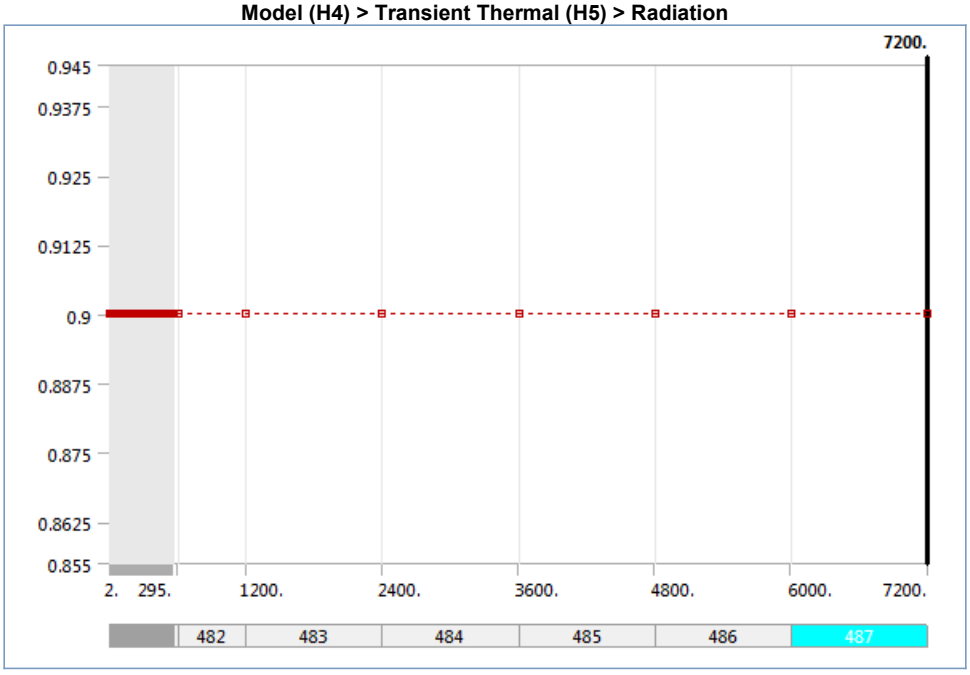


FIGURE 11
Model (H4) > Transient Thermal (H5) > Radiation 8

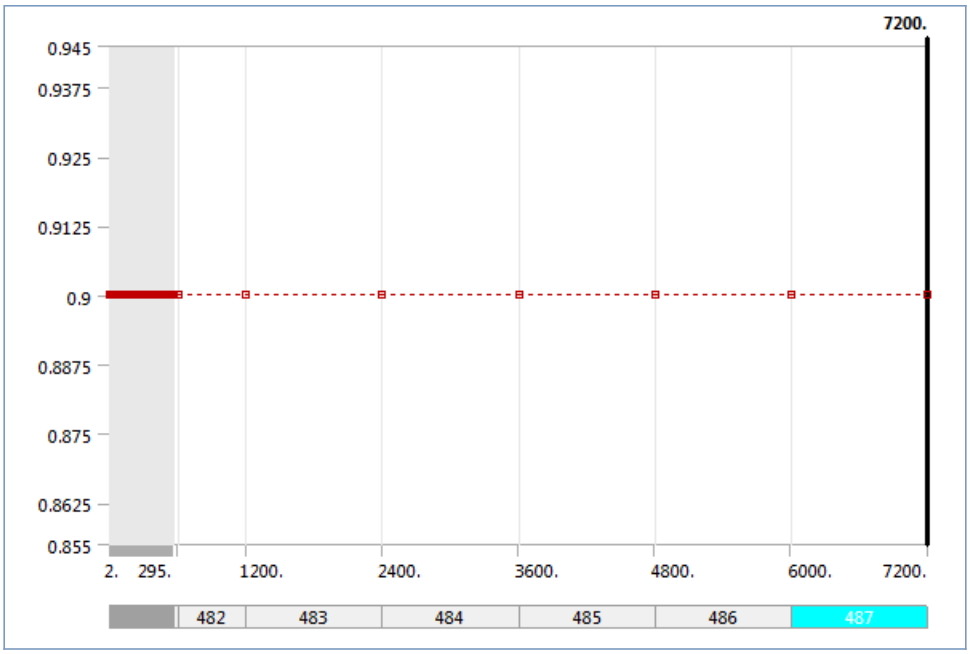


TABLE 22
Model (H4) > Transient Thermal (H5) > Loads

Object Name	*Radiation 9*	*Radiation 10*	*Radiation 11*	*Radiation 12*	*Radiation 13*
State	Fully Defined				
Scope					
Scoping Method	Geometry Selection				
Geometry	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges
Definition					
Type	Radiation				
Correlation	Surface to Surface				To Ambient
Emissivity	0.9 (step applied)				1. (step applied)
Enclosure	2.				
Enclosure Type	Perfect				
Suppressed	No				
Ambient Temperature					16.85 °C (step applied)

FIGURE 12
Model (H4) > Transient Thermal (H5) > Radiation 9

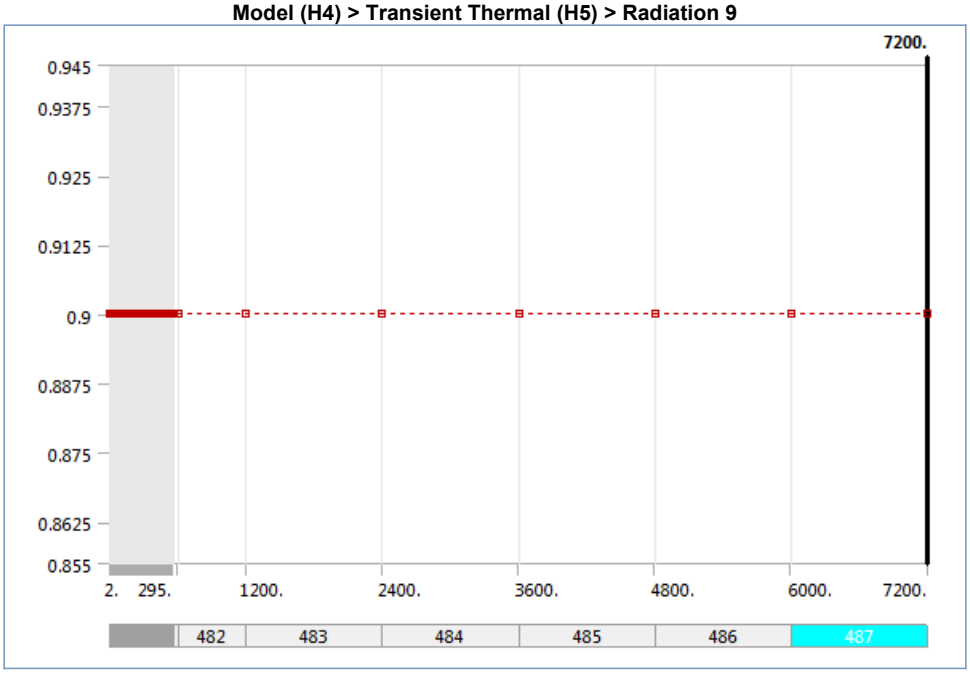


FIGURE 13
Model (H4) > Transient Thermal (H5) > Radiation 10

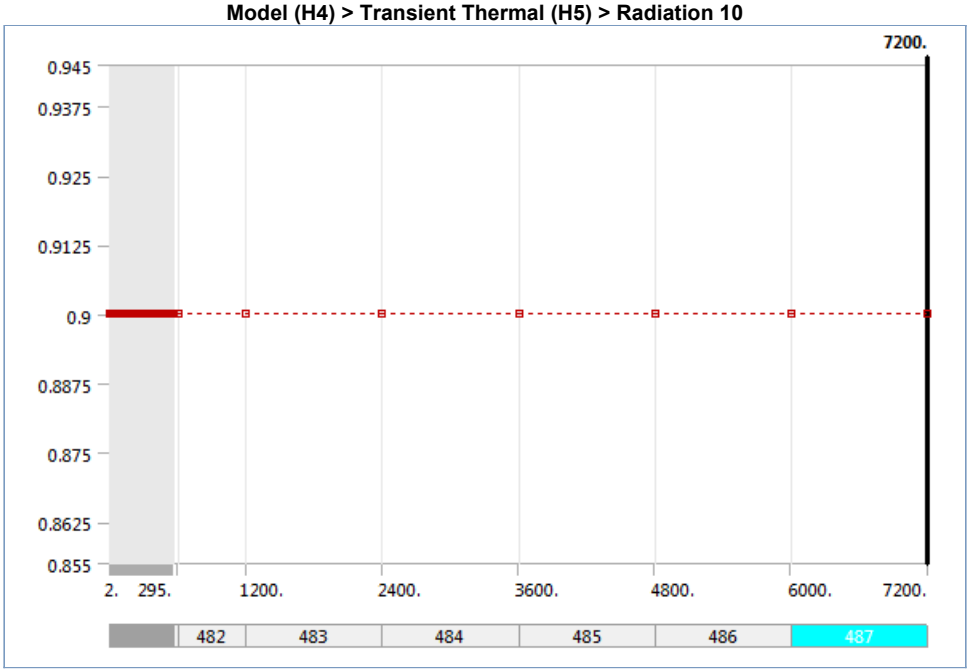


FIGURE 14
Model (H4) > Transient Thermal (H5) > Radiation 11

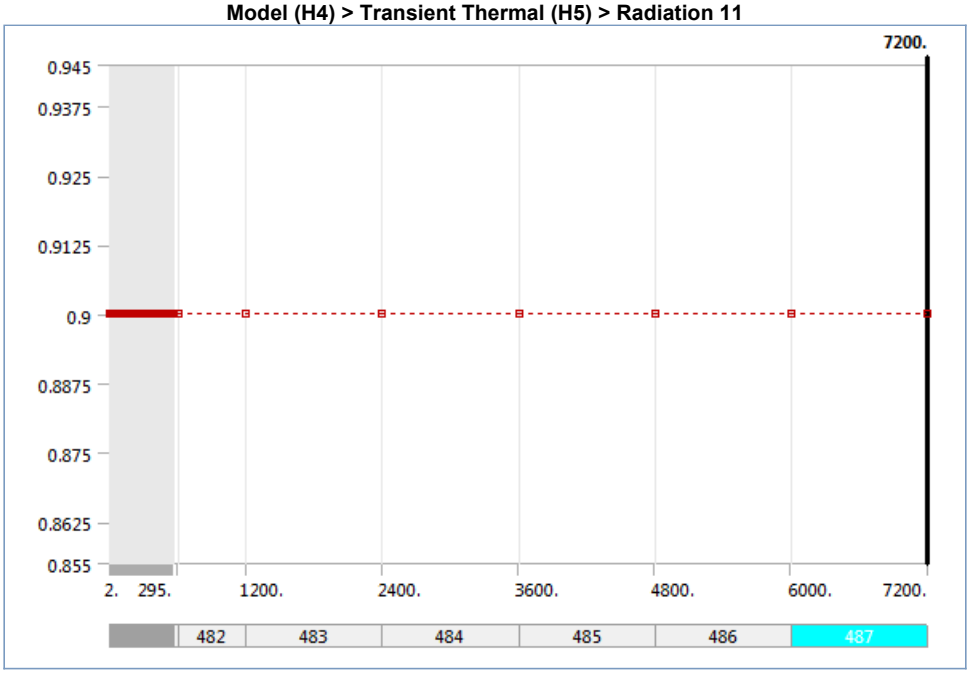


FIGURE 15
Model (H4) > Transient Thermal (H5) > Radiation 12

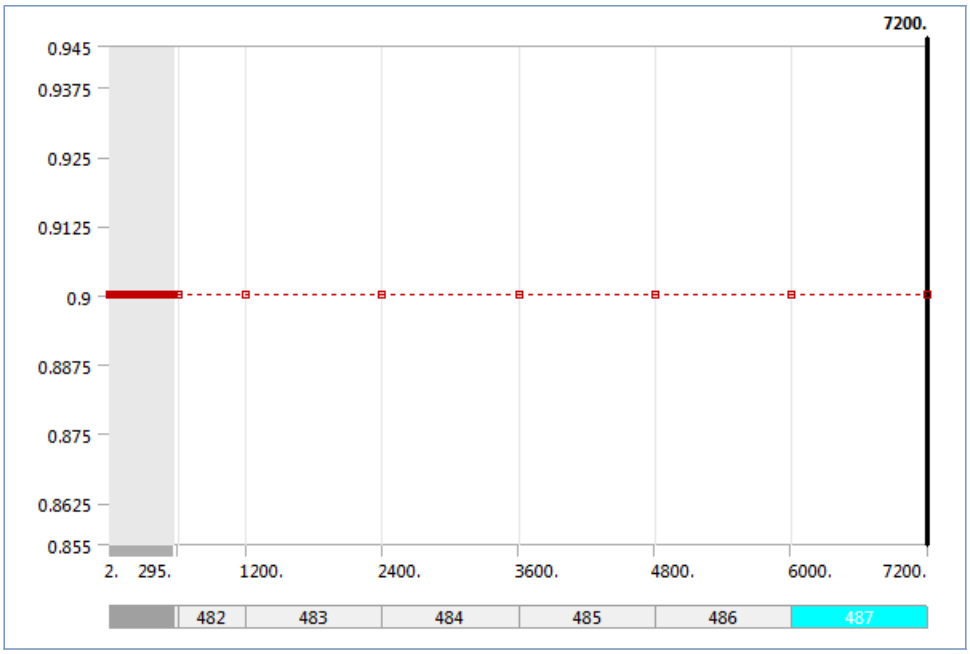
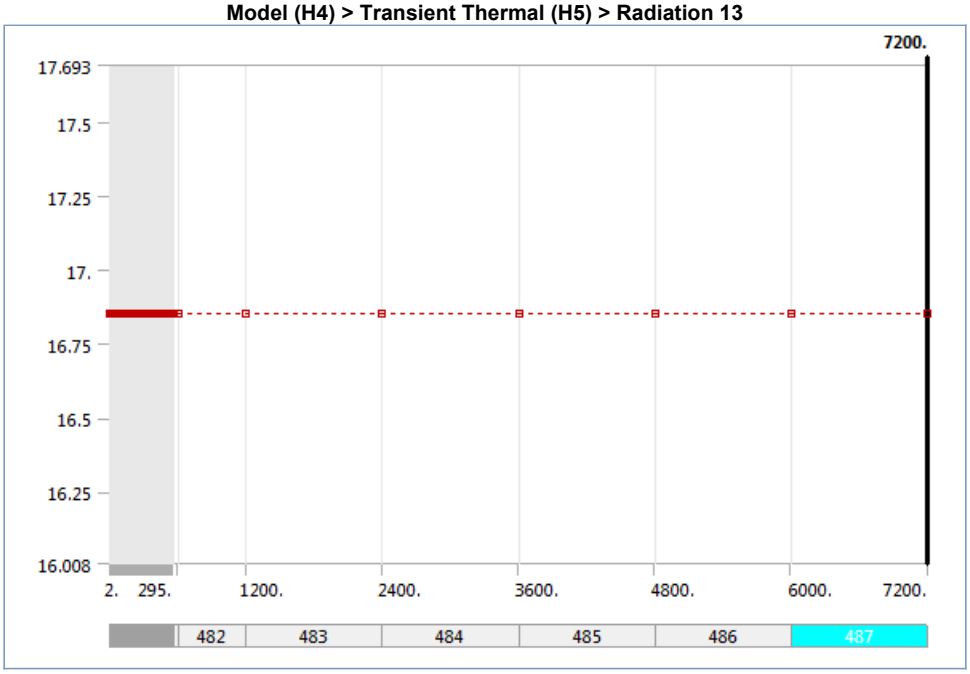


FIGURE 16
Model (H4) > Transient Thermal (H5) > Radiation 13



Solution (H6)

TABLE 23
Model (H4) > Transient Thermal (H5) > Solution

Object Name	*Solution (H6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	29 m 41 s
MAPDL Memory Used	2.5439 GB
MAPDL Result File Size	4.8585 GB
Post Processing	

Calculate Beam Section Results	No

TABLE 24
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 25
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	24.01 °C	-5.5622 °C
Maximum	477.29 °C	16.85 °C

FIGURE 17
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information > Temperature - Global Maximum

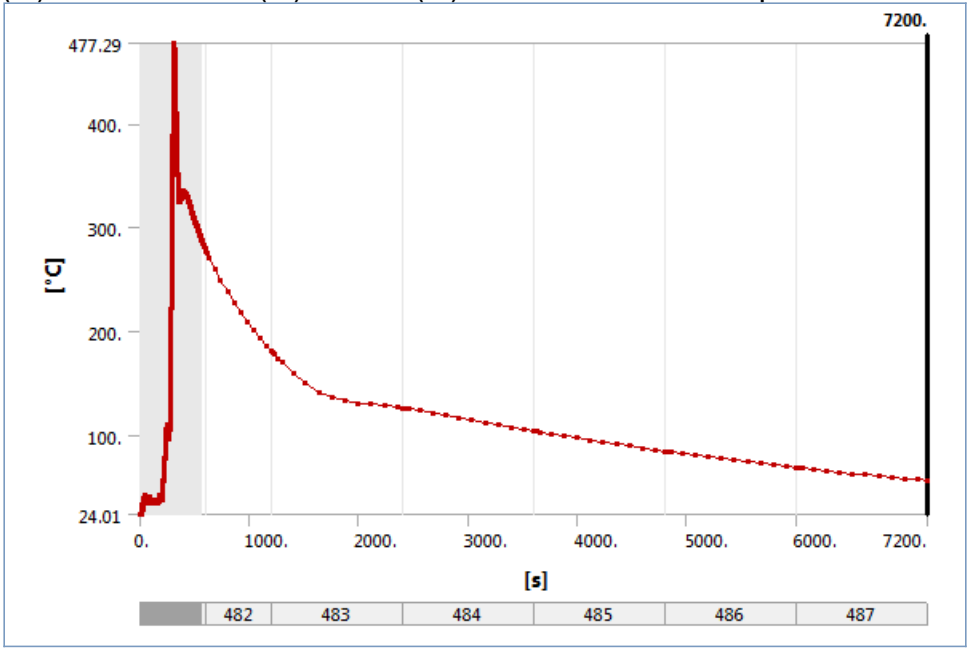


FIGURE 18
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information > Temperature - Global Minimum

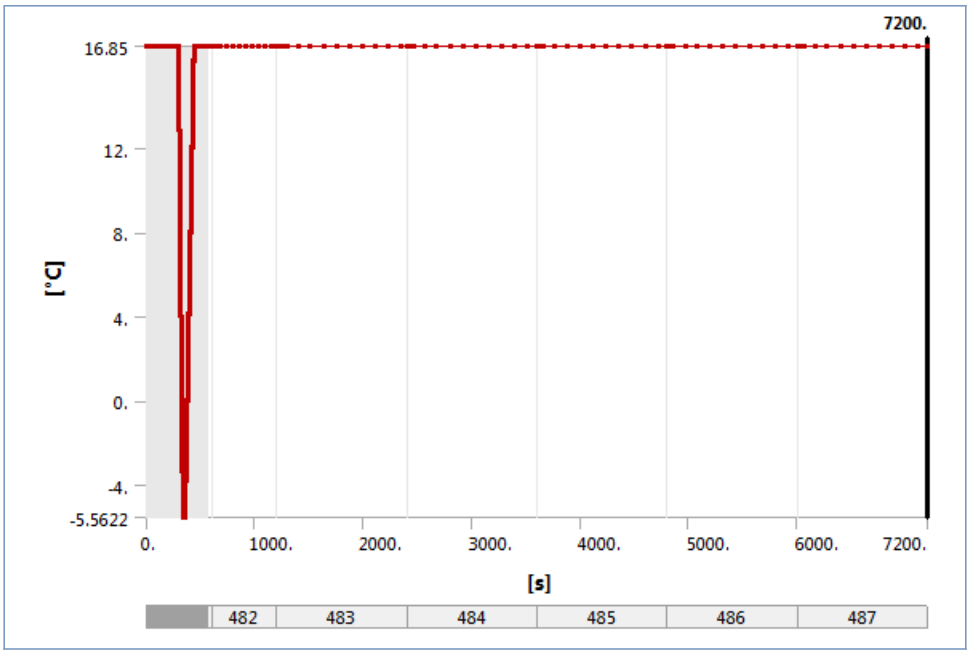


TABLE 26
Model (H4) > Transient Thermal (H5) > Solution (H6) > Results

Object Name	*Overall T*	*Drum Content T*	*Drum T*	*SWB T*	*Permacon T*
State	Solved				
Scope					
Scoping Method	Geometry Selection				
Geometry	All Bodies	1 Face	6 Faces	5 Faces	4 Faces
Definition					
Type	Temperature				
By	Time				
Display Time	2548. s	Last			
Calculate Time History	Yes				
Identifier					
Suppressed	No				
Results					
Minimum	22.25 °C	23.912 °C	28.959 °C	33.995 °C	21.63 °C
Maximum	123.83 °C	41.127 °C	54.175 °C	47.963 °C	35.292 °C
Minimum Occurs On	Surface Body				
Maximum Occurs On	Surface Body				
Minimum Value Over Time					
Minimum	-5.5622 °C	23.884 °C	23.89 °C		21.594 °C
Maximum	22.25 °C	23.912 °C	29.153 °C	46.134 °C	56.101 °C
Maximum Value Over Time					
Minimum	24.01 °C	23.89 °C			23.985 °C
Maximum	477.29 °C	61.146 °C	131.11 °C	144.77 °C	477.29 °C
Information					
Time	2548. s	7200. s			
Load Step	484	487			
Substep	4	13			
Iteration Number	6346	6434			

FIGURE 19
Model (H4) > Transient Thermal (H5) > Solution (H6) > Overall T

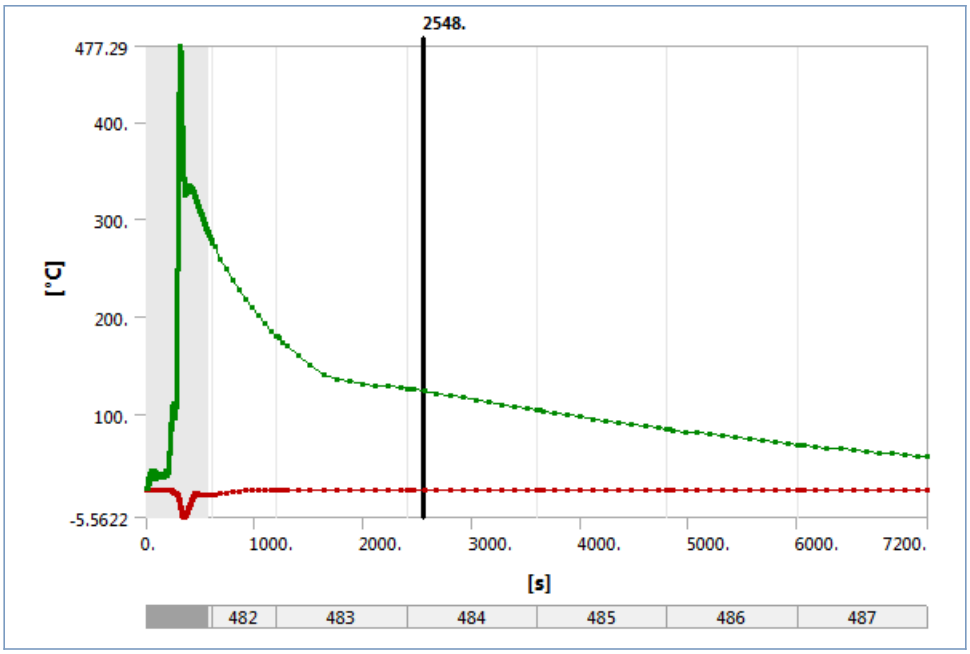


TABLE 27
Model (H4) > Transient Thermal (H5) > Solution (H6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		24.13
0.1		
0.28		24.128
0.48		24.125
0.68		24.123
0.88		24.122
1.08		24.12
1.28		24.118
1.48		24.117
1.68		24.115
1.88		24.114
2.		
2.02		24.112
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		
4.02		24.095
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088
5.08		24.086
5.28		24.084
5.48		24.083
5.68		24.081
5.88		24.079

6.	
6.02	24.078
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.066
7.68	24.064
7.88	24.062
8.	
8.02	24.061
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.055
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.049
9.68	24.047
9.88	24.045
10.	
10.02	24.044
10.04	
10.1	
10.28	24.042
10.48	24.04
10.68	24.039
10.88	24.037
11.08	24.036
11.28	24.034
11.48	24.032
11.68	24.031
11.88	24.029
12.	
12.02	24.028
12.04	
12.1	24.027
12.28	24.026
12.48	24.024
12.68	24.022
12.88	24.021
13.08	24.019
13.28	24.018
13.48	24.016
13.68	24.014
13.88	24.013
14.	24.012
14.02	
14.04	24.011
14.1	
14.22	24.01
14.33	24.077
14.441	24.242
14.641	24.623
14.841	25.077
15.041	25.607
15.241	26.191
15.441	26.825
15.641	27.504
15.841	28.226

16.	28.827
16.02	28.9
16.04	28.971
16.1	29.169
16.28	29.682
16.48	30.185
16.68	30.641
16.88	31.061
17.08	31.452
17.28	31.819
17.48	32.165
17.68	32.493
17.88	32.806
18.	32.988
18.02	33.016
18.04	33.041
18.1	33.098
18.28	33.152
18.48	33.105
18.68	32.97
18.88	32.762
19.08	32.487
19.28	32.153
19.48	31.765
19.68	31.326
19.87	30.867
20.	30.534
20.02	30.487
20.04	30.444
20.1	30.345
20.28	30.213
20.48	30.209
20.68	30.313
20.88	30.503
21.08	30.767
21.28	31.095
21.48	31.479
21.68	31.915
21.88	32.397
22.	32.703
22.02	32.75
22.04	32.793
22.1	32.895
22.28	33.052
22.48	33.095
22.68	33.04
22.88	32.905
23.08	32.701
23.28	32.438
23.48	32.122
23.68	31.757
23.861	31.39
24.	31.089
24.02	31.047
24.04	31.007
24.1	30.899
24.28	30.636
24.48	30.391
24.68	30.179
24.88	29.992
25.08	29.823
25.28	29.671
25.48	29.53
25.68	29.401
25.88	29.281
26.	29.212

	29.202
26.04	29.194
26.1	29.184
26.224	29.204
26.424	29.316
26.615	29.48
26.805	29.693
27.005	29.963
27.205	30.276
27.405	30.627
27.605	31.012
27.805	31.431
28.	31.868
28.02	31.911
28.04	31.953
28.1	32.068
28.28	32.359
28.48	32.638
28.68	32.886
28.88	33.11
29.08	33.316
29.28	33.507
29.48	33.684
29.68	33.851
29.88	34.008
30.	34.099
30.02	34.116
30.04	34.134
30.1	34.2
30.28	34.464
30.48	34.816
30.68	35.214
30.88	35.651
31.08	36.121
31.28	36.622
31.48	37.15
31.68	37.703
31.88	38.281
32.	38.635
32.02	38.691
32.04	38.744
32.1	38.881
32.28	39.168
32.48	39.377
32.68	39.503
32.88	39.56
33.08	39.557
33.28	39.503
33.48	39.402
33.68	39.259
33.88	39.077
34.	38.954
34.02	38.934
34.04	38.913
34.1	38.847
34.28	38.627
34.48	38.355
34.68	38.055
34.88	37.73
35.08	37.379
35.28	37.005
35.48	36.608
35.68	36.188
35.88	35.747
36.	35.475
36.02	35.432

	35.393
36.1	35.296
36.28	35.126
36.48	35.042
36.68	35.039
36.88	35.102
37.08	35.221
37.28	35.39
37.48	35.603
37.68	35.856
37.88	36.146
38.	36.332
38.02	36.362
38.04	36.39
38.1	36.468
38.28	36.663
38.48	36.849
38.68	37.016
38.88	37.169
39.08	37.311
39.28	37.445
39.48	37.573
39.68	37.695
39.88	37.814
40.	37.884
40.02	37.897
40.04	37.911
40.1	37.965
40.28	38.19
40.48	38.496
40.68	38.846
40.88	39.234
41.08	39.656
41.28	40.108
41.48	40.587
41.68	41.092
41.88	41.621
42.	41.947
42.02	41.996
42.04	42.041
42.1	42.144
42.28	42.264
42.48	42.231
42.68	42.067
42.88	41.794
43.08	41.428
43.28	40.979
43.48	40.455
43.68	39.863
43.872	39.234
44.	38.792
44.02	38.726
44.04	38.662
44.1	38.488
44.28	38.06
44.48	37.659
44.68	37.308
44.88	36.996
45.08	36.714
45.28	36.457
45.48	36.219
45.68	35.998
45.88	35.792
46.	35.673
46.02	35.655
46.04	35.639

	35.604
46.28	35.583
46.48	35.636
46.68	35.751
46.88	35.92
47.08	36.135
47.28	36.393
47.48	36.69
47.68	37.023
47.88	37.389
48.	37.62
48.02	37.655
48.04	37.687
48.1	37.762
48.28	37.862
48.48	37.867
48.68	37.79
48.88	37.648
49.08	37.45
49.28	37.203
49.48	36.912
49.68	36.582
49.88	36.216
50.	35.985
50.02	35.949
50.04	35.917
50.1	35.843
50.28	35.745
50.48	35.744
50.68	35.826
50.88	35.975
51.08	36.181
51.28	36.437
51.48	36.737
51.68	37.078
51.88	37.456
52.	37.696
52.02	37.732
52.04	37.766
52.1	37.843
52.28	37.949
52.48	37.957
52.68	37.882
52.88	37.74
53.08	37.54
53.28	37.29
53.48	36.995
53.68	36.66
53.877	36.294
54.	36.051
54.02	36.015
54.04	35.983
54.1	35.907
54.28	35.809
54.48	35.817
54.68	35.92
54.88	36.084
55.08	36.298
55.28	36.555
55.48	36.852
55.68	37.198
55.88	37.589
56.	37.836
56.02	37.875
56.04	37.914
56.1	38.018

	38.281
56.48	38.533
56.68	38.757
56.88	38.96
57.08	39.147
57.28	39.321
57.48	39.484
57.68	39.638
57.88	39.785
58.	39.87
58.02	39.884
58.04	39.898
58.1	39.94
58.28	40.06
58.48	40.189
58.68	40.312
58.88	40.432
59.08	40.547
59.28	40.66
59.48	40.769
59.68	40.875
59.88	40.979
60.	41.04
60.02	41.048
60.04	41.055
60.1	41.061
60.28	41.
60.48	40.858
60.68	40.657
60.88	40.406
61.08	40.111
61.28	39.776
61.48	39.405
61.68	39.
61.88	38.563
62.	38.29
62.02	38.246
62.04	38.204
62.1	38.087
62.28	37.793
62.48	37.51
62.68	37.259
62.88	37.057
63.08	36.881
63.28	36.719
63.48	36.567
63.68	36.424
63.88	36.288
64.	36.21
64.02	36.199
64.04	36.19
64.1	36.175
64.28	36.213
64.48	36.325
64.68	36.495
64.88	36.711
65.08	36.968
65.28	37.262
65.48	37.59
65.68	37.949
65.88	38.338
66.	38.581
66.02	38.618
66.04	38.652
66.1	38.73
66.28	38.835

	38.844
66.68	38.779
66.88	38.653
67.08	38.466
67.28	38.229
67.48	37.96
67.68	37.655
67.864	37.346
68.	37.103
68.02	37.069
68.04	37.036
68.1	36.948
68.28	36.736
68.48	36.539
68.68	36.367
68.88	36.213
69.08	36.073
69.28	35.943
69.48	35.822
69.68	35.708
69.88	35.6
70.	35.537
70.02	35.526
70.04	35.516
70.1	35.485
70.28	35.397
70.48	35.303
70.68	35.213
70.88	35.126
71.08	35.042
71.28	34.96
71.48	34.882
71.68	34.806
71.88	34.732
72.	34.688
72.02	34.681
72.04	34.673
72.1	34.652
72.28	34.589
72.48	34.521
72.68	34.454
72.88	34.389
73.08	34.326
73.28	34.264
73.48	34.203
73.68	34.144
73.88	34.086
74.	34.051
74.02	34.047
74.04	34.046
74.1	34.054
74.22	34.112
74.42	34.286
74.603	34.496
74.787	34.748
74.987	35.067
75.187	35.423
75.387	35.814
75.587	36.237
75.787	36.69
75.893	36.94
76.	37.197
76.02	37.244
76.04	37.289
76.1	37.413
76.28	37.725

	38.026
76.68	38.297
76.88	38.546
77.08	38.777
77.28	38.995
77.48	39.202
77.68	39.408
77.88	39.621
78.	39.746
78.02	39.767
78.04	39.787
78.1	39.848
78.28	40.024
78.48	40.212
78.68	40.394
78.88	40.57
79.08	40.741
79.28	40.906
79.48	41.068
79.68	41.225
79.88	41.378
80.	41.469
80.02	41.482
80.04	41.493
80.1	41.511
80.28	41.476
80.48	41.355
80.68	41.169
80.88	40.926
81.08	40.633
81.28	40.296
81.48	39.918
81.68	39.502
81.88	39.051
82.	38.768
82.02	38.722
82.04	38.679
82.1	38.558
82.28	38.286
82.48	38.044
82.68	37.832
82.88	37.643
83.08	37.471
83.28	37.313
83.48	37.166
83.68	37.028
83.88	36.899
84.	36.824
84.02	36.812
84.04	36.8
84.1	36.763
84.28	36.659
84.48	36.549
84.68	36.444
84.88	36.344
85.08	36.248
85.28	36.155
85.48	36.066
85.68	35.981
85.88	35.898
86.	35.849
86.02	35.841
86.04	35.833
86.1	35.809
86.28	35.74
86.48	35.665

	35.592
86.88	35.521
87.08	35.452
87.28	35.386
87.48	35.32
87.68	35.257
87.88	35.195
88.	35.158
88.02	35.152
88.04	35.146
88.1	35.128
88.28	35.074
88.48	35.016
88.68	34.96
88.88	34.904
89.08	34.85
89.28	34.796
89.48	34.744
89.68	34.692
89.88	34.642
90.	34.612
90.02	34.607
90.04	34.602
90.1	34.587
90.28	34.543
90.48	34.495
90.68	34.447
90.88	34.429
91.08	34.424
91.28	34.42
91.48	34.415
91.68	34.41
91.88	34.405
92.	34.402
92.02	
92.04	34.401
92.1	34.4
92.22	34.422
92.42	34.479
92.602	34.697
92.784	34.987
92.984	35.353
93.184	35.761
93.384	36.206
93.584	36.686
93.784	37.198
93.892	37.484
94.	37.778
94.02	37.829
94.04	37.875
94.1	37.987
94.28	38.167
94.48	38.239
94.68	38.216
94.88	38.118
95.08	37.956
95.28	37.739
95.48	37.474
95.68	37.164
95.834	36.901
95.917	36.752
96.	36.596
96.02	36.561
96.04	36.527
96.1	36.437
96.28	36.228

96.48	36.04
96.68	35.881
96.88	35.741
97.08	35.617
97.28	35.504
97.48	35.401
97.68	35.304
97.88	35.214
98.	35.163
98.02	35.154
98.04	35.145
98.1	35.12
98.28	35.049
98.48	34.973
98.68	34.956
98.88	34.95
99.08	34.945
99.28	34.94
99.48	34.935
99.68	34.93
99.88	34.925
100.	34.922
100.02	34.921
100.04	
100.1	34.919
100.28	34.915
100.48	34.91
100.68	34.905
100.88	34.901
101.08	34.896
101.28	34.892
101.48	34.887
101.68	34.882
101.88	34.878
102.	34.875
102.02	
102.04	34.874
102.09	34.873
102.2	34.892
102.4	34.951
102.57	35.012
102.74	35.083
102.94	35.241
103.14	35.672
103.34	36.145
103.54	36.655
103.74	37.201
103.87	37.574
104.	37.96
104.02	38.014
104.04	38.065
104.1	38.186
104.28	38.384
104.48	38.467
104.68	38.449
104.88	38.35
105.08	38.183
105.28	37.958
105.48	37.681
105.68	37.356
105.83	37.08
105.92	36.923
106.	36.759
106.02	36.722
106.04	36.686
106.1	36.592

106.28	36.374
106.48	36.179
106.68	36.015
106.88	35.872
107.08	35.745
107.28	35.63
107.48	35.525
107.68	35.512
107.88	35.506
108.	35.503
108.02	35.502
108.04	
108.1	35.5
108.28	35.495
108.48	35.49
108.68	35.485
108.88	35.479
109.08	35.474
109.28	35.469
109.48	35.464
109.68	35.459
109.88	35.455
110.	35.452
110.02	35.451
110.04	
110.1	35.449
110.28	35.445
110.48	35.44
110.68	35.436
110.88	35.431
111.08	35.427
111.28	35.422
111.48	35.418
111.68	35.413
111.88	35.409
112.	35.406
112.02	
112.04	35.405
112.1	35.404
112.28	35.4
112.48	35.396
112.68	35.392
112.88	35.388
113.08	35.383
113.28	35.379
113.48	35.375
113.68	35.371
113.88	35.367
114.	35.365
114.02	35.364
114.04	
114.08	35.363
114.16	35.372
114.33	35.417
114.47	35.463
114.61	35.515
114.81	35.603
115.01	35.702
115.21	35.81
115.41	36.155
115.61	36.685
115.81	37.25
116.	37.818
116.02	37.873
116.04	37.924
116.1	38.047

116.28	38.25
116.48	38.339
116.68	38.325
116.88	38.231
117.08	38.07
117.28	37.849
117.48	37.576
117.68	37.256
117.83	36.987
117.92	36.83
118.	36.666
118.02	36.629
118.04	36.594
118.1	36.501
118.28	36.287
118.48	36.096
118.68	36.054
118.88	36.041
119.08	36.032
119.28	36.023
119.48	36.016
119.68	36.009
119.88	36.004
120.	36.001
120.02	36.
120.04	35.999
120.1	35.998
120.28	35.993
120.48	35.988
120.68	35.983
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121.08	35.974
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121.48	35.965
121.68	35.96
121.88	35.956
122.	35.954
122.02	35.953
122.04	
122.1	35.951
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122.88	35.936
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123.28	35.928
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123.68	35.92
123.88	35.916
124.	35.914
124.02	
124.04	35.913
124.1	35.912
124.28	35.909
124.48	35.905
124.68	35.902
124.88	35.898
125.08	35.894
125.28	35.891
125.48	35.887
125.68	35.884
125.88	35.88
126.	35.878
126.02	
126.04	
126.1	35.877

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126.48	35.87
126.68	35.867
126.88	35.864
127.08	35.86
127.28	35.857
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127.68	35.851
127.88	35.848
128.	35.846
128.02	35.845
128.04	
128.1	35.844
128.28	35.841
128.48	35.838
128.68	35.835
128.88	35.832
129.08	35.829
129.28	35.826
129.48	35.823
129.68	35.82
129.88	35.817
130.	35.815
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130.1	35.814
130.28	35.811
130.48	35.808
130.68	35.806
130.88	35.803
131.08	35.8
131.28	35.797
131.48	35.794
131.68	35.792
131.88	35.789
132.	35.787
132.02	
132.04	
132.1	35.786
132.28	35.783
132.48	35.781
132.68	35.778
132.88	35.775
133.08	35.772
133.28	35.77
133.48	35.767
133.68	35.765
133.88	35.762
134.	35.76
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134.04	
134.1	35.759
134.28	35.757
134.48	35.754
134.68	35.752
134.88	35.749
135.08	35.747
135.28	35.744
135.48	35.742
135.68	35.739
135.88	35.737
136.	35.735
136.02	
136.04	
136.1	35.734
136.28	35.732

136.48	35.729
136.68	35.727
136.88	35.724
137.08	35.722
137.28	35.719
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137.68	35.715
137.88	35.712
138.	35.711
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138.04	35.71
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138.28	35.707
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138.88	35.7
139.08	35.698
139.28	35.695
139.48	35.693
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139.88	35.687
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140.02	
140.04	35.685
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141.08	35.671
141.28	35.669
141.48	35.666
141.68	35.663
141.88	35.661
142.	35.659
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142.1	35.658
142.28	35.655
142.48	35.653
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142.88	35.648
143.08	35.645
143.28	35.643
143.48	35.64
143.68	35.638
143.88	35.636
144.	35.634
144.02	
144.04	
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144.28	35.631
144.48	35.629
144.68	35.627
144.88	35.625
145.08	35.623
145.28	35.62
145.48	35.618
145.68	35.616
145.88	35.614
146.	35.613
146.02	
146.04	35.612
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146.28	35.61
146.48	35.608

146.68	35.606
146.88	35.603
147.08	35.601
147.28	35.599
147.48	35.597
147.68	35.594
147.88	35.592
148.	35.59
148.02	
148.04	
148.1	35.589
148.28	35.587
148.48	35.584
148.68	35.582
148.88	35.58
149.08	35.577
149.28	35.575
149.48	35.572
149.68	35.57
149.88	35.567
150.	35.566
150.02	35.565
150.04	
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150.68	35.557
150.88	35.555
151.08	35.552
151.28	35.55
151.48	35.547
151.68	35.545
151.88	35.542
152.	35.541
152.02	
152.04	35.54
152.1	
152.28	35.537
152.48	35.535
152.68	35.532
152.88	35.53
153.08	35.527
153.28	35.525
153.48	35.522
153.68	35.52
153.88	35.517
154.	35.516
154.02	35.515
154.04	
154.1	35.514
154.28	35.512
154.48	35.509
154.68	35.507
154.88	35.504
155.08	35.502
155.28	35.499
155.48	35.497
155.68	35.494
155.88	35.492
156.	35.49
156.02	
156.04	
156.1	35.489
156.28	35.487
156.48	35.484
156.68	35.481

156.88	35.479
157.08	35.511
157.18	35.576
157.27	35.662
157.37	35.763
157.55	36.013
157.75	36.325
157.88	36.533
158.	37.019
158.02	37.171
158.04	37.309
158.1	37.622
158.28	37.988
158.48	37.908
158.68	37.457
158.82	36.974
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159.02	36.405
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160.	36.147
160.01	36.146
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160.94	36.101
161.	36.099
161.01	
161.02	
161.05	36.098
161.14	36.096
161.24	36.094
161.34	36.092
161.44	36.09
161.54	36.088
161.64	36.086
161.74	36.084
161.84	36.082
161.94	36.08
162.	36.078
162.01	
162.02	
162.05	36.077
162.14	36.075
162.24	36.073
162.34	36.071
162.44	36.069
162.54	36.067
162.64	36.065
162.74	36.063
162.84	36.061
162.94	36.059
163.	36.058
163.01	
163.02	36.057
163.05	

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163.24	36.053
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163.44	36.049
163.54	36.047
163.64	36.045
163.74	36.043
163.84	36.041
163.94	36.039
164.	36.038
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164.44	36.029
164.54	36.027
164.64	36.025
164.74	36.023
164.84	36.022
164.94	36.02
165.	36.018
165.01	
165.02	
165.05	
165.14	36.016
165.24	36.014
165.34	36.012
165.44	36.01
165.54	36.008
165.64	36.006
165.74	36.005
165.84	36.003
165.94	36.001
166.	36.
166.01	35.999
166.02	
166.05	
166.14	35.997
166.24	35.995
166.34	35.993
166.44	35.992
166.54	35.99
166.64	35.988
166.74	35.986
166.84	35.984
166.94	35.982
167.	35.981
167.01	
167.02	
167.05	35.98
167.14	35.979
167.24	35.977
167.34	35.975
167.44	35.973
167.54	35.972
167.64	35.97
167.74	35.968
167.84	35.966
167.94	35.965
168.	35.964
168.01	35.963
168.02	
168.05	
168.14	35.961

168.24	35.959
168.34	35.958
168.44	35.956
168.54	35.954
168.64	35.952
168.74	35.951
168.84	35.949
168.94	35.947
169.	35.946
169.01	
169.02	
169.03	
169.06	35.945
169.11	35.969
169.2	36.054
169.3	36.16
169.4	36.283
169.5	36.422
169.6	36.574
169.7	36.738
169.8	36.914
169.9	37.232
170.	38.108
170.01	38.194
170.02	38.276
170.05	38.49
170.14	38.914
170.24	39.184
170.34	39.295
170.44	39.275
170.54	39.143
170.64	38.913
170.74	38.596
170.84	38.198
170.94	37.737
171.	37.42
171.01	37.371
171.02	37.323
171.05	37.192
171.14	36.876
171.24	36.821
171.34	36.784
171.44	36.753
171.54	36.727
171.64	36.706
171.74	36.689
171.84	36.674
171.94	36.662
172.	36.655
172.01	36.654
172.02	36.653
172.05	36.651
172.14	36.643
172.24	36.636
172.34	36.63
172.44	36.625
172.54	36.62
172.64	36.616
172.74	36.612
172.84	36.61
172.94	36.607
173.	36.605
173.01	
173.02	36.604
173.05	
173.14	36.601

173.24	36.599
173.34	36.596
173.44	36.594
173.54	36.591
173.64	36.589
173.74	36.587
173.84	36.584
173.94	36.582
174.	36.58
174.01	
174.02	
174.05	36.579
174.14	36.577
174.24	36.575
174.34	36.572
174.44	36.57
174.54	36.568
174.64	36.565
174.74	36.563
174.84	36.561
174.94	36.558
175.	36.557
175.01	
175.02	36.556
175.03	
175.06	
175.12	36.591
175.17	36.636
175.25	36.716
175.35	36.832
175.45	36.963
175.55	37.109
175.65	37.267
175.75	37.454
175.85	38.272
175.95	39.144
176.	39.554
176.01	39.64
176.02	39.721
176.05	39.931
176.14	40.345
176.24	40.603
176.34	40.702
176.44	40.669
176.54	40.525
176.64	40.282
176.74	39.951
176.84	39.54
176.94	39.066
177.	38.741
177.01	38.69
177.02	38.641
177.05	38.506
177.14	38.179
177.24	37.88
177.34	37.627
177.44	37.408
177.54	37.328
177.64	37.307
177.74	37.289
177.84	37.274
177.94	37.261
178.	37.254
178.01	37.253
178.02	37.252
178.05	37.249

178.14	37.241
178.24	37.234
178.34	37.227
178.44	37.221
178.54	37.216
178.64	37.211
178.74	37.207
178.84	37.203
178.94	37.2
179.	37.198
179.01	
179.02	37.197
179.05	37.196
179.14	37.193
179.24	37.19
179.34	37.187
179.44	37.184
179.54	37.182
179.64	37.179
179.74	37.176
179.84	37.173
179.94	37.17
180.	37.169
180.01	37.168
180.02	
180.04	
180.07	37.176
180.14	37.224
180.21	37.281
180.27	37.347
180.37	37.464
180.47	37.598
180.57	37.745
180.67	38.102
180.77	38.859
180.87	39.673
180.94	40.219
181.	40.788
181.01	40.872
181.02	40.952
181.05	41.158
181.14	41.562
181.24	41.809
181.34	41.897
181.44	41.854
181.54	41.7
181.64	41.448
181.74	41.108
181.84	40.689
181.94	40.205
182.	39.877
182.01	39.825
182.02	39.775
182.05	39.638
182.14	39.304
182.24	38.997
182.34	38.736
182.44	38.508
182.54	38.307
182.64	38.127
182.74	37.963
182.84	37.872
182.94	37.859
183.	37.852
183.01	37.851
183.02	37.85

183.05	37.846
183.14	37.838
183.24	37.83
183.34	37.823
183.44	37.817
183.54	37.811
183.64	37.806
183.74	37.801
183.84	37.797
183.94	37.793
184.	37.791
184.01	
184.02	37.79
184.05	37.789
184.14	37.786
184.24	37.782
184.34	37.779
184.44	37.776
184.54	37.772
184.64	37.769
184.74	37.766
184.84	37.762
184.94	37.759
185.	37.757
185.01	
185.02	
185.05	37.756
185.14	37.753
185.24	37.75
185.34	37.747
185.44	37.743
185.54	37.74
185.64	37.737
185.74	37.734
185.84	37.731
185.94	37.728
186.	37.726
186.01	
186.02	
186.05	37.725
186.14	37.722
186.24	37.719
186.34	37.716
186.44	37.713
186.54	37.71
186.64	37.707
186.74	37.704
186.84	37.702
186.94	37.699
187.	37.697
187.01	
187.02	37.696
187.05	37.695
187.14	37.693
187.24	37.69
187.34	37.687
187.44	37.684
187.54	37.682
187.64	37.679
187.74	37.676
187.84	37.673
187.94	37.671
188.	37.669
188.01	
188.02	37.668
188.03	

188.06	37.667
188.12	37.707
188.19	37.756
188.27	37.845
188.37	37.963
188.47	38.097
188.57	38.245
188.67	38.405
188.77	38.833
188.87	39.661
188.94	40.206
189.	40.772
189.01	40.857
189.02	40.938
189.05	41.148
189.14	41.56
189.24	41.817
189.34	41.915
189.44	41.881
189.54	41.735
189.64	41.491
189.74	41.158
189.84	40.746
189.94	40.273
190.	39.945
190.01	39.894
190.02	39.845
190.05	39.709
190.14	39.381
190.24	39.08
190.34	38.825
190.44	38.604
190.54	38.427
190.64	38.405
190.74	38.386
190.84	38.371
190.94	38.358
191.	38.351
191.01	38.35
191.02	38.349
191.05	38.346
191.14	38.338
191.24	38.33
191.34	38.323
191.44	38.317
191.54	38.312
191.64	38.307
191.74	38.302
191.84	38.298
191.94	38.295
192.	38.293
192.01	38.292
192.02	
192.05	38.291
192.14	38.288
192.24	38.284
192.34	38.281
192.44	38.278
192.54	38.275
192.64	38.271
192.74	38.268
192.84	38.265
192.94	38.262
193.	38.26
193.01	
193.02	

193.05	38.259
193.14	38.256
193.24	38.253
193.34	38.25
193.44	38.247
193.54	38.244
193.64	38.241
193.74	38.238
193.84	38.235
193.94	38.232
194.	38.23
194.01	
194.02	38.229
194.05	38.228
194.14	38.226
194.24	38.223
194.34	38.22
194.44	38.217
194.54	38.214
194.64	38.211
194.74	38.208
194.84	38.206
194.94	38.203
195.	38.201
195.01	
195.02	
195.05	38.2
195.14	38.197
195.24	38.194
195.34	38.192
195.44	38.189
195.54	38.186
195.64	38.183
195.74	38.181
195.84	38.178
195.94	38.175
196.	38.174
196.01	38.173
196.02	
196.05	38.172
196.14	38.17
196.24	38.167
196.34	38.165
196.44	38.162
196.54	38.159
196.64	38.157
196.74	38.154
196.84	38.152
196.94	38.149
197.	38.148
197.01	38.147
197.02	
197.05	38.146
197.14	38.144
197.24	38.141
197.34	38.139
197.44	38.136
197.54	38.134
197.64	38.131
197.74	38.129
197.84	38.127
197.94	38.124
198.	38.123
198.01	38.122
198.02	
198.03	

198.06	38.121
198.12	38.156
198.18	38.203
198.26	38.289
198.36	38.408
198.46	38.544
198.56	38.693
198.66	38.856
198.76	39.031
198.86	39.514
198.96	40.415
199.	40.776
199.01	40.866
199.02	40.954
199.05	41.205
199.14	41.866
199.24	42.522
199.34	43.118
199.44	43.67
199.54	44.184
199.64	44.669
199.74	45.128
199.84	45.566
199.94	45.984
200.	46.228
200.01	46.269
200.02	46.309
200.05	46.429
200.14	46.774
200.24	47.145
200.34	47.502
200.44	47.848
200.54	48.183
200.64	48.509
200.74	48.826
200.84	49.134
200.94	49.435
201.	49.612
201.01	49.642
201.02	49.671
201.05	49.759
201.14	50.018
201.24	50.299
201.34	50.574
201.44	50.844
201.54	51.108
201.64	51.368
201.74	51.624
201.84	51.875
201.94	52.121
202.	52.268
202.01	52.29
202.02	52.309
202.05	52.348
202.14	52.328
202.24	52.176
202.34	51.915
202.44	51.561
202.54	51.126
202.64	50.617
202.74	50.04
202.84	49.401
202.94	48.702
203.	48.263
203.01	48.192
203.02	48.122

	47.928
203.14	47.436
203.24	46.966
203.34	46.554
203.44	46.184
203.54	45.85
203.64	45.544
203.74	45.261
203.84	44.999
203.94	44.755
204.	44.614
204.01	44.591
204.02	44.567
204.05	44.499
204.14	44.306
204.24	44.103
204.34	43.911
204.44	43.729
204.54	43.556
204.64	43.391
204.74	43.233
204.84	43.082
204.94	42.937
205.	42.853
205.01	42.838
205.02	42.824
205.05	42.783
205.14	42.663
205.24	42.534
205.34	42.41
205.44	42.291
205.54	42.175
205.64	42.063
205.74	41.955
205.84	41.85
205.94	41.748
206.	41.688
206.01	41.678
206.02	41.668
206.05	41.639
206.14	41.552
206.24	41.459
206.34	41.368
206.44	41.28
206.54	41.194
206.64	41.11
206.74	41.028
206.84	40.948
206.94	40.87
207.	40.824
207.01	40.819
207.02	40.817
207.05	40.828
207.11	40.917
207.21	41.203
207.31	41.586
207.4	42.061
207.5	42.635
207.6	43.285
207.7	44.003
207.8	44.786
207.9	45.627
208.	46.488
208.01	46.576
208.02	46.661
208.05	46.903

	47.537
208.24	48.161
208.34	48.725
208.44	49.244
208.54	49.725
208.64	50.177
208.74	50.603
208.84	51.006
208.94	51.391
209.	51.615
209.01	51.65
209.02	51.682
209.05	51.757
209.14	51.837
209.24	51.785
209.34	51.614
209.44	51.343
209.54	50.982
209.64	50.54
209.74	50.025
209.84	49.441
209.94	48.793
210.	48.383
210.01	48.319
210.02	48.259
210.05	48.113
210.14	47.897
210.24	47.86
210.34	47.982
210.44	48.236
210.54	48.601
210.64	49.064
210.74	49.614
210.84	50.243
210.94	50.944
211.	51.389
211.01	51.461
211.02	51.532
211.05	51.73
211.14	52.243
211.24	52.743
211.34	53.192
211.44	53.604
211.54	53.986
211.64	54.345
211.74	54.683
211.84	55.005
211.94	55.313
212.	55.492
212.01	55.522
212.02	55.552
212.05	55.64
212.14	55.896
212.24	56.171
212.34	56.438
212.44	56.697
212.54	56.949
212.64	57.195
212.74	57.435
212.84	57.67
212.94	57.899
213.	58.035
213.01	58.058
213.02	58.08
213.05	58.148
213.14	58.345

	58.561
213.34	58.772
213.44	58.979
213.54	59.182
213.64	59.383
213.74	59.58
213.84	59.774
213.94	59.965
214.	60.078
214.01	60.097
214.02	60.116
214.05	60.174
214.14	60.35
214.24	60.548
214.34	60.748
214.44	60.949
214.54	61.151
214.64	61.353
214.74	61.556
214.84	61.759
214.94	61.963
215.	62.085
215.01	62.105
215.02	62.125
215.05	62.185
215.14	62.359
215.24	62.547
215.34	62.731
215.44	62.911
215.54	63.088
215.64	63.262
215.74	63.434
215.84	63.603
215.94	63.77
216.	63.869
216.01	63.885
216.02	63.902
216.05	63.949
216.14	64.085
216.24	64.227
216.34	64.363
216.44	64.493
216.54	64.617
216.64	64.737
216.74	64.851
216.84	64.962
216.94	65.068
217.	65.131
217.01	65.141
217.02	65.152
217.05	65.186
217.14	65.296
217.24	65.426
217.34	65.562
217.44	65.703
217.54	65.848
217.64	65.996
217.74	66.147
217.84	66.301
217.94	66.456
218.	66.551
218.01	66.566
218.02	66.582
218.05	66.628
218.14	66.763
218.24	66.909

	67.053
218.44	67.195
218.54	67.336
218.64	67.475
218.74	67.612
218.84	67.749
218.94	67.884
219.	67.965
219.01	67.976
219.02	67.984
219.05	67.989
219.14	67.862
219.24	67.586
219.34	67.199
219.44	66.718
219.54	66.152
219.64	65.512
219.74	64.803
219.84	64.03
219.94	63.198
220.	62.678
220.01	62.596
220.02	62.518
220.05	62.322
220.14	61.966
220.24	61.79
220.34	61.785
220.44	61.922
220.54	62.179
220.64	62.543
220.74	63.001
220.84	63.546
220.94	64.169
221.	64.57
221.01	64.635
221.02	64.698
221.05	64.873
221.14	65.317
221.24	65.739
221.34	66.111
221.44	66.447
221.54	66.754
221.64	67.04
221.74	67.306
221.84	67.558
221.94	67.797
222.	67.935
222.01	67.958
222.02	67.981
222.05	68.047
222.14	68.231
222.24	68.421
222.34	68.598
222.44	68.764
222.54	68.921
222.64	69.068
222.74	69.208
222.84	69.34
222.94	69.465
223.	69.538
223.01	69.55
223.02	69.562
223.05	69.599
223.14	69.71
223.24	69.834
223.34	69.957

	70.079
223.54	70.2
223.64	70.319
223.74	70.437
223.84	70.554
223.94	70.669
224.	70.738
224.01	70.749
224.02	70.761
224.05	70.796
224.14	70.908
224.24	71.035
224.34	71.166
224.44	71.3
224.54	71.435
224.64	71.573
224.74	71.712
224.84	71.853
224.94	71.995
225.	72.081
225.01	72.095
225.02	72.109
225.05	72.15
225.14	72.268
225.24	72.395
225.34	72.516
225.44	72.635
225.54	72.75
225.64	72.863
225.74	72.973
225.84	73.081
225.94	73.188
226.	73.25
226.01	73.263
226.02	73.279
226.05	73.342
226.14	73.659
226.24	74.131
226.34	74.702
226.44	75.356
226.54	76.085
226.64	76.879
226.74	77.734
226.84	78.645
226.94	79.608
227.	80.204
227.01	80.301
227.02	80.397
227.05	80.669
227.14	81.399
227.24	82.131
227.34	82.807
227.44	83.437
227.54	84.03
227.64	84.594
227.74	85.132
227.84	85.647
227.94	86.143
228.	86.434
228.01	86.483
228.02	86.531
228.05	86.673
228.14	87.088
228.24	87.533
228.34	87.965
228.44	88.384

		88.792
228.64		89.189
228.74		89.576
228.84		89.955
228.94		90.324
229.		90.543
229.01		90.577
229.02		90.609
229.05		90.685
229.14		90.784
229.24		90.767
229.34		90.646
229.44		90.435
229.54		90.144
229.64		89.781
229.74		89.353
229.84		88.864
229.94		88.317
230.		87.969
230.01		87.913
230.02		87.858
230.05		87.709
230.14		87.343
230.24		87.008
230.34		86.725
230.44		86.482
230.54		86.27
230.64		86.083
230.74		85.918
230.84		85.77
230.94	22.25	85.638
231.		85.564
231.01		85.554
231.02		85.547
231.05		85.546
231.14		85.687
231.24		85.982
231.34		86.392
231.44		86.9
231.54		87.494
231.64		88.166
231.74		88.91
231.84		89.718
231.94		90.588
232.		91.131
232.01		91.217
232.02		91.299
232.05		91.51
232.14		91.922
232.24		92.175
232.34		92.266
232.44		92.224
232.54		92.069
232.64		91.815
232.74		91.472
232.84		91.049
232.94		90.553
233.		90.23
233.01		90.183
233.02		90.142
233.05		90.068
233.14	22.243	90.172
233.24	22.235	90.592
233.34	22.227	91.256
233.44	22.219	92.12
233.54	22.211	93.159

233.64	22.203	94.35
233.74	22.195	95.679
233.84	22.187	97.133
233.94	22.178	98.704
234.	22.173	99.687
234.01	22.172	99.842
234.02		99.99
234.05	22.169	100.37
234.14	22.162	101.1
234.24	22.153	101.54
234.34	22.145	101.68
234.44	22.136	101.57
234.54	22.127	101.26
234.64	22.119	100.76
234.74	22.11	100.1
234.84	22.101	99.295
234.94	22.093	98.351
235.	22.087	97.738
235.01	22.086	97.641
235.02		97.55
235.05	22.083	97.319
235.14	22.075	96.895
235.24	22.066	96.666
235.34	22.057	96.621
235.44	22.048	96.724
235.54	22.04	96.948
235.64	22.031	97.277
235.74	22.022	97.698
235.84	22.013	98.201
235.94	22.004	98.778
236.	21.998	99.15
236.01	21.997	99.21
236.02		99.269
236.05	21.994	99.434
236.14	21.986	99.861
236.24	21.977	100.28
236.34	21.968	100.66
236.44	21.958	101.01
236.54	21.949	101.34
236.64	21.94	101.65
236.74	21.931	101.94
236.84	21.922	102.22
236.94	21.912	102.5
237.	21.907	102.66
237.01	21.906	102.68
237.02	21.905	102.71
237.05	21.902	102.79
237.14	21.893	103.02
237.24	21.884	103.26
237.34	21.875	103.5
237.44	21.865	103.73
237.54	21.856	103.96
237.64	21.846	104.18
237.74	21.836	104.39
237.84	21.827	104.6
237.94	21.817	104.81
238.	21.811	104.93
238.01	21.81	104.95
238.02	21.809	104.97
238.05	21.806	105.
238.14	21.798	104.97
238.24	21.788	104.83
238.34	21.778	104.59
238.44	21.768	104.27
238.54	21.758	103.88
238.64	21.748	103.43

238.74	21.738	102.91
238.84	21.728	102.35
238.94	21.718	101.73
239.	21.712	101.34
239.01	21.711	101.28
239.02	21.71	101.21
239.05	21.707	101.04
239.14	21.698	100.61
239.24	21.689	100.19
239.34	21.678	99.821
239.44	21.668	99.492
239.54	21.658	99.193
239.64	21.648	98.918
239.74	21.638	98.665
239.84	21.628	98.43
239.94	21.618	98.21
240.	21.612	98.083
240.01	21.611	98.064
240.02	21.61	98.047
240.05	21.607	98.016
240.14	21.598	98.044
240.24	21.588	98.198
240.34	21.578	98.451
240.44	21.568	98.79
240.54	21.558	99.205
240.64	21.548	99.689
240.74	21.537	100.23
240.84	21.527	100.84
240.94	21.517	101.49
241.	21.511	101.91
241.01	21.51	101.97
241.02	21.509	102.04
241.05	21.506	102.22
241.14	21.496	102.7
241.24	21.486	103.16
241.34	21.476	103.57
241.44	21.465	103.94
241.54	21.455	104.29
241.64	21.445	104.61
241.74	21.434	104.91
241.84	21.424	105.19
241.94	21.413	105.46
242.	21.407	105.61
242.01	21.406	105.64
242.02	21.405	105.66
242.05	21.402	105.74
242.14	21.392	105.96
242.24	21.382	106.19
242.34	21.371	106.42
242.44	21.36	106.64
242.54	21.35	106.85
242.64	21.339	107.05
242.74	21.328	107.25
242.84	21.318	107.44
242.94	21.307	107.63
243.	21.301	107.74
243.01	21.3	107.76
243.02	21.299	107.78
243.05	21.295	107.83
243.14	21.286	107.99
243.24	21.275	108.16
243.34	21.264	108.33
243.44	21.254	108.5
243.54	21.243	108.66
243.64	21.232	108.81
243.74	21.221	108.97

	21.211	109.12
243.94	21.2	109.27
244.	21.193	109.36
244.01	21.192	109.37
244.02	21.191	109.39
244.05	21.188	109.43
244.14	21.178	109.56
244.24	21.167	109.69
244.34	21.157	109.83
244.44	21.146	109.96
244.54	21.135	110.09
244.64	21.124	110.22
244.74	21.113	110.34
244.84	21.103	110.47
244.94	21.092	110.58
245.	21.085	110.66
245.01	21.084	110.67
245.02	21.083	
245.05	21.08	110.68
245.14	21.07	110.6
245.24	21.059	110.4
245.34	21.048	110.12
245.44	21.038	109.76
245.54	21.027	109.34
245.64	21.016	108.86
245.74	21.005	108.33
245.84	20.994	107.75
245.94	20.983	107.12
246.	20.977	106.73
246.01	20.976	106.66
246.02	20.975	106.6
246.05	20.972	106.42
246.14	20.962	105.97
246.24	20.951	105.53
246.34	20.94	105.14
246.44	20.929	104.78
246.54	20.919	104.46
246.64	20.908	104.15
246.74	20.897	103.87
246.84	20.886	103.6
246.94	20.876	103.35
247.	20.869	103.2
247.01	20.868	103.18
247.02	20.867	103.16
247.05	20.864	103.12
247.14	20.854	103.09
247.24	20.844	103.17
247.34	20.833	103.34
247.44	20.822	103.59
247.54	20.812	103.9
247.64	20.801	104.28
247.74	20.79	104.71
247.84	20.78	105.19
247.94	20.769	105.72
248.	20.762	106.05
248.01	20.761	106.1
248.02	20.76	106.15
248.05	20.757	106.27
248.14	20.747	106.46
248.24	20.737	106.51
248.34	20.726	106.44
248.44	20.715	106.27
248.54	20.705	106.
248.64	20.694	105.66
248.74	20.683	105.26
248.84	20.673	104.79

248.94	20.662	104.26
249.	20.655	103.93
249.01	20.654	103.87
249.02	20.653	103.82
249.05	20.65	103.67
249.14	20.641	103.3
249.24	20.63	102.93
249.34	20.619	102.61
249.44	20.609	102.32
249.54	20.598	102.05
249.64	20.588	101.8
249.74	20.577	101.57
249.84	20.567	101.35
249.94	20.556	101.14
250.	20.55	101.02
250.01	20.549	101.
250.02	20.548	100.98
250.05	20.545	100.92
250.14	20.535	100.74
250.24	20.525	100.56
250.34	20.514	100.38
250.44	20.504	100.21
250.54	20.494	100.04
250.64	20.483	99.874
250.74	20.473	99.714
250.84	20.463	99.559
250.94	20.453	99.406
251.	20.447	99.316
251.01	20.446	99.301
251.02	20.445	99.287
251.05	20.442	99.244
251.14	20.433	99.125
251.24	20.422	99.002
251.34	20.412	98.888
251.44	20.402	98.781
251.54	20.392	98.68
251.64	20.382	98.584
251.74	20.372	98.495
251.84	20.362	98.41
251.94	20.353	98.33
252.	20.347	98.283
252.01	20.346	98.276
252.02	20.345	98.268
252.05	20.342	98.244
252.14	20.333	98.17
252.24	20.323	98.086
252.34	20.313	98.001
252.44	20.304	97.916
252.54	20.294	97.832
252.64	20.284	97.747
252.74	20.275	97.663
252.84	20.265	97.58
252.94	20.256	97.497
253.	20.25	97.447
253.01	20.249	97.439
253.02	20.248	97.431
253.05	20.245	97.406
253.14	20.237	97.333
253.24	20.227	97.253
253.34	20.218	97.174
253.44	20.208	97.096
253.54	20.199	97.018
253.64	20.19	96.942
253.74	20.181	96.866
253.84	20.171	96.79
253.94	20.162	96.716

	20.157	96.672
254.01	20.156	96.666
254.02	20.155	96.662
254.05	20.152	96.664
254.14	20.144	96.762
254.24	20.135	96.961
254.34	20.126	97.233
254.44	20.117	97.569
254.54	20.108	97.959
254.64	20.099	98.4
254.74	20.09	98.885
254.84	20.082	99.413
254.94	20.073	99.981
255.	20.068	100.34
255.01	20.067	100.39
255.02	20.066	100.44
255.05	20.063	100.58
255.14	20.055	100.82
255.24	20.047	100.95
255.34	20.038	
255.44	20.029	100.87
255.54	20.021	100.7
255.64	20.012	100.45
255.74	20.004	100.15
255.84	19.995	99.786
255.94	19.987	99.37
256.	19.982	99.102
256.01	19.981	99.059
256.02	19.98	99.017
256.05	19.977	98.901
256.14	19.97	98.617
256.24	19.962	98.355
256.34	19.953	98.13
256.44	19.945	97.934
256.54	19.937	97.761
256.64	19.929	97.606
256.74	19.921	97.466
256.84	19.913	97.339
256.94	19.905	97.222
257.	19.9	97.156
257.01	19.899	97.146
257.02	19.898	97.135
257.05	19.896	97.102
257.14	19.889	97.008
257.24	19.881	96.907
257.34	19.873	96.81
257.44	19.866	96.716
257.54	19.858	96.626
257.64	19.85	96.54
257.74	19.843	96.456
257.84	19.835	96.375
257.94	19.827	96.297
258.	19.823	96.251
258.01	19.822	96.245
258.02	19.821	96.24
258.05	19.819	96.241
258.14	19.813	96.335
258.24	19.805	96.528
258.34	19.798	96.795
258.44	19.79	97.124
258.54	19.783	97.508
258.64	19.776	97.942
258.74	19.768	98.422
258.84	19.761	98.943
258.94	19.754	99.504
259.	19.75	99.854

259.01	19.749	99.911
259.02	19.748	99.967
259.05	19.746	100.12
259.14	19.74	100.53
259.24	19.732	100.94
259.34	19.725	101.3
259.44	19.718	101.64
259.54	19.711	101.95
259.64	19.704	102.24
259.74	19.697	102.51
259.84	19.69	102.77
259.94	19.683	103.02
260.	19.679	103.16
260.01	19.678	103.19
260.02	19.677	103.21
260.05	19.675	103.28
260.14	19.669	103.48
260.24	19.662	103.7
260.34	19.655	103.91
260.44	19.648	104.11
260.54	19.641	104.31
260.64	19.634	104.5
260.74	19.628	104.68
260.84	19.621	104.86
260.94	19.614	105.04
261.	19.61	105.14
261.01	19.609	105.16
261.02		105.17
261.05	19.607	105.2
261.14	19.6	105.19
261.24	19.594	105.09
261.34	19.587	104.91
261.44	19.58	104.67
261.54	19.574	104.38
261.64	19.567	104.03
261.74	19.56	103.64
261.84	19.554	103.2
261.94	19.547	102.72
262.	19.543	102.42
262.01		102.37
262.02	19.542	102.33
262.05	19.54	102.22
262.14	19.534	102.05
262.24	19.528	101.99
262.34	19.521	102.05
262.44	19.515	102.2
262.54	19.509	102.43
262.64	19.502	102.73
262.74	19.496	103.09
262.84	19.49	103.5
262.94	19.483	103.96
263.	19.48	104.26
263.01	19.479	104.3
263.02	19.478	104.35
263.05	19.477	104.45
263.14	19.471	104.62
263.24	19.465	104.67
263.34	19.459	104.6
263.44	19.452	104.45
263.54	19.446	104.22
263.64	19.44	103.93
263.74	19.434	103.58
263.84	19.428	103.17
263.94	19.421	102.71
264.	19.418	102.42
264.01		102.37

264.02	19.417	102.33
264.05	19.415	102.2
264.14	19.409	101.89
264.24	19.403	101.61
264.34	19.397	101.36
264.44	19.391	101.16
264.54	19.385	100.97
264.64	19.379	100.81
264.74	19.373	100.67
264.84	19.367	100.55
264.94	19.361	100.44
265.	19.357	100.37
265.01		100.36
265.02	19.356	100.35
265.05	19.354	100.32
265.14	19.349	100.24
265.24	19.343	100.16
265.34	19.337	100.09
265.44	19.332	100.03
265.54	19.326	99.975
265.64	19.32	99.927
265.74	19.314	99.885
265.84	19.308	99.85
265.94	19.303	99.821
266.	19.299	99.806
266.01		99.803
266.02	19.298	99.801
266.05	19.296	99.791
266.14	19.291	99.758
266.24	19.285	99.716
266.34	19.28	99.67
266.44	19.274	99.622
266.54	19.268	99.572
266.64	19.263	99.52
266.74	19.257	99.467
266.84	19.252	99.412
266.94	19.246	99.356
267.	19.243	99.322
267.01	19.242	99.318
267.02		99.316
267.05	19.24	99.324
267.14	19.235	99.445
267.24	19.229	99.671
267.34	19.224	99.974
267.44	19.218	100.34
267.54	19.213	100.76
267.64	19.207	101.24
267.74	19.202	101.76
267.84	19.197	102.32
267.94	19.191	102.92
268.	19.188	103.3
268.01	19.187	103.36
268.02		103.42
268.05	19.185	103.59
268.14	19.18	104.03
268.24	19.175	104.46
268.34	19.17	104.85
268.44	19.164	105.21
268.54	19.159	105.55
268.64	19.153	105.86
268.74	19.148	106.15
268.84	19.143	106.43
268.94	19.137	106.69
269.	19.134	106.85
269.01		106.87
269.02	19.133	106.9

269.05	19.131	106.97
269.14	19.127	107.19
269.24	19.121	107.42
269.34	19.116	107.65
269.44	19.111	107.86
269.54	19.105	108.07
269.64	19.1	108.28
269.74	19.095	108.47
269.84	19.09	108.67
269.94	19.084	108.85
270.	19.081	108.96
270.01		108.98
270.02	19.08	108.99
270.05	19.079	109.02
270.14	19.074	
270.24	19.069	108.92
270.34	19.063	108.74
270.44	19.058	108.49
270.54	19.053	108.19
270.64	19.048	107.83
270.74	19.043	107.42
270.84	19.038	106.97
270.94	19.033	106.48
271.	19.03	106.17
271.01	19.029	106.12
271.02		106.07
271.05	19.027	105.96
271.14	19.023	105.81
271.24	19.018	105.8
271.34	19.013	105.92
271.44	19.008	106.14
271.54	19.003	106.45
271.64	18.998	106.85
271.74	18.993	107.31
271.84	18.988	107.84
271.94	18.983	108.44
272.	18.98	108.81
272.01		108.87
272.02	18.979	108.93
272.05	18.978	109.07
272.14	18.973	109.34
272.24	18.968	109.49
272.34	18.964	109.52
272.44	18.959	109.46
272.54	18.954	109.32
272.64	18.949	109.1
272.74	18.944	108.83
272.84	18.939	108.5
272.94	18.934	108.11
273.	18.931	107.86
273.01		107.82
273.02	18.93	107.79
273.05	18.929	107.7
273.14	18.924	107.59
273.24	18.92	107.6
273.34	18.915	107.71
273.44	18.91	107.9
273.54	18.905	108.17
273.64	18.9	108.49
273.74	18.895	108.88
273.84	18.89	109.31
273.94	18.886	109.79
274.	18.883	110.09
274.01	18.882	110.14
274.02		110.19
274.05	18.88	110.34

274.14	18.876	110.75
274.24	18.871	111.18
274.34	18.866	111.61
274.44	18.861	112.03
274.54	18.856	112.45
274.64	18.852	112.86
274.74	18.847	113.28
274.84	18.842	113.7
274.94	18.837	114.11
275.	18.834	114.36
275.01	18.833	114.4
275.02		114.44
275.05	18.831	114.53
275.14	18.827	114.69
275.24	18.822	114.74
275.34	18.817	114.7
275.44	18.812	114.57
275.54	18.807	114.37
275.64	18.802	114.11
275.74	18.797	113.79
275.84	18.792	113.41
275.94	18.787	112.99
276.	18.785	112.72
276.01	18.784	112.67
276.02		112.63
276.05	18.782	112.52
276.14	18.778	112.28
276.24	18.773	112.09
276.34	18.768	111.96
276.44	18.763	111.88
276.54	18.758	111.84
276.64	18.753	111.83
276.74	18.748	111.85
276.84	18.743	111.89
276.94	18.738	111.96
277.	18.735	112.01
277.01		112.02
277.02	18.734	
277.05	18.733	112.06
277.14	18.729	112.19
277.24	18.724	112.37
277.34	18.719	112.59
277.44	18.714	112.82
277.54	18.709	113.08
277.64	18.704	113.36
277.74	18.699	113.66
277.84	18.695	113.97
277.94	18.69	114.29
278.	18.687	114.49
278.01	18.686	114.52
278.02		114.56
278.05	18.684	114.68
278.14	18.68	115.15
278.24	18.675	115.77
278.34	18.67	116.48
278.44	18.665	117.25
278.54	18.66	118.1
278.64	18.655	119.
278.74	18.65	119.96
278.84	18.645	120.97
278.94	18.64	122.03
279.	18.637	122.68
279.01		122.79
279.02	18.636	122.9
279.05	18.635	123.26
279.14	18.63	124.44

279.24	18.625	125.88
279.34	18.62	127.43
279.44	18.614	129.06
279.54	18.609	130.79
279.64	18.604	132.6
279.74	18.598	134.48
279.84	18.593	136.43
279.94	18.588	138.45
280.	18.584	139.69
280.01		139.89
280.02	18.583	140.09
280.05	18.581	140.69
280.14	18.576	142.4
280.24	18.571	144.25
280.34	18.565	146.05
280.44	18.559	147.83
280.54	18.553	149.59
280.64	18.547	151.34
280.74	18.541	153.08
280.84	18.535	154.81
280.94	18.529	156.54
281.	18.525	157.57
281.01		157.74
281.02	18.524	157.91
281.05	18.522	158.42
281.14	18.516	159.89
281.24	18.51	161.49
281.34	18.503	163.05
281.44	18.497	164.59
281.54	18.49	166.11
281.64	18.483	167.6
281.74	18.477	169.08
281.84	18.47	170.55
281.94	18.463	172.
282.	18.458	172.87
282.01		173.01
282.02	18.457	173.15
282.05	18.455	173.57
282.14	18.448	174.72
282.24	18.441	175.93
282.34	18.434	177.07
282.44	18.426	178.15
282.54	18.419	179.18
282.64	18.411	180.17
282.74	18.403	181.11
282.84	18.395	182.02
282.94	18.387	182.89
283.	18.382	183.4
283.01		183.49
283.02	18.381	183.59
283.05	18.378	183.9
283.14	18.371	185.07
283.24	18.363	186.57
283.34	18.354	188.24
283.44	18.346	190.04
283.54	18.337	191.97
283.64	18.328	194.
283.74	18.319	196.12
283.84	18.31	198.34
283.94	18.301	200.63
284.	18.295	202.03
284.01	18.294	202.26
284.02	18.293	202.49
284.05	18.29	203.14
284.14	18.282	204.91
284.24	18.272	206.73

284.34	18.262	208.42
284.44	18.252	210.01
284.54	18.241	211.52
284.64	18.231	212.97
284.74	18.22	214.36
284.84	18.209	215.69
284.94	18.198	216.98
285.	18.191	217.73
285.01	18.19	217.86
285.02	18.189	217.98
285.05	18.186	218.36
285.14	18.176	219.48
285.24	18.164	220.71
285.34	18.152	221.92
285.44	18.14	223.11
285.54	18.128	224.29
285.64	18.115	225.45
285.74	18.103	226.59
285.84	18.09	227.71
285.94	18.077	228.83
286.	18.069	229.49
286.01	18.068	229.6
286.02	18.066	229.71
286.05	18.062	230.04
286.14	18.05	231.01
286.24	18.037	232.08
286.34	18.023	233.13
286.44	18.009	234.17
286.54	17.995	235.19
286.64	17.98	236.21
286.74	17.965	237.21
286.84	17.951	238.19
286.94	17.935	239.17
287.	17.926	239.75
287.01	17.925	239.85
287.02	17.923	239.95
287.05	17.919	240.26
287.14	17.905	241.3
287.24	17.889	242.54
287.34	17.873	243.85
287.44	17.857	245.22
287.54	17.84	246.64
287.64	17.824	248.1
287.74	17.807	249.6
287.84	17.79	251.14
287.94	17.772	252.71
288.	17.762	253.66
288.01	17.76	253.82
288.02	17.758	253.96
288.05	17.753	254.37
288.14	17.737	255.33
288.24	17.719	256.13
288.34	17.7	256.74
288.44	17.682	257.19
288.54	17.663	257.48
288.64	17.644	257.65
288.74	17.625	257.7
288.84	17.605	257.64
288.94	17.585	257.48
289.	17.574	257.36
289.01	17.572	257.34
289.02	17.57	257.33
289.05	17.564	
289.14	17.545	257.53
289.24	17.525	257.96
289.34	17.504	258.53

289.44	17.484	259.22
289.54	17.462	260.01
289.64	17.441	260.88
289.74	17.42	261.83
289.84	17.398	262.84
289.94	17.376	263.9
290.	17.363	264.56
290.01	17.361	264.67
290.02	17.358	264.79
290.05	17.352	265.13
290.14	17.332	266.22
290.24	17.309	267.49
290.34	17.286	268.83
290.44	17.263	270.22
290.54	17.24	271.65
290.64	17.216	273.13
290.74	17.192	274.66
290.84	17.168	276.22
290.94	17.144	277.82
291.	17.129	278.79
291.01	17.127	278.96
291.02	17.125	279.11
291.05	17.117	279.58
291.14	17.095	280.88
291.24	17.07	282.24
291.34	17.045	283.55
291.44	17.019	284.81
291.54	16.993	286.03
291.64	16.967	287.22
291.74	16.941	288.38
291.84	16.915	289.52
291.94	16.888	290.63
292.	16.872	291.3
292.01	16.869	291.41
292.02	16.867	291.52
292.05	16.859	291.85
292.14	16.834	292.83
292.24	16.807	293.91
292.34	16.779	294.98
292.44	16.751	296.04
292.54	16.723	297.1
292.64	16.695	298.14
292.74	16.667	299.18
292.84	16.638	300.2
292.94	16.609	301.22
293.	16.591	301.83
293.01	16.589	301.94
293.02	16.586	302.04
293.05	16.577	302.39
293.14	16.55	303.56
293.24	16.521	305.01
293.34	16.491	306.57
293.44	16.461	308.23
293.54	16.431	309.97
293.64	16.4	311.79
293.74	16.37	313.67
293.84	16.339	315.61
293.94	16.308	317.62
294.	16.289	318.84
294.01	16.286	319.03
294.02	16.283	319.23
294.05	16.273	319.77
294.14	16.245	321.13
294.24	16.213	322.41
294.34	16.181	323.49
294.44	16.149	324.43

	16.116	325.23
294.64	16.084	325.91
294.74	16.051	326.49
294.84	16.018	326.98
294.94	15.984	327.38
295.	15.964	327.59
295.01	15.961	327.63
295.02	15.957	327.68
295.05	15.947	327.87
295.14	15.917	328.77
295.24	15.883	330.05
295.34	15.849	331.57
295.44	15.814	333.27
295.54	15.78	335.14
295.64	15.745	337.14
295.74	15.71	339.27
295.84	15.675	341.52
295.94	15.639	343.86
296.	15.618	345.31
296.01	15.614	345.54
296.02	15.611	345.77
296.05	15.6	346.41
296.14	15.568	348.02
296.24	15.531	349.53
296.34	15.495	350.82
296.44	15.458	351.94
296.54	15.422	352.91
296.64	15.385	353.76
296.74	15.347	354.5
296.84	15.31	355.13
296.94	15.272	355.68
297.	15.249	355.97
297.01	15.246	356.03
297.02	15.242	356.09
297.05	15.23	356.31
297.14	15.196	357.26
297.24	15.158	358.57
297.34	15.119	360.08
297.44	15.08	361.75
297.54	15.041	363.55
297.64	15.002	365.47
297.74	14.962	367.5
297.84	14.922	369.62
297.94	14.883	371.83
298.	14.858	373.18
298.01	14.854	373.4
298.02	14.85	373.61
298.05	14.838	374.19
298.14	14.802	375.57
298.24	14.761	376.77
298.34	14.72	377.71
298.44	14.679	378.44
298.54	14.638	378.98
298.64	14.597	379.36
298.74	14.555	379.6
298.84	14.513	379.71
298.94	14.471	379.7
299.	14.445	379.65
299.01	14.441	
299.02	14.437	
299.05	14.424	379.69
299.14	14.386	380.06
299.24	14.343	380.67
299.34	14.3	381.43
299.44	14.257	382.32
299.54	14.213	383.32

299.64	14.169	384.39
299.74	14.126	385.54
299.84	14.082	386.76
299.94	14.037	388.04
300.	14.011	388.82
300.01	14.006	388.95
300.02	14.002	389.08
300.05	13.988	389.46
300.14	13.948	390.55
300.24	13.903	391.73
300.34	13.858	392.88
300.44	13.813	394.02
300.54	13.768	395.15
300.64	13.722	396.27
300.74	13.676	397.38
300.84	13.63	398.49
300.94	13.583	399.59
301.	13.556	400.25
301.01	13.551	400.36
301.02	13.546	400.48
301.05	13.532	400.86
301.14	13.49	402.19
301.24	13.443	403.86
301.34	13.396	405.68
301.44	13.348	407.62
301.54	13.301	409.68
301.64	13.253	411.83
301.74	13.205	414.07
301.84	13.156	416.39
301.94	13.108	418.79
302.	13.079	420.26
302.01	13.074	420.5
302.02	13.069	420.73
302.05	13.054	421.42
302.14	13.01	423.28
302.24	12.961	425.19
302.34	12.911	426.98
302.44	12.862	428.68
302.54	12.812	430.29
302.64	12.762	431.84
302.74	12.711	433.34
302.84	12.661	434.78
302.94	12.61	436.17
303.	12.579	436.99
303.01	12.574	437.13
303.02	12.569	437.25
303.05	12.554	437.61
303.14	12.507	438.46
303.24	12.456	439.2
303.34	12.404	439.77
303.44	12.352	440.18
303.54	12.3	440.46
303.64	12.248	440.63
303.74	12.195	440.68
303.84	12.142	440.63
303.94	12.09	440.49
304.	12.058	440.37
304.01	12.052	440.36
304.02	12.047	440.35
304.05	12.031	440.33
304.14	11.983	440.45
304.24	11.93	440.72
304.34	11.876	441.09
304.44	11.823	441.53
304.54	11.769	442.03
304.64	11.714	442.58

	11.66	443.18
304.84	11.606	443.81
304.94	11.551	444.47
305.	11.518	444.87
305.01	11.513	444.94
305.02	11.507	445.02
305.05	11.491	445.31
305.14	11.441	446.5
305.24	11.386	448.14
305.34	11.331	450.03
305.44	11.276	452.14
305.54	11.22	454.44
305.64	11.164	456.91
305.74	11.108	459.54
305.84	11.052	462.3
305.94	10.995	465.2
306.	10.961	466.98
306.01	10.955	467.27
306.02	10.95	467.55
306.05	10.933	468.3
306.14	10.882	470.1
306.24	10.824	471.65
306.34	10.767	472.86
306.44	10.71	473.8
306.54	10.652	474.5
306.64	10.594	475.
306.74	10.536	475.33
306.84	10.477	475.49
306.94	10.419	475.51
307.	10.383	475.47
307.01	10.377	475.46
307.02	10.372	
307.05	10.354	475.42
307.14	10.301	475.2
307.24	10.242	474.84
307.34	10.182	474.37
307.44	10.123	473.8
307.54	10.063	473.13
307.64	10.004	472.38
307.74	9.9436	471.53
307.84	9.8836	470.6
307.94	9.8234	469.6
308.	9.7873	468.97
308.01	9.7812	468.87
308.02	9.7752	468.77
308.05	9.7571	468.53
308.14	9.7028	468.1
308.24	9.6422	467.86
308.34	9.5816	467.82
308.44	9.5209	467.94
308.54	9.46	468.18
308.64	9.3991	468.53
308.74	9.338	468.98
308.84	9.2768	469.51
308.94	9.2155	470.12
309.	9.1787	470.51
309.01	9.1726	470.57
309.02	9.1664	470.63
309.05	9.148	470.79
309.14	9.0927	471.11
309.24	9.031	471.35
309.34	8.9693	471.5
309.44	8.9074	471.58
309.54	8.8455	471.59
309.64	8.7834	471.55
309.74	8.7212	471.47

309.84	8.6589	471.35
309.94	8.5965	471.19
310.	8.559	471.09
310.01	8.5527	471.07
310.02	8.5465	471.06
310.05	8.5277	471.05
310.14	8.4714	471.17
310.24	8.4086	471.45
310.34	8.3458	471.84
310.44	8.2829	472.32
310.54	8.2198	472.88
310.64	8.1567	473.5
310.74	8.0935	474.19
310.84	8.0302	474.93
310.94	7.9668	475.72
311.	7.9288	476.21
311.01	7.9224	476.29
311.02	7.9161	476.37
311.05	7.8971	476.56
311.14	7.8399	476.94
311.24	7.7763	477.18
311.34	7.7126	477.29
311.44	7.6488	477.27
311.54	7.585	477.17
311.64	7.5211	476.97
311.74	7.4572	476.71
311.84	7.3932	476.37
311.94	7.3291	475.97
312.	7.2907	475.71
312.01	7.2843	475.67
312.02	7.2779	475.62
312.05	7.2586	475.49
312.14	7.2009	475.08
312.24	7.1368	474.61
312.34	7.0726	474.1
312.44	7.0084	473.57
312.54	6.9442	473.01
312.64	6.88	472.43
312.74	6.8157	471.82
312.84	6.7515	471.18
312.94	6.6873	470.52
313.	6.6487	470.11
313.01	6.6423	470.05
313.02	6.6359	469.99
313.05	6.6166	469.84
313.14	6.5588	469.58
313.24	6.4946	469.46
313.34	6.4304	469.49
313.44	6.3663	469.63
313.54	6.3021	469.87
313.64	6.238	470.2
313.74	6.1738	470.6
313.84	6.1098	471.07
313.94	6.0457	471.6
314.	6.0072	471.93
314.01	6.0008	471.99
314.02	5.9944	472.03
314.05	5.9752	472.13
314.14	5.9176	472.14
314.24	5.8536	471.89
314.34	5.7896	471.45
314.44	5.7257	470.85
314.54	5.6618	470.11
314.64	5.5979	469.24
314.74	5.5341	468.27
314.84	5.4703	467.2

	5.4065	466.04
315.	5.3683	465.31
315.01	5.362	465.2
315.02	5.3556	465.08
315.05	5.3365	464.79
315.14	5.2792	464.16
315.24	5.2157	463.69
315.34	5.1522	463.38
315.44	5.0887	463.22
315.54	5.0254	463.18
315.64	4.9621	463.23
315.74	4.8989	463.37
315.84	4.8358	463.59
315.94	4.7727	463.88
316.	4.7349	464.08
316.01	4.7286	464.11
316.02	4.7224	464.15
316.05	4.7035	464.26
316.14	4.6469	464.63
316.24	4.5841	465.1
316.34	4.5214	465.62
316.44	4.4588	466.19
316.54	4.3962	466.81
316.64	4.3337	467.47
316.74	4.2714	468.17
316.84	4.2091	468.91
316.94	4.1468	469.68
317.	4.1095	470.16
317.01	4.1033	470.23
317.02	4.0971	470.3
317.05	4.0785	470.46
317.14	4.0226	470.62
317.24	3.9606	470.52
317.34	3.8988	470.19
317.44	3.837	469.68
317.54	3.7753	469.01
317.64	3.7137	468.2
317.74	3.6522	467.26
317.84	3.5908	466.21
317.94	3.5295	465.06
318.	3.4928	464.33
318.01	3.4867	464.21
318.02	3.4806	464.09
318.05	3.4622	463.75
318.14	3.4073	462.76
318.24	3.3464	461.7
318.34	3.2857	460.65
318.44	3.2251	459.61
318.54	3.1646	458.57
318.64	3.1043	457.52
318.74	3.0441	456.47
318.84	2.9841	455.4
318.94	2.9243	454.32
319.	2.8884	453.67
319.01	2.8825	453.57
319.02	2.8765	453.48
319.05	2.8586	453.26
319.14	2.805	453.02
319.24	2.7457	453.14
319.34	2.6865	453.57
319.44	2.6274	454.26
319.54	2.5685	455.18
319.64	2.5098	456.3
319.74	2.4512	457.59
319.84	2.3928	459.05
319.94	2.3345	460.66

	2.2995	461.67
320.01	2.2937	461.83
320.02	2.2879	461.99
320.05	2.2704	462.38
320.14	2.2182	463.12
320.24	2.1603	463.57
320.34	2.1026	463.73
320.44	2.0449	463.65
320.54	1.9874	463.38
320.64	1.93	462.94
320.74	1.8728	462.34
320.84	1.8157	461.62
320.94	1.7587	460.78
321.	1.7246	460.23
321.01	1.7189	460.14
321.02	1.7132	460.05
321.05	1.6962	459.81
321.14	1.6451	459.21
321.24	1.5886	458.62
321.34	1.5322	458.1
321.44	1.476	457.62
321.54	1.4199	457.17
321.64	1.364	456.75
321.74	1.3083	456.34
321.84	1.2527	455.96
321.94	1.1974	455.58
322.	1.1642	455.36
322.01	1.1587	455.32
322.02	1.1532	455.27
322.05	1.1366	455.13
322.14	1.0871	454.53
322.24	1.0323	453.74
322.34	0.97762	452.83
322.44	0.92317	451.84
322.54	0.8689	450.77
322.64	0.81483	449.63
322.74	0.76095	448.43
322.84	0.70726	447.18
322.94	0.65377	445.87
323.	0.62174	445.07
323.01	0.61641	444.95
323.02	0.61107	444.83
323.05	0.59509	444.52
323.14	0.54729	443.93
323.24	0.49438	443.59
323.34	0.44167	443.49
323.44	0.38915	443.6
323.54	0.33683	443.89
323.64	0.2847	444.33
323.74	0.23275	444.9
323.84	0.181	445.6
323.94	0.12943	446.41
324.	9.8548e-002	446.94
324.01	9.3404e-002	447.02
324.02	8.8262e-002	447.11
324.05	7.2853e-002	447.33
324.14	2.677e-002	447.85
324.24	-2.4258e-002	448.32
324.34	-7.5111e-002	448.71
324.44	-0.12579	449.04
324.54	-0.1763	449.32
324.64	-0.22664	449.56
324.74	-0.27681	449.77
324.84	-0.32682	449.96
324.94	-0.37666	450.12
325.	-0.4065	450.22

	-0.41147	450.23
325.02	-0.41644	
325.05	-0.43133	450.19
325.14	-0.47588	449.78
325.24	-0.5252	449.01
325.34	-0.57434	448.
325.44	-0.6233	446.78
325.54	-0.67207	445.38
325.64	-0.72065	443.82
325.74	-0.76904	442.12
325.84	-0.81722	440.28
325.94	-0.86519	438.31
326.	-0.89389	437.09
326.01	-0.89867	436.89
326.02	-0.90345	436.7
326.05	-0.91778	436.15
326.14	-0.96057	434.71
326.24	-1.0079	433.31
326.34	-1.055	432.04
326.44	-1.1019	430.88
326.54	-1.1485	429.81
326.64	-1.1949	428.8
326.74	-1.2411	427.85
326.84	-1.287	426.95
326.94	-1.3327	426.1
327.	-1.36	425.6
327.01	-1.3646	425.52
327.02	-1.3691	425.44
327.05	-1.3828	425.2
327.14	-1.4235	424.53
327.24	-1.4684	423.84
327.34	-1.5132	423.19
327.44	-1.5577	422.58
327.54	-1.602	422.
327.64	-1.6461	421.46
327.74	-1.6899	420.94
327.84	-1.7335	420.45
327.94	-1.7769	419.99
328.	-1.8029	419.72
328.01	-1.8072	419.67
328.02	-1.8115	419.62
328.05	-1.8244	419.47
328.14	-1.8631	418.92
328.24	-1.9058	418.24
328.34	-1.9483	417.57
328.44	-1.9906	416.87
328.54	-2.0326	416.13
328.64	-2.0744	415.37
328.74	-2.116	414.58
328.84	-2.1574	413.77
328.94	-2.1985	412.94
329.	-2.2231	412.43
329.01	-2.2272	412.34
329.02	-2.2313	412.26
329.05	-2.2436	412.02
329.14	-2.2802	411.35
329.24	-2.3206	410.65
329.34	-2.3608	409.97
329.44	-2.4008	409.32
329.54	-2.4405	408.69
329.64	-2.4799	408.07
329.74	-2.5192	407.47
329.84	-2.5581	406.87
329.94	-2.5968	406.29
330.	-2.62	405.94
330.01	-2.6238	405.88

330.02	-2.6277	405.82
330.05	-2.6392	405.62
330.14	-2.6736	404.94
330.24	-2.7116	404.1
330.34	-2.7493	403.19
330.44	-2.7867	402.23
330.54	-2.8239	401.23
330.64	-2.8608	400.18
330.74	-2.8975	399.1
330.84	-2.9339	397.99
330.94	-2.97	396.85
331.	-2.9916	396.15
331.01	-2.9952	396.04
331.02	-2.9987	395.93
331.05	-3.0095	395.63
331.14	-3.0415	394.94
331.24	-3.0768	394.33
331.34	-3.1119	393.86
331.44	-3.1466	393.5
331.54	-3.1811	393.23
331.64	-3.2153	393.03
331.74	-3.2493	392.9
331.84	-3.283	392.84
331.94	-3.3164	392.82
332.	-3.3363	392.84
332.01	-3.3396	
332.02	-3.3429	
332.05	-3.3529	392.83
332.14	-3.3824	392.73
332.24	-3.415	392.58
332.34	-3.4474	392.41
332.44	-3.4794	392.21
332.54	-3.5112	392.
332.64	-3.5427	391.78
332.74	-3.574	391.55
332.84	-3.605	391.32
332.94	-3.6357	391.09
333.	-3.6541	390.95
333.01	-3.6571	390.93
333.02	-3.6602	390.9
333.05	-3.6693	390.83
333.14	-3.6965	390.61
333.24	-3.7264	390.36
333.34	-3.7561	390.1
333.44	-3.7855	389.84
333.54	-3.8147	389.58
333.64	-3.8436	389.32
333.74	-3.8722	389.06
333.84	-3.9005	388.79
333.94	-3.9286	388.53
334.	-3.9454	388.37
334.01	-3.9482	388.35
334.02	-3.951	388.32
334.05	-3.9593	388.23
334.14	-3.9841	387.97
334.24	-4.0114	387.65
334.34	-4.0384	387.33
334.44	-4.0652	387.
334.54	-4.0917	386.65
334.64	-4.1179	386.31
334.74	-4.1438	385.96
334.84	-4.1695	385.6
334.94	-4.1949	385.24
335.	-4.2101	385.03
335.01	-4.2126	384.99
335.02	-4.2151	384.95

335.05	-4.2227	384.85
335.14	-4.2451	384.56
335.24	-4.2697	384.25
335.34	-4.294	383.95
335.44	-4.3181	383.66
335.54	-4.342	383.37
335.64	-4.3655	383.1
335.74	-4.3889	382.83
335.84	-4.4119	382.56
335.94	-4.4347	382.3
336.	-4.4483	382.15
336.01	-4.4506	382.12
336.02	-4.4528	382.09
336.05	-4.4596	382.02
336.14	-4.4796	381.79
336.24	-4.5016	381.54
336.34	-4.5234	381.29
336.44	-4.5449	381.04
336.54	-4.5662	380.8
336.64	-4.5872	380.56
336.74	-4.608	380.32
336.84	-4.6286	380.08
336.94	-4.6488	379.85
337.	-4.6609	379.71
337.01	-4.6629	379.68
337.02	-4.6649	379.66
337.05	-4.671	379.56
337.14	-4.6888	379.16
337.24	-4.7083	378.63
337.34	-4.7277	378.01
337.44	-4.7467	377.33
337.54	-4.7656	376.6
337.64	-4.7842	375.82
337.74	-4.8025	375.
337.84	-4.8206	374.14
337.94	-4.8385	373.24
338.	-4.8491	372.69
338.01	-4.8509	372.6
338.02	-4.8527	372.52
338.05	-4.858	372.29
338.14	-4.8736	371.79
338.24	-4.8908	371.39
338.34	-4.9077	371.12
338.44	-4.9244	370.95
338.54	-4.9408	370.87
338.64	-4.957	370.85
338.74	-4.973	370.9
338.84	-4.9887	371.
338.94	-5.0043	371.15
339.	-5.0135	371.26
339.01	-5.015	371.27
339.02	-5.0166	371.29
339.05	-5.0211	
339.14	-5.0347	371.16
339.24	-5.0495	370.86
339.34	-5.0642	370.45
339.44	-5.0786	369.95
339.54	-5.0928	369.38
339.64	-5.1067	368.75
339.74	-5.1205	368.06
339.84	-5.134	367.34
339.94	-5.1473	366.56
340.	-5.1552	366.09
340.01	-5.1565	366.01
340.02	-5.1579	365.93
340.05	-5.1618	365.72

340.14	-5.1734	365.13
340.24	-5.1861	364.55
340.34	-5.1985	364.01
340.44	-5.2107	363.5
340.54	-5.2228	363.02
340.64	-5.2346	362.55
340.74	-5.2462	362.11
340.84	-5.2575	361.68
340.94	-5.2687	361.26
341.	-5.2753	361.02
341.01	-5.2764	360.97
341.02	-5.2775	360.93
341.05	-5.2808	360.78
341.14	-5.2904	360.24
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341.34	-5.3112	358.79
341.44	-5.3212	357.98
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341.64	-5.3407	356.22
341.74	-5.3501	355.28
341.84	-5.3593	354.3
341.94	-5.3683	353.3
342.	-5.3736	352.69
342.01	-5.3745	352.59
342.02	-5.3753	352.49
342.05	-5.378	352.24
342.14	-5.3857	351.67
342.24	-5.394	351.22
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342.44	-5.41	350.7
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342.64	-5.4251	350.55
342.74	-5.4324	350.59
342.84	-5.4394	350.69
342.94	-5.4463	350.85
343.	-5.4503	350.96
343.01	-5.451	350.98
343.02	-5.4516	350.99
343.05	-5.4536	351.03
343.14	-5.4594	351.07
343.24	-5.4656	351.05
343.34	-5.4717	351.
343.44	-5.4775	350.92
343.54	-5.4831	350.82
343.64	-5.4886	350.7
343.74	-5.4938	350.58
343.84	-5.4989	350.45
343.94	-5.5037	350.31
344.	-5.5066	350.22
344.01	-5.507	350.21
344.02	-5.5075	350.19
344.05	-5.5089	350.12
344.14	-5.5129	349.81
344.24	-5.5172	349.36
344.34	-5.5213	348.84
344.44	-5.5252	348.25
344.54	-5.5289	347.6
344.64	-5.5325	346.91
344.74	-5.5358	346.17
344.84	-5.5389	345.39
344.94	-5.5418	344.58
345.	-5.5435	344.08
345.01	-5.5438	344.
345.02	-5.5441	343.93
345.05	-5.5449	343.72
345.14	-5.5471	343.3

	-5.5495	342.98
345.34	-5.5516	342.79
345.44	-5.5535	342.7
345.54	-5.5553	342.69
345.64	-5.5568	342.75
345.74	-5.5581	342.88
345.84	-5.5593	343.06
345.94	-5.5602	343.29
346.	-5.5607	343.44
346.01	-5.5608	343.47
346.02	-5.5609	343.48
346.05	-5.5611	343.51
346.14	-5.5616	343.42
346.24	-5.562	343.17
346.34	-5.5622	342.79
346.44		342.32
346.54	-5.562	341.76
346.64	-5.5616	341.15
346.74	-5.5611	340.47
346.84	-5.5603	339.74
346.94	-5.5594	338.97
347.	-5.5588	338.49
347.01	-5.5587	338.41
347.02	-5.5586	338.33
347.05	-5.5583	338.11
347.14	-5.5571	337.55
347.24	-5.5557	336.98
347.34	-5.554	336.47
347.44	-5.5522	335.99
347.54	-5.5502	335.55
347.64	-5.548	335.12
347.74	-5.5456	334.72
347.84	-5.5431	334.33
347.94	-5.5403	333.96
348.	-5.5386	333.74
348.01	-5.5383	333.71
348.02	-5.538	333.67
348.05	-5.5372	333.59
348.14	-5.5344	333.42
348.24	-5.5311	333.32
348.34	-5.5276	333.29
348.44	-5.524	333.32
348.54	-5.5202	333.4
348.64	-5.5162	333.53
348.74	-5.5121	333.69
348.84	-5.5078	333.9
348.94	-5.5033	334.14
349.	-5.5005	334.3
349.01	-5.5001	334.32
349.02	-5.4996	334.34
349.05	-5.4982	334.38
349.14	-5.4939	334.32
349.24	-5.4889	334.11
349.34	-5.4838	333.79
349.44	-5.4785	333.39
349.54	-5.4731	332.91
349.64	-5.4675	332.36
349.74	-5.4618	331.77
349.84	-5.4559	331.12
349.94	-5.4498	330.43
350.	-5.4461	330.
350.01	-5.4455	329.93
350.02	-5.4449	329.86
350.05	-5.443	329.67
350.14	-5.4373	329.15
350.24	-5.4307	328.63

350.34	-5.424	328.16
350.44	-5.4172	327.71
350.54	-5.4102	327.28
350.64	-5.403	326.87
350.74	-5.3957	326.48
350.84	-5.3882	326.1
350.94	-5.3805	325.73
351.	-5.3759	325.53
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351.05	-5.372	
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351.24	-5.3567	325.54
351.34	-5.3484	
351.44	-5.3399	
351.54	-5.3313	325.55
351.64	-5.3226	
351.74	-5.3137	325.56
351.84	-5.3046	325.57
351.94	-5.2954	
352.	-5.2898	325.58
352.01	-5.2889	
352.02	-5.2879	325.57
352.05	-5.2851	
352.14	-5.2765	325.53
352.24	-5.2669	325.47
352.34	-5.2571	325.39
352.44	-5.2471	325.31
352.54	-5.237	325.21
352.64	-5.2267	325.11
352.74	-5.2163	324.99
352.84	-5.2057	324.87
352.94	-5.195	324.74
353.	-5.1885	324.66
353.01	-5.1874	324.65
353.02	-5.1864	324.64
353.05	-5.1831	324.61
353.14	-5.1732	324.58
353.24	-5.162	324.56
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353.54	-5.1276	324.63
353.64	-5.1158	324.68
353.74	-5.1039	324.74
353.84	-5.0919	324.82
353.94	-5.0797	324.9
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354.01	-5.0711	324.96
354.02	-5.0698	324.97
354.05	-5.0661	324.99
354.14	-5.0549	325.03
354.24	-5.0422	325.08
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354.44	-5.0165	325.15
354.54	-5.0035	325.18
354.64	-4.9903	325.2
354.74	-4.977	325.23
354.84	-4.9635	325.25
354.94	-4.95	325.27
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355.24	-4.9085	325.2
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355.94	-4.8068	324.52
356.	-4.7978	324.44
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356.74	-4.6824	324.53
356.84	-4.6662	324.6
356.94	-4.6499	324.68
357.	-4.64	324.73
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357.54	-4.5492	325.35
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357.74	-4.5146	325.63
357.84	-4.4972	325.78
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358.	-4.469	326.03
358.01	-4.4673	326.04
358.02	-4.4655	326.05
358.05	-4.4602	326.07
358.14	-4.4442	326.09
358.24	-4.4263	326.06
358.34	-4.4082	326.
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358.54	-4.3719	325.8
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361.64	-3.7517	325.86
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362.24	-3.6209	325.81
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366.05	-2.7235	325.96
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367.64	-2.3223	328.58
367.74	-2.2968	328.43
367.84	-2.2712	328.26
367.94	-2.2456	328.06
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369.02	-1.9663	
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369.14	-1.935	328.23
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370.	-1.7086	327.9
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370.02	-1.7033	
370.05	-1.6954	327.87
370.14	-1.6715	327.84
370.24	-1.645	327.81
370.34	-1.6184	327.79
370.44	-1.5919	327.77
370.54	-1.5652	327.75
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370.74	-1.5119	327.73
370.84	-1.4853	327.72
370.94	-1.4585	
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371.05	-1.4291	327.7
371.14	-1.405	327.66
371.24	-1.3782	327.6
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371.44	-1.3245	327.44
371.54	-1.2977	327.35
371.64	-1.2708	327.25
371.74	-1.2438	327.15
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372.02	-1.1682	326.86
372.05	-1.1601	326.84
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372.74	-0.97294	327.43
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373.	-0.9021	327.9
373.01	-0.89938	327.92
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373.05	-0.88846	327.96
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374.	-0.62842	327.39
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374.02	-0.62293	327.37
374.05	-0.6147	327.35
374.14	-0.58996	327.31
374.24	-0.56246	327.3
374.34	-0.53493	327.31
374.44	-0.50737	327.33
374.54	-0.47979	327.37
374.64	-0.45217	327.42
374.74	-0.42453	327.48
374.84	-0.39685	327.55
374.94	-0.36915	327.63
375.	-0.35252	327.68
375.01	-0.34974	327.69
375.02	-0.34697	
375.05	-0.33865	327.71
375.14	-0.31366	327.76
375.24	-0.28586	327.82
375.34	-0.25804	327.86
375.44	-0.23019	327.91
375.54	-0.20231	327.95
375.64	-0.17441	328.
375.74	-0.14648	328.04

375.84	-0.11854	328.08
375.94	-9.0567e-002	328.12
376.	-7.3778e-002	328.15
376.01	-7.0979e-002	
376.02	-6.8181e-002	
376.05	-5.9782e-002	328.16
376.14	-3.4571e-002	328.17
376.24	-6.538e-003	328.18
376.34	2.1515e-002	
376.44	4.959e-002	
376.54	7.7685e-002	328.17
376.64	0.1058	328.16
376.74	0.13394	328.14
376.84	0.1621	328.12
376.94	0.19028	328.1
377.	0.2072	328.08
377.01	0.21002	
377.02	0.21284	
377.05	0.22131	328.07
377.14	0.24671	328.05
377.24	0.27496	328.02
377.34	0.30324	327.99
377.44	0.33154	327.96
377.54	0.35987	327.93
377.64	0.38822	327.9
377.74	0.4166	327.87
377.84	0.44501	327.83
377.94	0.47344	327.8
378.	0.4905	327.77
378.01	0.49335	
378.02	0.49619	
378.05	0.50473	327.78
378.14	0.53035	327.83
378.24	0.55885	327.92
378.34	0.58737	328.04
378.44	0.61592	328.17
378.54	0.64447	328.33
378.64	0.67305	328.5
378.74	0.70164	328.68
378.84	0.73024	328.89
378.94	0.75884	329.1
379.	0.77601	329.23
379.01	0.77887	329.25
379.02	0.78174	329.27
379.05	0.79032	329.32
379.14	0.81609	329.41
379.24	0.84472	329.49
379.34	0.87335	329.54
379.44	0.90199	329.57
379.54	0.93062	329.58
379.64	0.95926	
379.74	0.98789	329.57
379.84	1.0165	329.54
379.94	1.0452	329.51
380.	1.0623	329.48
380.01	1.0652	
380.02	1.0681	329.47
380.05	1.0767	
380.14	1.1024	329.45
380.24	1.1311	329.43
380.34	1.1597	329.41
380.44	1.1884	329.39
380.54	1.217	329.37
380.64	1.2457	329.35
380.74	1.2743	329.33
380.84	1.303	329.31

380.94	1.3317	329.29
381.	1.3489	329.28
381.01	1.3518	
381.02	1.3546	
381.05	1.3632	329.27
381.14	1.3891	
381.24	1.4178	
381.34	1.4465	
381.44	1.4752	
381.54	1.504	329.28
381.64	1.5327	329.29
381.74	1.5615	329.3
381.84	1.5903	329.31
381.94	1.619	329.33
382.	1.6363	329.34
382.01	1.6392	
382.02	1.642	
382.05	1.6507	329.35
382.14	1.6766	329.41
382.24	1.7053	329.48
382.34	1.7341	329.56
382.44	1.7629	329.66
382.54	1.7916	329.76
382.64	1.8204	329.88
382.74	1.8491	330.
382.84	1.8779	330.13
382.94	1.9066	330.26
383.	1.9238	330.34
383.01	1.9267	330.36
383.02	1.9296	330.37
383.05	1.9382	330.4
383.14	1.964	330.5
383.24	1.9927	330.59
383.34	2.0214	330.68
383.44	2.0501	330.76
383.54	2.0787	330.84
383.64	2.1073	330.91
383.74	2.136	330.98
383.84	2.1645	331.05
383.94	2.1931	331.12
384.	2.2102	331.16
384.01	2.2131	
384.02	2.216	331.17
384.05	2.2245	331.18
384.14	2.2502	331.2
384.24	2.2787	
384.34	2.3072	
384.44	2.3357	331.18
384.54	2.3642	331.15
384.64	2.3926	331.11
384.74	2.421	331.07
384.84	2.4495	331.02
384.94	2.4779	330.96
385.	2.4949	330.92
385.01	2.4978	
385.02	2.5006	
385.05	2.5091	330.93
385.14	2.5347	331.02
385.24	2.563	331.17
385.34	2.5914	331.37
385.44	2.6197	331.59
385.54	2.6481	331.85
385.64	2.6764	332.13
385.74	2.7047	332.44
385.84	2.7329	332.77
385.94	2.7611	333.12

386.	2.7781	333.34
386.01	2.7809	333.38
386.02	2.7837	333.4
386.05	2.7922	333.48
386.14	2.8175	333.63
386.24	2.8457	333.75
386.34	2.8738	333.83
386.44	2.9018	333.88
386.54	2.9299	333.9
386.64	2.9579	333.89
386.74	2.9858	333.86
386.84	3.0137	333.81
386.94	3.0416	333.74
387.	3.0583	333.69
387.01	3.0611	
387.02	3.0639	333.68
387.05	3.0722	333.66
387.14	3.0972	333.61
387.24	3.125	333.55
387.34	3.1527	333.49
387.44	3.1804	333.43
387.54	3.208	333.37
387.64	3.2357	333.3
387.74	3.2633	333.23
387.84	3.2909	333.15
387.94	3.3185	333.07
388.	3.335	333.02
388.01	3.3378	
388.02	3.3405	333.01
388.05	3.3488	332.99
388.14	3.3736	332.95
388.24	3.4011	332.92
388.34	3.4286	332.89
388.44	3.4561	332.86
388.54	3.4836	332.85
388.64	3.511	332.83
388.74	3.5384	332.82
388.84	3.5659	332.81
388.94	3.5933	
389.	3.6097	
389.01	3.6124	
389.02	3.6152	
389.05	3.6234	332.83
389.14	3.648	332.91
389.24	3.6753	333.02
389.34	3.7026	333.17
389.44	3.7298	333.33
389.54	3.7571	333.52
389.64	3.7843	333.72
389.74	3.8114	333.93
389.84	3.8385	334.16
389.94	3.8656	334.41
390.	3.8818	334.56
390.01	3.8845	334.58
390.02	3.8872	334.6
390.05	3.8953	334.65
390.14	3.9196	334.74
390.24	3.9466	334.79
390.34	3.9734	334.8
390.44	4.0003	334.79
390.54	4.0271	334.75
390.64	4.0538	334.69
390.74	4.0805	334.61
390.84	4.1072	334.51
390.94	4.1338	334.4
391.	4.1498	334.32

391.01	4.1525	334.31
391.02	4.1551	334.3
391.05	4.1631	334.28
391.14	4.187	334.22
391.24	4.2135	334.17
391.34	4.24	334.13
391.44	4.2664	334.1
391.54	4.2929	334.07
391.64	4.3193	334.04
391.74	4.3457	334.02
391.84	4.3721	334.
391.94	4.3984	333.99
392.	4.4142	
392.01	4.4168	333.98
392.02	4.4195	
392.05	4.4274	333.97
392.14	4.4511	333.96
392.24	4.4774	
392.34	4.5037	333.95
392.44	4.5299	333.94
392.54	4.5562	
392.64	4.5824	
392.74	4.6087	333.93
392.84	4.6349	
392.94	4.6611	
393.	4.6768	
393.01	4.6794	
393.02	4.682	333.92
393.05	4.6899	
393.14	4.7134	
393.24	4.7396	
393.34	4.7657	
393.44	4.7918	333.91
393.54	4.8179	
393.64	4.844	
393.74	4.8701	
393.84	4.8961	
393.94	4.9222	333.9
394.	4.9378	
394.01	4.9404	
394.02	4.943	
394.05	4.9508	
394.14	4.9742	
394.24	5.0002	
394.34	5.0262	333.89
394.44	5.0521	
394.54	5.0781	
394.64	5.104	
394.74	5.1299	
394.84	5.1559	
394.94	5.1818	
395.	5.1973	
395.01	5.1999	333.88
395.02	5.2025	
395.05	5.2103	
395.14	5.2336	
395.24	5.2595	
395.34	5.2853	
395.44	5.3112	
395.54	5.3371	333.89
395.64	5.363	
395.74	5.3888	
395.84	5.4147	333.9
395.94	5.4405	
396.	5.4561	
396.01	5.4586	

396.02	5.4612	333.91
396.05	5.469	
396.14	5.4922	
396.24	5.5181	333.92
396.34	5.544	333.93
396.44	5.5698	333.94
396.54	5.5957	333.95
396.64	5.6215	333.96
396.74	5.6474	333.97
396.84	5.6732	
396.94	5.6991	333.99
397.	5.7146	
397.01	5.7172	
397.02	5.7198	
397.05	5.7275	334.
397.14	5.7508	
397.24	5.7767	
397.34	5.8025	334.01
397.44	5.8284	
397.54	5.8543	
397.64	5.8802	
397.74	5.9061	
397.84	5.932	
397.94	5.9579	334.
398.	5.9734	
398.01	5.976	
398.02	5.9786	
398.05	5.9864	
398.14	6.0097	
398.24	6.0356	
398.34	6.0615	
398.44	6.0875	
398.54	6.1134	
398.64	6.1394	
398.74	6.1653	
398.84	6.1913	
398.94	6.2173	
399.	6.2329	
399.01	6.2355	
399.02	6.2381	
399.05	6.2459	
399.14	6.2693	
399.24	6.2953	
399.34	6.3213	334.01
399.44	6.3473	
399.54	6.3734	
399.64	6.3994	
399.74	6.4255	334.02
399.84	6.4515	
399.94	6.4776	
400.	6.4933	
400.01	6.4959	
400.02	6.4985	
400.05	6.5063	
400.14	6.5298	333.98
400.24	6.5559	333.93
400.34	6.582	333.87
400.44	6.6082	333.81
400.54	6.6343	333.73
400.64	6.6605	333.65
400.74	6.6867	333.57
400.84	6.7129	333.5
400.94	6.7391	333.44
401.	6.7548	333.41
401.01	6.7574	333.4
401.02	6.7601	

401.05	6.7679	333.38
401.14	6.7916	333.34
401.24	6.8178	333.31
401.34	6.8441	333.29
401.44	6.8704	333.33
401.54	6.8967	333.4
401.64	6.923	333.47
401.74	6.9494	333.56
401.84	6.9757	333.66
401.94	7.0021	333.77
402.	7.0179	333.84
402.01	7.0206	333.85
402.02	7.0232	333.86
402.05	7.0311	333.88
402.14	7.0549	333.92
402.24	7.0813	333.94
402.34	7.1077	333.95
402.44	7.1341	
402.54	7.1605	333.94
402.64	7.187	333.91
402.74	7.2134	333.88
402.84	7.2399	333.85
402.94	7.2664	333.8
403.	7.2822	333.78
403.01	7.2849	333.77
403.02	7.2875	
403.05	7.2955	333.76
403.14	7.3193	333.74
403.24	7.3458	333.72
403.34	7.3723	333.71
403.44	7.3988	333.7
403.54	7.4253	333.69
403.64	7.4518	333.68
403.74	7.4784	
403.84	7.505	333.67
403.94	7.5315	
404.	7.5475	
404.01	7.5501	
404.02	7.5528	
404.05	7.5608	
404.14	7.5847	333.66
404.24	7.6113	
404.34	7.638	333.65
404.44	7.6646	
404.54	7.6913	333.64
404.64	7.7179	333.63
404.74	7.7446	
404.84	7.7713	333.62
404.94	7.7981	333.61
405.	7.8141	
405.01	7.8168	
405.02	7.8194	
405.05	7.8275	333.6
405.14	7.8515	
405.24	7.8783	333.58
405.34	7.9051	333.57
405.44	7.9318	333.56
405.54	7.9586	333.55
405.64	7.9854	333.53
405.74	8.0122	333.52
405.84	8.0391	333.5
405.94	8.0659	333.49
406.	8.082	333.48
406.01	8.0847	
406.02	8.0874	333.47
406.05	8.0955	

406.14	8.1196	333.45
406.24	8.1465	333.43
406.34	8.1734	333.42
406.44	8.2003	333.4
406.54	8.2272	333.37
406.64	8.2541	333.35
406.74	8.2811	333.33
406.84	8.308	333.31
406.94	8.335	333.29
407.	8.3511	333.27
407.01	8.3538	
407.02	8.3565	
407.05	8.3646	333.26
407.14	8.3889	333.25
407.24	8.4159	333.23
407.34	8.4429	333.21
407.44	8.4699	333.19
407.54	8.4969	333.18
407.64	8.524	333.16
407.74	8.551	333.15
407.84	8.5781	333.13
407.94	8.6052	333.12
408.	8.6214	333.11
408.01	8.6241	
408.02	8.6268	
408.05	8.635	
408.14	8.6593	333.1
408.24	8.6864	333.08
408.34	8.7136	
408.44	8.7407	333.07
408.54	8.7678	333.06
408.64	8.795	333.05
408.74	8.8221	
408.84	8.8493	333.04
408.94	8.8765	
409.	8.8928	
409.01	8.8955	
409.02	8.8982	
409.05	8.9064	
409.14	8.9308	333.03
409.24	8.958	
409.34	8.9853	
409.44	9.0125	333.02
409.54	9.0397	
409.64	9.067	
409.74	9.0942	333.01
409.84	9.1215	
409.94	9.1487	
410.	9.1651	
410.01	9.1678	
410.02	9.1705	333.
410.05	9.1787	
410.14	9.2033	
410.24	9.2306	332.99
410.34	9.2578	332.98
410.44	9.2852	
410.54	9.3125	332.97
410.64	9.3398	332.96
410.74	9.3671	332.95
410.84	9.3944	332.94
410.94	9.4218	332.93
411.	9.4382	332.92
411.01	9.4409	
411.02	9.4437	
411.05	9.4519	332.93
411.14	9.4765	332.94

411.24	9.5039	332.97
411.34	9.5312	333.
411.44	9.5586	333.04
411.54	9.586	333.08
411.64	9.6134	333.13
411.74	9.6408	333.18
411.84	9.6682	333.24
411.94	9.6956	333.3
412.	9.712	333.34
412.01	9.7148	
412.02	9.7175	333.35
412.05	9.7257	333.36
412.14	9.7504	333.37
412.24	9.7778	
412.34	9.8052	333.35
412.44	9.8326	333.33
412.54	9.8601	333.3
412.64	9.8875	333.26
412.74	9.9149	333.22
412.84	9.9423	333.17
412.94	9.9698	333.11
413.	9.9862	333.07
413.01	9.989	
413.02	9.9917	333.06
413.05	9.9999	333.04
413.14	10.025	332.99
413.24	10.052	332.94
413.34	10.08	332.89
413.44	10.107	332.85
413.54	10.134	332.81
413.64	10.162	332.77
413.74	10.189	332.73
413.84	10.217	332.69
413.94	10.244	332.66
414.	10.261	332.64
414.01	10.264	
414.02	10.266	
414.05	10.275	332.63
414.14	10.299	332.6
414.24	10.327	332.57
414.34	10.354	332.55
414.44	10.382	332.52
414.54	10.41	332.5
414.64	10.437	332.47
414.74	10.465	332.44
414.84	10.492	332.42
414.94	10.52	332.39
415.	10.536	332.37
415.01	10.539	
415.02	10.542	332.36
415.05	10.55	
415.14	10.575	332.33
415.24	10.603	332.3
415.34	10.63	332.27
415.44	10.658	332.24
415.54	10.686	332.21
415.64	10.713	332.18
415.74	10.741	332.15
415.84	10.769	332.12
415.94	10.796	332.09
416.	10.813	332.07
416.01	10.816	
416.02	10.819	
416.05	10.827	332.06
416.14	10.852	332.03
416.24	10.879	332.

416.34	10.907	331.97
416.44	10.935	331.95
416.54	10.963	331.92
416.64	10.99	331.9
416.74	11.018	331.88
416.84	11.046	331.9
416.94	11.073	331.96
417.	11.09	332.02
417.01	11.093	
417.02	11.096	332.03
417.05	11.104	332.05
417.14	11.129	332.11
417.24	11.157	332.16
417.34	11.184	332.2
417.44	11.212	332.23
417.54	11.24	332.26
417.64	11.268	332.29
417.74	11.295	332.31
417.84	11.323	332.33
417.94	11.351	332.35
418.	11.367	332.36
418.01	11.37	
418.02	11.373	
418.05	11.381	332.35
418.14	11.406	332.32
418.24	11.434	332.27
418.34	11.461	332.2
418.44	11.489	332.12
418.54	11.517	332.06
418.64	11.545	332.01
418.74	11.572	331.96
418.84	11.6	331.91
418.94	11.628	331.87
419.	11.644	331.84
419.01	11.647	
419.02	11.65	
419.05	11.658	331.83
419.14	11.683	331.8
419.24	11.711	331.77
419.34	11.739	331.74
419.44	11.767	331.72
419.54	11.794	331.7
419.64	11.822	331.67
419.74	11.85	331.65
419.84	11.878	331.63
419.94	11.906	331.6
420.	11.922	331.59
420.01	11.925	
420.02	11.928	
420.05	11.936	331.58
420.14	11.961	331.56
420.24	11.989	331.54
420.34	12.017	331.52
420.44	12.045	331.51
420.54	12.073	331.49
420.64	12.101	331.47
420.74	12.129	331.45
420.84	12.157	331.43
420.94	12.185	331.41
421.	12.201	331.4
421.01	12.204	
421.02	12.207	331.39
421.05	12.215	
421.14	12.24	331.37
421.24	12.268	331.35
421.34	12.296	331.32

421.44	12.324	331.3
421.54	12.352	331.28
421.64	12.38	331.25
421.74	12.408	331.23
421.84	12.436	331.21
421.94	12.464	331.19
422.	12.481	331.18
422.01	12.483	
422.02	12.486	
422.05	12.495	331.17
422.14	12.52	331.15
422.24	12.548	331.14
422.34	12.576	331.12
422.44	12.604	331.1
422.54	12.632	331.09
422.64	12.659	331.07
422.74	12.687	331.05
422.84	12.715	331.03
422.94	12.743	331.01
423.	12.76	331.
423.01	12.763	
423.02	12.766	330.99
423.05	12.774	
423.14	12.799	330.97
423.24	12.827	330.94
423.34	12.855	330.92
423.44	12.883	330.9
423.54	12.911	330.88
423.64	12.939	330.86
423.74	12.967	330.84
423.84	12.995	330.83
423.94	13.023	330.86
424.	13.04	330.9
424.01	13.042	330.91
424.02	13.045	330.92
424.05	13.054	330.93
424.14	13.079	330.95
424.24	13.107	330.96
424.34	13.135	
424.44	13.163	330.95
424.54	13.19	330.92
424.64	13.218	330.89
424.74	13.246	330.86
424.84	13.274	330.84
424.94	13.302	330.82
425.	13.319	330.81
425.01	13.322	330.8
425.02	13.324	
425.05	13.333	
425.14	13.358	330.78
425.24	13.386	330.76
425.34	13.414	330.74
425.44	13.442	330.72
425.54	13.47	330.7
425.64	13.497	330.68
425.74	13.525	330.66
425.84	13.553	330.64
425.94	13.581	330.62
426.	13.598	330.61
426.01	13.601	
426.02	13.604	
426.05	13.612	330.6
426.14	13.637	330.58
426.24	13.665	330.56
426.34	13.693	330.54
426.44	13.721	330.51

426.54	13.749	330.49
426.64	13.777	330.46
426.74	13.805	330.44
426.84	13.832	330.41
426.94	13.86	330.39
427.	13.877	330.38
427.01	13.88	330.37
427.02	13.883	
427.05	13.891	330.36
427.14	13.916	330.34
427.24	13.944	330.32
427.34	13.972	330.3
427.44	14.	330.28
427.54	14.028	330.26
427.64	14.056	330.23
427.74	14.084	330.21
427.84	14.112	330.19
427.94	14.14	330.16
428.	14.156	330.14
428.01	14.159	
428.02	14.162	
428.05	14.17	330.13
428.14	14.195	330.11
428.24	14.223	330.08
428.34	14.251	330.05
428.44	14.279	330.02
428.54	14.307	329.99
428.64	14.335	329.96
428.74	14.363	329.94
428.84	14.391	329.91
428.94	14.419	329.88
429.	14.435	329.87
429.01	14.438	
429.02	14.441	
429.05	14.449	329.86
429.14	14.474	329.84
429.24	14.502	329.82
429.34	14.53	329.8
429.44	14.558	329.77
429.54	14.586	329.75
429.64	14.614	329.73
429.74	14.642	329.71
429.84	14.67	329.69
429.94	14.697	329.66
430.	14.714	329.65
430.01	14.717	
430.02	14.72	
430.05	14.728	329.64
430.14	14.753	329.61
430.24	14.781	329.59
430.34	14.809	329.56
430.44	14.837	329.53
430.54	14.864	329.51
430.64	14.892	329.48
430.74	14.92	329.45
430.84	14.948	329.43
430.94	14.976	329.4
431.	14.993	329.39
431.01	14.995	329.38
431.02	14.998	
431.05	15.006	329.37
431.14	15.031	329.35
431.24	15.059	329.33
431.34	15.087	329.3
431.44	15.115	329.28
431.54	15.143	329.26

431.64	15.171	329.24
431.74	15.198	329.22
431.84	15.226	329.2
431.94	15.254	329.17
432.	15.271	329.16
432.01	15.274	
432.02	15.276	
432.05	15.285	329.15
432.14	15.31	329.13
432.24	15.338	329.11
432.34	15.365	329.09
432.44	15.393	329.07
432.54	15.421	329.05
432.64	15.449	329.03
432.74	15.477	329.01
432.84	15.504	328.99
432.94	15.532	328.97
433.	15.549	328.95
433.01	15.552	
433.02	15.554	
433.05	15.563	328.94
433.14	15.588	328.93
433.24	15.615	328.9
433.34	15.643	328.88
433.44	15.671	328.86
433.54	15.699	328.84
433.64	15.727	328.82
433.74	15.754	328.8
433.84	15.782	328.78
433.94	15.81	328.76
434.	15.826	328.74
434.01	15.829	
434.02	15.832	
434.05	15.84	328.73
434.14	15.865	328.71
434.24	15.893	328.69
434.34	15.921	328.67
434.44	15.948	328.65
434.54	15.976	328.63
434.64	16.004	328.6
434.74	16.032	328.58
434.84	16.059	328.55
434.94	16.087	328.53
435.	16.104	328.51
435.01	16.107	
435.02	16.109	328.5
435.05	16.118	
435.14	16.143	328.47
435.24	16.17	328.44
435.34	16.198	328.41
435.44	16.226	328.38
435.54	16.253	328.34
435.64	16.281	328.31
435.74	16.309	328.28
435.84	16.337	328.24
435.94	16.364	328.21
436.	16.381	328.19
436.01	16.384	
436.02	16.386	328.18
436.05	16.395	328.17
436.14	16.42	328.14
436.24	16.447	328.11
436.34	16.475	328.07
436.44	16.503	328.04
436.54	16.531	328.
436.64	16.558	327.97

436.74	16.586	327.93
436.84	16.614	327.9
436.94	16.641	327.87
437.	16.658	327.85
437.01	16.661	
437.02	16.664	
437.05	16.672	327.84
437.14	16.697	327.81
437.24	16.724	327.78
437.34	16.752	327.75
437.44	16.78	327.72
437.54	16.807	327.69
437.64	16.835	327.66
437.74	16.863	327.63
437.84	16.89	327.6
437.94	16.918	327.57
438.	16.935	327.55
438.01	16.937	
438.02	16.94	
438.05	16.949	327.54
438.14	16.973	327.51
438.24	17.001	327.47
438.34	17.029	327.44
438.44	17.056	327.4
438.54	17.084	327.37
438.64	17.112	327.33
438.74	17.139	327.3
438.84	17.167	327.26
438.94	17.195	327.22
439.	17.211	327.2
439.01	17.214	
439.02	17.217	
439.05	17.225	327.18
439.14	17.25	327.15
439.24	17.277	327.12
439.34	17.305	327.08
439.44	17.333	327.04
439.54	17.36	327.01
439.64	17.388	326.97
439.74	17.416	326.93
439.84	17.443	326.9
439.94	17.471	326.86
440.	17.488	326.84
440.01	17.49	
440.02	17.493	326.83
440.05	17.501	326.82
440.14	17.526	326.79
440.24	17.554	326.75
440.34	17.582	326.71
440.44	17.609	326.67
440.54	17.637	326.64
440.64	17.665	326.6
440.74	17.692	326.56
440.84	17.72	326.52
440.94	17.747	326.48
441.	17.764	326.46
441.01	17.767	326.45
441.02	17.77	
441.05	17.778	326.44
441.14	17.803	326.4
441.24	17.83	326.37
441.34	17.858	326.33
441.44	17.886	326.29
441.54	17.913	326.25
441.64	17.941	326.21
441.74	17.969	326.17

441.84	17.996	326.13
441.94	18.024	326.09
442.	18.041	326.07
442.01	18.043	326.06
442.02	18.046	
442.05	18.055	326.05
442.14	18.079	326.01
442.24	18.107	325.97
442.34	18.135	325.94
442.44	18.162	325.9
442.54	18.19	325.86
442.64	18.218	325.82
442.74	18.246	325.78
442.84	18.273	325.74
442.94	18.301	325.7
443.	18.317	325.68
443.01	18.32	
443.02	18.323	325.67
443.05	18.331	325.66
443.14	18.356	325.62
443.24	18.384	325.59
443.34	18.412	325.55
443.44	18.439	325.51
443.54	18.467	325.47
443.64	18.495	325.43
443.74	18.522	325.39
443.84	18.55	325.36
443.94	18.578	325.32
444.	18.594	325.3
444.01	18.597	325.29
444.02	18.6	
444.05	18.608	325.28
444.14	18.633	325.24
444.24	18.661	325.2
444.34	18.689	325.17
444.44	18.716	325.13
444.54	18.744	325.09
444.64	18.772	325.05
444.74	18.799	325.01
444.84	18.827	324.98
444.94	18.855	324.94
445.	18.871	324.92
445.01	18.874	324.91
445.02	18.877	
445.05	18.885	324.9
445.14	18.91	324.86
445.24	18.938	324.82
445.34	18.966	324.79
445.44	18.993	324.75
445.54	19.021	324.71
445.64	19.037	324.68
445.74	19.032	324.64
445.84	19.028	324.61
445.94	19.024	324.57
446.	19.021	324.55
446.01		
446.02	19.02	324.54
446.05	19.019	324.53
446.14	19.015	324.5
446.24	19.01	324.47
446.34	19.006	324.44
446.44	19.002	324.41
446.54	18.997	324.38
446.64	18.993	324.35
446.74	18.988	324.32
446.84	18.984	324.29

446.94	18.98	324.26
447.	18.977	324.24
447.01	18.976	
447.02		324.23
447.05	18.975	
447.14	18.971	324.2
447.24	18.966	324.17
447.34	18.962	324.14
447.44	18.958	324.11
447.54	18.953	324.08
447.64	18.949	324.05
447.74	18.944	324.03
447.84	18.94	324.
447.94	18.936	323.97
448.	18.933	323.95
448.01		
448.02	18.932	323.94
448.05	18.931	
448.14	18.927	323.91
448.24	18.923	323.88
448.34	18.918	323.85
448.44	18.914	323.82
448.54	18.909	323.79
448.64	18.905	323.76
448.74	18.901	323.73
448.84	18.896	323.7
448.94	18.892	323.67
449.	18.889	323.65
449.01		323.64
449.02		
449.05	18.887	323.63
449.14	18.883	323.6
449.24	18.879	323.57
449.34	18.875	323.53
449.44	18.87	323.5
449.54	18.866	323.46
449.64	18.862	323.43
449.74	18.857	323.39
449.84	18.853	323.35
449.94	18.849	323.32
450.	18.846	323.29
450.01		
450.02	18.845	
450.05	18.844	323.28
450.14	18.84	323.24
450.24	18.836	323.21
450.34	18.832	323.17
450.44	18.828	323.13
450.54	18.823	323.09
450.64	18.819	323.06
450.74	18.815	323.02
450.84	18.811	322.98
450.94	18.806	322.94
451.	18.804	322.92
451.01	18.803	
451.02		322.91
451.05	18.802	322.9
451.14	18.798	322.87
451.24	18.794	322.83
451.34	18.789	322.79
451.44	18.785	322.76
451.54	18.781	322.72
451.64	18.777	322.68
451.74	18.773	322.64
451.84	18.768	322.61
451.94	18.764	322.57

452.	18.762	322.55
452.01	18.761	322.54
452.02		
452.05	18.76	322.53
452.14	18.756	322.49
452.24	18.752	322.46
452.34	18.748	322.42
452.44	18.743	322.38
452.54	18.739	322.34
452.64	18.735	322.31
452.74	18.731	322.27
452.84	18.727	322.23
452.94	18.723	322.19
453.	18.72	322.17
453.01		
453.02	18.719	322.16
453.05	18.718	322.15
453.14	18.715	322.12
453.24	18.71	322.08
453.34	18.706	322.04
453.44	18.702	322.01
453.54	18.698	321.97
453.64	18.694	321.93
453.74	18.69	321.89
453.84	18.686	321.85
453.94	18.682	321.82
454.	18.679	321.79
454.01		
454.02	18.678	
454.05	18.677	321.78
454.14	18.674	321.74
454.24	18.67	321.7
454.34	18.665	321.67
454.44	18.661	321.63
454.54	18.657	321.59
454.64	18.653	321.55
454.74	18.649	321.51
454.84	18.645	321.48
454.94	18.641	321.44
455.	18.639	321.42
455.01	18.638	321.41
455.02		
455.05	18.637	321.4
455.14	18.633	321.36
455.24	18.629	321.33
455.34	18.625	321.29
455.44	18.621	321.25
455.54	18.617	321.21
455.64	18.613	321.18
455.74	18.609	321.14
455.84	18.605	321.1
455.94	18.601	321.06
456.	18.599	321.04
456.01	18.598	
456.02		321.03
456.05	18.597	321.02
456.14	18.593	320.99
456.24	18.589	320.95
456.34	18.585	320.91
456.44	18.581	320.87
456.54	18.577	320.84
456.64	18.573	320.8
456.74	18.569	320.76
456.84	18.565	320.73
456.94	18.562	320.69
457.		

457.01	18.559	320.67
457.02	18.558	320.66
457.05	18.557	320.65
457.14	18.554	320.62
457.24	18.55	320.59
457.34	18.546	320.55
457.44	18.542	320.52
457.54	18.538	320.49
457.64	18.534	320.45
457.74	18.53	320.42
457.84	18.526	320.39
457.94	18.522	320.35
458.	18.52	320.33
458.01		
458.02	18.519	320.32
458.05	18.518	320.31
458.14	18.515	320.28
458.24	18.511	320.25
458.34	18.507	320.21
458.44	18.503	320.18
458.54	18.499	320.14
458.64	18.495	320.1
458.74	18.491	320.07
458.84	18.488	320.03
458.94	18.484	320.
459.	18.481	319.98
459.01		319.97
459.02		
459.05	18.479	319.96
459.14	18.476	319.93
459.24	18.472	319.9
459.34	18.468	319.86
459.44	18.465	319.83
459.54	18.461	319.8
459.64	18.457	319.76
459.74	18.453	319.73
459.84	18.449	319.69
459.94	18.445	319.66
460.	18.443	319.64
460.01		
460.02	18.442	319.63
460.05	18.441	319.62
460.14	18.438	319.59
460.24	18.434	319.56
460.34	18.43	319.52
460.44	18.427	319.48
460.54	18.423	319.45
460.64	18.419	319.41
460.74	18.415	319.38
460.84	18.411	319.34
460.94	18.408	319.31
461.	18.405	319.29
461.01		319.28
461.02		
461.05	18.404	319.27
461.14	18.4	319.24
461.24	18.396	319.2
461.34	18.393	319.17
461.44	18.389	319.14
461.54	18.385	319.1
461.64	18.382	319.07
461.74	18.378	319.03
461.84	18.374	319.
461.94	18.371	318.97
462.	18.368	318.95
462.01		

462.02		318.94
462.05	18.366	318.93
462.14	18.363	318.9
462.24	18.359	318.86
462.34	18.356	318.82
462.44	18.352	318.79
462.54	18.348	318.75
462.64	18.345	318.72
462.74	18.341	318.68
462.84	18.337	318.64
462.94	18.334	318.6
463.	18.332	318.58
463.01	18.331	
463.02		318.57
463.05	18.33	318.56
463.14	18.327	318.53
463.24	18.323	318.49
463.34	18.319	318.46
463.44	18.316	318.42
463.54	18.312	318.38
463.64	18.309	318.35
463.74	18.305	318.31
463.84	18.301	318.27
463.94	18.298	318.24
464.	18.296	318.22
464.01	18.295	318.21
464.02		
464.05	18.294	318.2
464.14	18.291	318.17
464.24	18.287	318.13
464.34	18.283	318.1
464.44	18.28	318.07
464.54	18.276	318.03
464.64	18.273	318.
464.74	18.269	317.96
464.84	18.266	317.93
464.94	18.262	317.9
465.	18.26	317.88
465.01		
465.02	18.259	317.87
465.05	18.258	317.86
465.14	18.255	317.83
465.24	18.252	317.8
465.34	18.248	317.77
465.44	18.245	317.74
465.54	18.241	317.7
465.64	18.238	317.67
465.74	18.234	317.64
465.84	18.231	317.6
465.94	18.227	317.57
466.	18.225	317.55
466.01		
466.02	18.224	317.54
466.05	18.223	317.53
466.14	18.22	317.5
466.24	18.217	317.47
466.34	18.213	317.43
466.44	18.21	317.4
466.54	18.206	317.36
466.64	18.203	317.33
466.74	18.2	317.29
466.84	18.196	317.25
466.94	18.193	317.22
467.	18.191	317.2
467.01	18.19	317.19
467.02		

467.05	18.189	317.18
467.14	18.186	317.15
467.24	18.182	317.11
467.34	18.179	317.08
467.44	18.176	317.04
467.54	18.172	317.
467.64	18.169	316.97
467.74	18.165	316.93
467.84	18.162	316.9
467.94	18.159	316.86
468.	18.157	316.84
468.01	18.156	
468.02		
468.05	18.155	316.83
468.14	18.152	316.8
468.24	18.149	316.77
468.34	18.145	316.74
468.44	18.142	316.71
468.54	18.139	316.68
468.64	18.135	316.65
468.74	18.132	316.62
468.84	18.129	316.59
468.94	18.125	316.56
469.	18.123	316.54
469.01		
469.02		
469.05	18.122	316.53
469.14	18.119	316.5
469.24	18.115	316.47
469.34	18.112	316.44
469.44	18.109	316.41
469.54	18.106	316.38
469.64	18.102	316.35
469.74	18.099	316.32
469.84	18.096	316.29
469.94	18.093	316.26
470.	18.091	316.24
470.01	18.09	
470.02		
470.05	18.089	316.23
470.14	18.086	316.2
470.24	18.083	316.17
470.34	18.08	316.14
470.44	18.076	316.11
470.54	18.073	316.07
470.64	18.07	316.04
470.74	18.067	316.01
470.84	18.063	315.98
470.94	18.06	315.95
471.	18.058	315.93
471.01		
471.02		315.92
471.05	18.057	
471.14	18.054	315.89
471.24	18.051	315.86
471.34	18.047	315.83
471.44	18.044	315.8
471.54	18.041	315.77
471.64	18.038	315.74
471.74	18.035	315.71
471.84	18.032	315.68
471.94	18.028	315.65
472.	18.027	315.63
472.01	18.026	315.62
472.02		
472.05	18.025	315.61

472.14	18.022	315.58
472.24	18.019	315.55
472.34	18.016	315.52
472.44	18.013	315.49
472.54	18.01	315.46
472.64	18.007	315.43
472.74	18.003	315.39
472.84	18.	315.36
472.94	17.997	315.33
473.	17.995	315.31
473.01		
473.02		
473.05	17.994	315.3
473.14	17.991	315.27
473.24	17.988	315.24
473.34	17.985	315.2
473.44	17.982	315.17
473.54	17.979	315.14
473.64	17.976	315.11
473.74	17.973	315.08
473.84	17.97	315.05
473.94	17.967	315.01
474.	17.965	314.99
474.01		
474.02	17.964	
474.05	17.963	314.98
474.14	17.961	314.95
474.24	17.958	314.92
474.34	17.955	314.89
474.44	17.952	314.85
474.54	17.949	314.82
474.64	17.946	314.79
474.74	17.943	314.76
474.84	17.94	314.73
474.94	17.937	314.69
475.	17.935	314.68
475.01		314.67
475.02	17.934	
475.05	17.933	314.66
475.14	17.931	314.63
475.24	17.928	314.6
475.34	17.925	314.57
475.44	17.922	314.53
475.54	17.919	314.5
475.64	17.916	314.47
475.74	17.913	314.44
475.84	17.91	314.4
475.94	17.907	314.37
476.	17.906	314.35
476.01	17.905	
476.02		
476.05	17.904	314.34
476.14	17.901	314.31
476.24	17.899	314.27
476.34	17.896	314.24
476.44	17.893	314.21
476.54	17.89	314.18
476.64	17.887	314.15
476.74	17.884	314.11
476.84	17.881	314.08
476.94	17.878	314.05
477.	17.877	314.03
477.01	17.876	
477.02		314.02
477.05	17.875	314.01
477.14	17.873	313.98

477.24	17.87	313.95
477.34	17.867	313.92
477.44	17.864	313.89
477.54	17.861	313.86
477.64	17.858	313.83
477.74	17.856	313.79
477.84	17.853	313.76
477.94	17.85	313.73
478.	17.848	313.71
478.01		
478.02		
478.05	17.847	313.7
478.14	17.844	313.67
478.24	17.842	313.64
478.34	17.839	313.61
478.44	17.836	313.58
478.54	17.833	313.55
478.64	17.83	313.52
478.74	17.828	313.49
478.84	17.825	313.46
478.94	17.822	313.43
479.	17.82	313.41
479.01		
479.02		313.4
479.05	17.819	313.39
479.14	17.817	313.36
479.24	17.814	313.33
479.34	17.811	313.3
479.44	17.808	313.27
479.54	17.806	313.24
479.64	17.803	313.21
479.74	17.8	313.18
479.84	17.797	313.15
479.94	17.795	313.12
480.	17.793	313.1
480.01		313.09
480.02		
480.05	17.792	313.08
480.14	17.789	313.05
480.24	17.787	313.02
480.34	17.784	312.99
480.44	17.781	312.96
480.54	17.779	312.93
480.64	17.776	312.9
480.74	17.773	312.87
480.84	17.771	312.84
480.94	17.768	312.81
481.	17.766	312.8
481.01		312.79
481.02		
481.05	17.765	312.78
481.14	17.763	312.76
481.24	17.76	312.73
481.34	17.757	312.7
481.44	17.755	312.67
481.54	17.752	312.64
481.64	17.749	312.61
481.74	17.747	312.58
481.84	17.744	312.55
481.94	17.742	312.51
482.	17.74	312.5
482.01		312.49
482.02	17.739	
482.05		312.48
482.14	17.736	312.45
482.24	17.734	312.42

482.34	17.731	312.39
482.44	17.729	312.36
482.54	17.726	312.33
482.64	17.723	312.3
482.74	17.721	312.26
482.84	17.718	312.23
482.94	17.716	312.2
483.	17.714	312.18
483.01		
483.02		
483.05	17.713	312.17
483.14	17.711	312.14
483.24	17.708	312.11
483.34	17.706	312.08
483.44	17.703	312.05
483.54	17.701	312.02
483.64	17.698	311.99
483.74	17.695	311.96
483.84	17.693	311.93
483.94	17.69	311.9
484.	17.689	311.88
484.01		311.87
484.02	17.688	
484.05		311.86
484.14	17.685	311.83
484.24	17.683	311.8
484.34	17.681	311.77
484.44	17.678	311.74
484.54	17.676	311.71
484.64	17.673	311.68
484.74	17.671	311.64
484.84	17.668	311.61
484.94	17.666	311.58
485.	17.664	311.56
485.01		
485.02		
485.05	17.663	311.55
485.14	17.661	311.52
485.24	17.658	311.49
485.34	17.656	311.45
485.44	17.654	311.42
485.54	17.651	311.39
485.64	17.649	311.36
485.74	17.646	311.33
485.84	17.644	311.29
485.94	17.642	311.26
486.	17.64	311.24
486.01		
486.02		
486.05	17.639	311.23
486.14	17.637	311.2
486.24	17.634	311.17
486.34	17.632	311.14
486.44	17.63	311.1
486.54	17.627	311.07
486.64	17.625	311.04
486.74	17.623	311.01
486.84	17.62	310.98
486.94	17.618	310.95
487.	17.616	310.93
487.01		310.92
487.02		
487.05	17.615	310.91
487.14	17.613	310.88
487.24	17.611	310.85
487.34	17.609	310.82

487.44	17.606	310.79
487.54	17.604	310.76
487.64	17.602	310.72
487.74	17.599	310.69
487.84	17.597	310.66
487.94	17.595	310.63
488.	17.593	310.61
488.01		310.6
488.02		
488.05	17.592	310.59
488.14	17.59	310.56
488.24	17.588	310.53
488.34	17.586	310.5
488.44	17.583	310.47
488.54	17.581	310.43
488.64	17.579	310.4
488.74	17.577	310.37
488.84	17.574	310.34
488.94	17.572	310.3
489.	17.571	310.28
489.01		
489.02	17.57	
489.05		310.27
489.14	17.568	310.24
489.24	17.565	310.21
489.34	17.563	310.17
489.44	17.561	310.14
489.54	17.559	310.11
489.64	17.557	310.08
489.74	17.554	310.05
489.84	17.552	310.01
489.94	17.55	309.98
490.	17.549	309.96
490.01	17.548	
490.02		
490.05		309.95
490.14	17.546	309.92
490.24	17.543	309.89
490.34	17.541	309.85
490.44	17.539	309.82
490.54	17.537	309.79
490.64	17.535	309.76
490.74	17.533	309.73
490.84	17.53	309.69
490.94	17.528	309.66
491.	17.527	309.64
491.01		
491.02		
491.05	17.526	309.63
491.14	17.524	309.6
491.24	17.522	309.57
491.34	17.52	309.54
491.44	17.518	309.51
491.54	17.516	309.47
491.64	17.513	309.44
491.74	17.511	309.41
491.84	17.509	309.38
491.94	17.507	309.35
492.	17.506	309.33
492.01		
492.02	17.505	309.32
492.05		309.31
492.14	17.503	309.29
492.24	17.501	309.26
492.34	17.499	309.22
492.44	17.497	309.19

492.54	17.495	309.16
492.64	17.493	309.13
492.74	17.491	309.1
492.84	17.488	309.07
492.94	17.486	309.04
493.	17.485	309.02
493.01		
493.02		
493.05	17.484	309.01
493.14	17.482	308.98
493.24	17.48	308.95
493.34	17.478	308.92
493.44	17.476	308.89
493.54	17.474	308.87
493.64	17.472	308.84
493.74	17.47	308.81
493.84	17.468	308.78
493.94	17.466	308.75
494.	17.465	308.73
494.01		
494.02		308.72
494.05	17.464	
494.14	17.462	308.69
494.24	17.46	308.66
494.34	17.458	308.63
494.44	17.456	308.6
494.54	17.454	308.57
494.64	17.452	308.54
494.74	17.45	308.51
494.84	17.448	308.47
494.94	17.446	308.44
495.	17.445	308.42
495.01		
495.02		
495.05	17.444	308.41
495.14	17.442	308.38
495.24	17.44	308.35
495.34	17.439	308.32
495.44	17.437	308.29
495.54	17.435	308.26
495.64	17.433	308.23
495.74	17.431	308.19
495.84	17.429	308.16
495.94	17.427	308.13
496.	17.426	308.11
496.01		
496.02	17.425	
496.05		308.1
496.14	17.423	308.07
496.24	17.421	308.04
496.34	17.419	308.01
496.44	17.418	307.98
496.54	17.416	307.95
496.64	17.414	307.91
496.74	17.412	307.88
496.84	17.41	307.85
496.94	17.408	307.82
497.	17.407	307.8
497.01		
497.02		307.79
497.05	17.406	307.78
497.14	17.404	307.76
497.24	17.403	307.72
497.34	17.401	307.69
497.44	17.399	307.66
497.54	17.397	307.63

497.64	17.395	307.6
497.74	17.393	307.56
497.84	17.392	307.53
497.94	17.39	307.5
498.	17.389	307.48
498.01		
498.02	17.388	307.47
498.05		307.46
498.14	17.386	307.44
498.24	17.384	307.4
498.34	17.383	307.37
498.44	17.381	307.34
498.54	17.379	307.31
498.64	17.377	307.28
498.74	17.375	307.25
498.84	17.374	307.22
498.94	17.372	307.19
499.	17.371	307.17
499.01		307.16
499.02		
499.05	17.37	307.15
499.14	17.368	307.12
499.24	17.367	307.09
499.34	17.365	307.06
499.44	17.363	307.03
499.54	17.361	307.
499.64	17.36	306.97
499.74	17.358	306.94
499.84	17.356	306.9
499.94	17.355	306.87
500.	17.353	306.85
500.01		
500.02		
500.05		306.84
500.14	17.351	306.81
500.24	17.349	306.78
500.34	17.348	306.75
500.44	17.346	306.72
500.54	17.344	306.69
500.64	17.343	306.66
500.74	17.341	306.62
500.84	17.339	306.59
500.94	17.338	306.56
501.	17.337	306.54
501.01	17.336	
501.02		
501.05		306.53
501.14	17.334	306.5
501.24	17.333	306.47
501.34	17.331	306.44
501.44	17.329	306.41
501.54	17.328	306.38
501.64	17.326	306.34
501.74	17.324	306.31
501.84	17.323	306.28
501.94	17.321	306.25
502.	17.32	306.23
502.01		
502.02		
502.05	17.319	306.22
502.14	17.318	306.19
502.24	17.316	306.16
502.34	17.315	306.13
502.44	17.313	306.09
502.54	17.311	306.06
502.64	17.31	306.03

502.74	17.308	306.
502.84	17.307	305.97
502.94	17.305	305.94
503.	17.304	305.92
503.01		305.91
503.02		
503.05	17.303	305.9
503.14	17.302	305.87
503.24	17.3	305.84
503.34	17.299	305.81
503.44	17.297	305.78
503.54	17.296	305.75
503.64	17.294	305.72
503.74	17.292	305.69
503.84	17.291	305.66
503.94	17.289	305.63
504.	17.288	305.61
504.01		
504.02		305.6
504.05		305.59
504.14	17.286	305.57
504.24	17.285	305.54
504.34	17.283	305.5
504.44	17.282	305.47
504.54	17.28	305.44
504.64	17.279	305.41
504.74	17.277	305.38
504.84	17.276	305.35
504.94	17.274	305.32
505.	17.273	305.3
505.01		
505.02		
505.05	17.272	305.29
505.14	17.271	305.26
505.24	17.27	305.23
505.34	17.268	305.2
505.44	17.267	305.17
505.54	17.265	305.14
505.64	17.264	305.11
505.74	17.262	305.08
505.84	17.261	305.05
505.94	17.259	305.02
506.	17.258	305.
506.01		
506.02		
506.05		304.99
506.14	17.256	304.96
506.24	17.255	304.93
506.34	17.254	304.9
506.44	17.252	304.87
506.54	17.251	304.84
506.64	17.249	304.81
506.74	17.248	304.78
506.84	17.246	304.75
506.94	17.245	304.72
507.	17.244	304.7
507.01		304.69
507.02		
507.05	17.243	304.68
507.14	17.242	304.65
507.24	17.241	304.62
507.34	17.239	304.59
507.44	17.238	304.56
507.54	17.237	304.53
507.64	17.235	304.5
507.74	17.234	304.47

507.84	17.232	304.44
507.94	17.231	304.41
508.	17.23	304.39
508.01		
508.02		
508.05		304.38
508.14	17.228	304.35
508.24	17.227	304.32
508.34	17.226	304.29
508.44	17.224	304.26
508.54	17.223	304.23
508.64	17.222	304.2
508.74	17.22	304.17
508.84	17.219	304.14
508.94	17.218	304.11
509.	17.217	304.09
509.01		
509.02	17.216	
509.05		304.08
509.14	17.215	304.05
509.24	17.214	304.02
509.34	17.212	303.99
509.44	17.211	303.96
509.54	17.21	303.93
509.64	17.208	303.9
509.74	17.207	303.87
509.84	17.206	303.84
509.94	17.204	303.81
510.		303.79
510.01		
510.02	17.203	
510.05		303.78
510.14	17.202	303.75
510.24	17.201	303.72
510.34	17.199	303.69
510.44	17.198	303.66
510.54	17.197	303.63
510.64	17.196	303.6
510.74	17.194	303.57
510.84	17.193	303.54
510.94	17.192	303.51
511.	17.191	303.49
511.01		
511.02		
511.05	17.19	303.48
511.14	17.189	303.45
511.24	17.188	303.42
511.34	17.187	303.39
511.44	17.186	303.36
511.54	17.184	303.33
511.64	17.183	303.3
511.74	17.182	303.27
511.84	17.181	303.24
511.94	17.18	303.21
512.	17.179	303.19
512.01		
512.02		
512.05	17.178	303.18
512.14	17.177	303.15
512.24	17.176	303.12
512.34	17.175	303.09
512.44	17.174	303.06
512.54	17.172	303.03
512.64	17.171	303.
512.74	17.17	302.97
512.84	17.169	302.94

512.94	17.168	302.91
513.	17.167	302.89
513.01		
513.02		
513.05	17.166	302.88
513.14	17.165	302.85
513.24	17.164	302.82
513.34	17.163	302.79
513.44	17.162	302.76
513.54	17.161	302.73
513.64	17.16	302.7
513.74	17.159	302.67
513.84	17.157	302.64
513.94	17.156	302.6
514.		302.59
514.01		302.58
514.02	17.155	
514.05		302.57
514.14	17.154	302.54
514.24	17.153	302.51
514.34	17.152	302.48
514.44	17.151	302.45
514.54	17.15	302.42
514.64	17.149	302.39
514.74	17.148	302.36
514.84	17.146	302.33
514.94	17.145	302.3
515.		302.28
515.01		
515.02	17.144	302.27
515.05		302.26
515.14	17.143	302.24
515.24	17.142	302.21
515.34	17.141	302.17
515.44	17.14	302.14
515.54	17.139	302.11
515.64	17.138	302.08
515.74	17.137	302.05
515.84	17.136	302.02
515.94	17.135	301.99
516.	17.134	301.97
516.01		
516.02		
516.05		301.96
516.14	17.133	301.93
516.24	17.132	301.9
516.34	17.131	301.87
516.44	17.13	301.84
516.54	17.129	301.81
516.64	17.128	301.78
516.74	17.127	301.75
516.84	17.126	301.72
516.94	17.125	301.69
517.	17.124	301.67
517.01		301.66
517.02		
517.05		301.65
517.14	17.123	301.62
517.24	17.122	301.59
517.34	17.121	301.56
517.44	17.12	301.53
517.54	17.119	301.5
517.64	17.118	301.47
517.74	17.117	301.44
517.84	17.116	301.41
517.94	17.115	301.38

518.	17.114	301.36
518.01		
518.02		301.35
518.05		301.34
518.14	17.113	301.32
518.24	17.112	301.29
518.34	17.111	301.26
518.44	17.11	301.22
518.54	17.109	301.19
518.64	17.108	301.16
518.74	17.107	301.13
518.84	17.106	301.1
518.94	17.105	301.07
519.		301.05
519.01		
519.02		
519.05	17.104	301.04
519.14		301.01
519.24	17.103	300.98
519.34	17.102	300.95
519.44	17.101	300.92
519.54	17.1	300.89
519.64	17.099	300.86
519.74	17.098	300.83
519.84	17.097	300.8
519.94	17.096	300.77
520.		300.75
520.01		300.74
520.02		
520.05	17.095	300.73
520.14		300.7
520.24	17.094	300.67
520.34	17.093	300.64
520.44	17.092	300.61
520.54	17.091	300.58
520.64	17.09	300.55
520.74		300.52
520.84	17.089	300.49
520.94	17.088	300.46
521.	17.087	300.44
521.01		300.43
521.02		
521.05		300.42
521.14	17.086	300.39
521.24	17.085	300.36
521.34	17.084	300.33
521.44		300.3
521.54	17.083	300.27
521.64	17.082	300.24
521.74	17.081	300.21
521.84	17.08	300.17
521.94		300.14
522.	17.079	300.12
522.01		
522.02		
522.05		300.11
522.14	17.078	300.08
522.24	17.077	300.05
522.34	17.076	300.02
522.44		299.99
522.54	17.075	299.95
522.64	17.074	299.92
522.74	17.073	299.89
522.84	17.072	299.86
522.94		299.83
523.		

523.01	17.071	299.81
523.02		299.8
523.05		299.79
523.14	17.07	299.77
523.24	17.069	299.73
523.34		299.7
523.44	17.068	299.67
523.54	17.067	299.64
523.64	17.066	299.61
523.74		299.58
523.84	17.065	299.54
523.94	17.064	299.51
524.		299.49
524.01		
524.02		
524.05	17.063	299.48
524.14		299.45
524.24	17.062	299.42
524.34	17.061	299.39
524.44	17.06	299.36
524.54		299.33
524.64	17.059	299.3
524.74	17.058	299.27
524.84		299.23
524.94	17.057	299.2
525.	17.056	299.19
525.01		299.18
525.02		
525.05		299.17
525.14	17.055	299.14
525.24		299.11
525.34	17.054	299.08
525.44	17.053	299.05
525.54		299.02
525.64	17.052	298.99
525.74	17.051	298.96
525.84		298.93
525.94	17.05	298.9
526.		298.88
526.01		
526.02	17.049	
526.05		298.87
526.14		298.84
526.24	17.048	298.81
526.34	17.047	298.78
526.44		298.75
526.54	17.046	298.72
526.64	17.045	298.69
526.74		298.66
526.84	17.044	298.63
526.94	17.043	298.6
527.		298.58
527.01		
527.02		298.57
527.05		298.56
527.14	17.042	298.54
527.24		298.51
527.34	17.041	298.47
527.44	17.04	298.44
527.54		298.41
527.64	17.039	298.38
527.74	17.038	298.35
527.84		298.32
527.94	17.037	298.29
528.		298.27
528.01		

528.02		
528.05		298.26
528.14	17.036	298.23
528.24	17.035	298.2
528.34		298.17
528.44	17.034	298.14
528.54		298.11
528.64	17.033	298.08
528.74		298.04
528.84	17.032	298.01
528.94	17.031	297.98
529.		297.96
529.01		
529.02		
529.05		297.95
529.14	17.03	297.92
529.24		297.89
529.34	17.029	297.86
529.44		297.83
529.54	17.028	297.8
529.64	17.027	297.77
529.74		297.74
529.84	17.026	297.71
529.94		297.68
530.		297.66
530.01	17.025	
530.02		297.65
530.05		297.64
530.14		297.62
530.24	17.024	297.59
530.34		297.56
530.44	17.023	297.53
530.54		297.5
530.64	17.022	297.46
530.74		297.43
530.84	17.021	297.4
530.94		297.37
531.	17.02	297.36
531.01		297.35
531.02		
531.05		297.34
531.14		297.31
531.24	17.019	297.28
531.34		297.25
531.44	17.018	297.22
531.54		297.19
531.64	17.017	297.16
531.74		297.13
531.84	17.016	297.1
531.94		297.07
532.	17.015	297.05
532.01		
532.02		
532.05		297.04
532.14		297.01
532.24	17.014	296.98
532.34		296.95
532.44	17.013	296.92
532.54		296.89
532.64	17.012	296.86
532.74		296.83
532.84		296.8
532.94	17.011	296.77
533.		296.76
533.01		296.75
533.02		

533.05		296.74
533.14	17.01	296.71
533.24		296.68
533.34	17.009	296.66
533.44		296.63
533.54		296.6
533.64	17.008	296.57
533.74		296.54
533.84	17.007	296.51
533.94		296.48
534.		296.46
534.01		
534.02		296.45
534.05	17.006	296.44
534.14		296.42
534.24		296.39
534.34	17.005	296.36
534.44		296.33
534.54	17.004	296.3
534.64		296.27
534.74		296.24
534.84	17.003	296.21
534.94		296.18
535.		296.16
535.01		
535.02		296.15
535.05		296.14
535.14	17.002	296.12
535.24		296.09
535.34	17.001	296.06
535.44		296.03
535.54		296.
535.64	17.	295.97
535.74		295.94
535.84		295.91
535.94	16.999	295.88
536.		295.86
536.01		
536.02		295.85
536.05		
536.14		295.82
536.24	16.998	295.79
536.34		295.76
536.44		295.73
536.54	16.997	295.7
536.64		295.67
536.74		295.64
536.84	16.996	295.61
536.94		295.58
537.		295.56
537.01		
537.02		
537.05		295.55
537.14	16.995	295.52
537.24		295.49
537.34		295.46
537.44		295.43
537.54	16.994	295.41
537.64		295.38
537.74		295.35
537.84	16.993	295.32
537.94		295.29
538.		295.27
538.01		
538.02		295.26
538.05		

538.14		295.23
538.24	16.992	295.2
538.34		295.17
538.44		295.14
538.54	16.991	295.11
538.64		295.08
538.74		295.05
538.84		295.02
538.94	16.99	295.
539.		294.98
539.01		
539.02		294.97
539.05		294.96
539.14		294.94
539.24		294.91
539.34	16.989	294.88
539.44		294.85
539.54		294.82
539.64		294.79
539.74	16.988	294.76
539.84		294.74
539.94		294.71
540.		294.69
540.01		
540.02		294.68
540.05		
540.14		294.65
540.24	16.987	294.62
540.34		294.59
540.44		294.56
540.54		294.53
540.64		294.5
540.74	16.986	294.48
540.84		294.45
540.94		294.42
541.		294.4
541.01		
541.02		294.39
541.05		294.38
541.14		294.36
541.24	16.985	294.33
541.34		294.3
541.44		294.27
541.54		294.24
541.64		294.21
541.74		294.18
541.84	16.984	294.15
541.94		294.12
542.		294.1
542.01		294.09
542.02		
542.05		294.08
542.14		294.06
542.24		294.02
542.34		293.99
542.44		293.96
542.54	16.983	293.93
542.64		293.9
542.74		293.87
542.84		293.84
542.94		293.81
543.		293.8
543.01		293.79
543.02		
543.05		293.78
543.14		293.75

543.24		293.72
543.34		293.69
543.44		293.66
543.54		293.63
543.64		293.6
543.74		293.57
543.84	16.982	293.54
543.94		293.51
544.		293.5
544.01		293.49
544.02		
544.05		293.48
544.14		293.45
544.24		293.42
544.34		293.39
544.44		293.36
544.54		293.33
544.64		293.3
544.74		293.27
544.84		293.24
544.94		293.21
545.		293.2
545.01	16.981	293.19
545.02		
545.05		293.18
545.14		293.15
545.24		293.12
545.34		293.09
545.44		293.06
545.54		293.03
545.64		293.
545.74		292.97
545.84		292.94
545.94		292.91
546.		292.9
546.01		292.89
546.02		
546.05		292.88
546.14		292.85
546.24		292.82
546.34		292.8
546.44		292.77
546.54		292.74
546.64		292.71
546.74		292.68
546.84		292.65
546.94		292.62
547.		292.6
547.01		
547.02	16.98	292.59
547.05		
547.14		292.56
547.24		292.53
547.34		292.5
547.44		292.47
547.54		292.44
547.64		292.41
547.74		292.38
547.84		292.35
547.94		292.32
548.		292.31
548.01		292.3
548.02		
548.05		292.29
548.14		292.27
548.24		292.24

548.34		292.21
548.44		292.18
548.54		292.15
548.64		292.12
548.74	16.981	292.09
548.84		292.06
548.94		292.03
549.		292.01
549.01		
549.02		
549.05		292.
549.14		291.97
549.24		291.94
549.34		291.91
549.44		291.89
549.54		291.86
549.64		291.83
549.74		291.8
549.84		291.77
549.94		291.74
550.		291.72
550.01		
550.02		
550.05		291.71
550.14		291.68
550.24		291.65
550.34	16.982	291.63
550.44		291.6
550.54		291.57
550.64		291.54
550.74		291.51
550.84		291.48
550.94		291.45
551.		291.44
551.01		291.43
551.02		
551.05		291.42
551.14		291.39
551.24		291.37
551.34		291.34
551.44	16.983	291.31
551.54		291.28
551.64		291.25
551.74		291.22
551.84		291.19
551.94		291.16
552.		291.15
552.01		291.14
552.02		
552.05		291.13
552.14		291.1
552.24	16.984	291.08
552.34		291.05
552.44		291.02
552.54		290.99
552.64		290.96
552.74		290.93
552.84		290.9
552.94	16.985	290.87
553.		290.86
553.01		290.85
553.02		
553.05		290.84
553.14		290.82
553.24		290.79
553.34		290.76

553.44		290.73
553.54	16.986	290.7
553.64		290.67
553.74		290.64
553.84		290.61
553.94		290.59
554.		290.57
554.01		
554.02		290.56
554.05		290.55
554.14	16.987	290.53
554.24		290.5
554.34		290.47
554.44		290.44
554.54		290.41
554.64	16.988	290.39
554.74		290.36
554.84		290.33
554.94		290.3
555.		290.28
555.01		
555.02		
555.05		290.27
555.14	16.989	290.24
555.24		290.21
555.34		290.18
555.44		290.16
555.54		290.13
555.64	16.99	290.1
555.74		290.07
555.84		290.04
555.94		290.01
556.		290.
556.01		289.99
556.02		
556.05	16.991	289.98
556.14		289.96
556.24		289.93
556.34		289.9
556.44		289.87
556.54	16.992	289.85
556.64		289.82
556.74		289.79
556.84		289.76
556.94	16.993	289.74
557.		289.72
557.01		
557.02		289.71
557.05		
557.14		289.68
557.24		289.65
557.34	16.994	289.63
557.44		289.6
557.54		289.57
557.64	16.995	289.54
557.74		289.52
557.84		289.49
557.94		289.46
558.	16.996	289.45
558.01		289.44
558.02		
558.05		289.43
558.14		289.41
558.24		289.38
558.34		289.35
558.44		289.33

558.54	16.997	289.3
558.64		289.27
558.74	16.998	289.24
558.84		289.22
558.94		289.19
559.		289.17
559.01	16.999	
559.02		
559.05		289.16
559.14		289.13
559.24		289.11
559.34	17.	289.08
559.44		289.05
559.54		289.03
559.64	17.001	289.
559.74		288.97
559.84		288.94
559.94		288.92
560.	17.002	288.9
560.4	17.003	288.79
560.8	17.004	288.68
562.	17.009	288.36
565.6	17.026	287.39
569.6	17.049	286.33
573.6	17.075	285.27
577.6	17.105	284.22
581.6	17.137	283.18
585.6	17.173	282.15
589.6	17.211	281.12
593.6	17.252	280.1
597.6	17.295	279.09
600.	17.322	278.48
606.	17.394	276.99
612.	17.47	275.53
630.	17.729	271.36
684.	18.399	259.64
738.	19.402	248.77
798.	20.555	237.64
858.	21.478	227.39
918.	22.25	217.84
978.		208.96
1038.		200.65
1098.		192.86
1158.		185.55
1200.		180.65
1212.		179.27
1224.		177.9
1260.		173.94
1296.		170.12
1404.		159.72
1512.		150.25
1632.		140.71
1752.		136.24
1872.		133.65
1992.		130.95
2112.		129.87
2232.		128.56
2352.		126.94
2400.		126.21
2412.		126.03
2424.		125.84
2460.		125.32
2568.		123.5
2676.		121.56
2796.		119.33
2916.		117.04

3036.	22.225	114.7
3156.	22.141	112.34
3276.	22.067	110.02
3396.	22.001	107.79
3516.	21.943	105.62
3600.	21.907	104.13
3612.	21.902	103.92
3624.	21.896	103.7
3660.	21.879	103.08
3768.	21.842	101.21
3876.	21.807	99.367
3996.	21.773	97.353
4116.	21.743	95.37
4236.	21.717	93.417
4356.	21.694	91.5
4476.	21.675	89.616
4596.	21.658	87.768
4716.	21.644	85.955
4800.	21.635	84.705
4812.	21.634	84.527
4824.	21.633	84.348
4860.	21.628	83.817
4968.	21.621	82.257
5076.	21.614	80.728
5196.	21.607	79.068
5316.	21.602	77.445
5436.	21.598	75.86
5556.	21.596	74.316
5676.	21.594	72.809
5796.		71.339
5916.		69.905
6000.		68.922
6012.		68.782
6024.		68.642
6060.		68.225
6168.	21.596	67.006
6276.	21.598	65.816
6396.	21.601	64.528
6516.	21.605	63.274
6636.	21.608	62.057
6756.	21.612	60.871
6876.	21.617	59.718
6996.	21.621	58.596
7116.	21.626	57.504
7200.	21.63	56.757

FIGURE 20
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum Content T

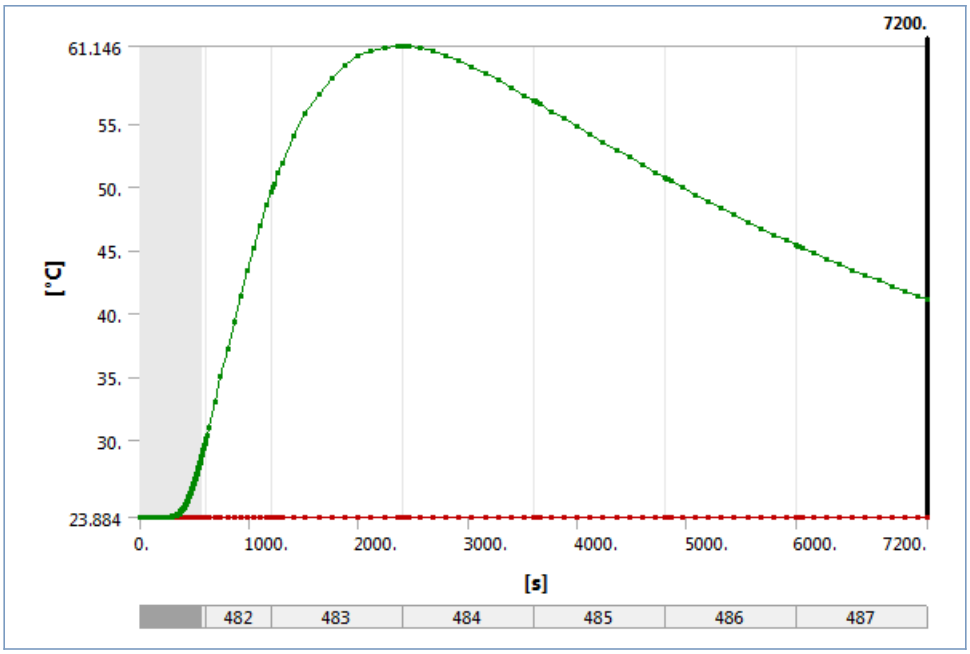

TABLE 28
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		

6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.22		
14.33		
14.441		
14.641		
14.841		
15.041		
15.241		
15.441		
15.641		
15.841		

16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.87
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68
23.861
24.
24.02
24.04
24.1
24.28
24.48
24.68
24.88
25.08
25.28
25.48
25.68
25.88
26.

26.04
26.1
26.224
26.424
26.615
26.805
27.005
27.205
27.405
27.605
27.805
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.28
30.48
30.68
30.88
31.08
31.28
31.48
31.68
31.88
32.
32.02
32.04
32.1
32.28
32.48
32.68
32.88
33.08
33.28
33.48
33.68
33.88
34.
34.02
34.04
34.1
34.28
34.48
34.68
34.88
35.08
35.28
35.48
35.68
35.88
36.
36.02

36.1
36.28
36.48
36.68
36.88
37.08
37.28
37.48
37.68
37.88
38.
38.02
38.04
38.1
38.28
38.48
38.68
38.88
39.08
39.28
39.48
39.68
39.88
40.
40.02
40.04
40.1
40.28
40.48
40.68
40.88
41.08
41.28
41.48
41.68
41.88
42.
42.02
42.04
42.1
42.28
42.48
42.68
42.88
43.08
43.28
43.48
43.68
43.872
44.
44.02
44.04
44.1
44.28
44.48
44.68
44.88
45.08
45.28
45.48
45.68
45.88
46.
46.02
46.04

46.28
46.48
46.68
46.88
47.08
47.28
47.48
47.68
47.88
48.
48.02
48.04
48.1
48.28
48.48
48.68
48.88
49.08
49.28
49.48
49.68
49.88
50.
50.02
50.04
50.1
50.28
50.48
50.68
50.88
51.08
51.28
51.48
51.68
51.88
52.
52.02
52.04
52.1
52.28
52.48
52.68
52.88
53.08
53.28
53.48
53.68
53.877
54.
54.02
54.04
54.1
54.28
54.48
54.68
54.88
55.08
55.28
55.48
55.68
55.88
56.
56.02
56.04
56.1

56.48			
56.68			
56.88			
57.08			
57.28			
57.48			
57.68			
57.88			
58.			
58.02			
58.04			
58.1			
58.28			
58.48			
58.68			
58.88			
59.08			
59.28			
59.48			
59.68	23.89		
59.88			
60.			
60.02			
60.04			
60.1			
60.28			
60.48			
60.68			
60.88			
61.08			
61.28			
61.48			
61.68			
61.88			
62.			
62.02			
62.04			
62.1			
62.28			

	23.89
62.48	
62.68	
62.88	
63.08	
63.28	
63.48	
63.68	
63.88	
64.	
64.02	
64.04	
64.1	
64.28	
64.48	
64.68	
64.88	
65.08	
65.28	
65.48	
65.68	
65.88	
66.	
66.02	
66.04	
66.1	
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401.24		24.674
401.34		24.675
401.44		24.677
401.54		24.678
401.64		24.68
401.74		24.681
401.84		24.682
401.94		24.684
402.	23.885	24.685
402.01		
402.02		
402.05		24.686
402.14		24.687
402.24		24.688
402.34		24.69
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402.54		24.693
402.64		24.694
402.74		24.696
402.84		24.697
402.94		24.699
403.		24.7
403.01		
403.02		
403.05		
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403.24		24.703
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403.84		24.712
403.94		24.713
404.		24.714
404.01		
404.02		24.715
404.05		
404.14		24.716
404.24		24.718
404.34		24.719

404.44	24.721
404.54	24.722
404.64	24.724
404.74	24.725
404.84	24.727
404.94	24.728
405.	24.729
405.01	
405.02	24.73
405.05	
405.14	24.731
405.24	24.733
405.34	24.734
405.44	24.736
405.54	24.737
405.64	24.739
405.74	24.741
405.84	24.742
405.94	24.744
406.	
406.01	24.745
406.02	
406.05	
406.14	24.747
406.24	24.748
406.34	24.75
406.44	24.751
406.54	24.753
406.64	24.754
406.74	24.756
406.84	24.757
406.94	24.759
407.	24.76
407.01	
407.02	
407.05	24.761
407.14	24.762
407.24	24.763
407.34	24.765
407.44	24.767
407.54	24.768
407.64	24.77
407.74	24.771
407.84	24.773
407.94	24.774
408.	24.775
408.01	
408.02	24.776
408.05	
408.14	24.777
408.24	24.779
408.34	24.781
408.44	24.782
408.54	24.784
408.64	24.785
408.74	24.787
408.84	24.788
408.94	24.79
409.	24.791
409.01	
409.02	
409.05	24.792
409.14	24.793
409.24	24.795
409.34	24.796
409.44	24.798

409.54		24.799
409.64		24.801
409.74		24.803
409.84		24.804
409.94		24.806
410.		24.807
410.01		
410.02		
410.05		
410.14		24.809
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410.34		24.812
410.44		24.814
410.54		24.815
410.64		24.817
410.74		24.818
410.84		24.82
410.94		24.822
411.		24.823
411.01		
411.02		
411.05		
411.14		24.825
411.24		24.826
411.34	23.886	24.828
411.44		24.83
411.54		24.831
411.64		24.833
411.74		24.834
411.84		24.836
411.94		24.838
412.		24.839
412.01		
412.02		
412.05		
412.14		24.841
412.24		24.842
412.34		24.844
412.44		24.846
412.54		24.847
412.64		24.849
412.74		24.851
412.84		24.852
412.94		24.854
413.		24.855
413.01		
413.02		
413.05		24.856
413.14		24.857
413.24		24.859
413.34		24.86
413.44		24.862
413.54		24.864
413.64		24.865
413.74		24.867
413.84		24.869
413.94		24.87
414.		24.871
414.01		
414.02		24.872
414.05		
414.14		24.874
414.24		24.875
414.34		24.877
414.44		24.878
414.54		24.88

414.64		24.882
414.74		24.883
414.84		24.885
414.94		24.887
415.		24.888
415.01		
415.02		
415.05		24.889
415.14		24.89
415.24		24.892
415.34		24.893
415.44		24.895
415.54		24.897
415.64		24.898
415.74		24.9
415.84		24.902
415.94		24.903
416.		24.904
416.01		24.905
416.02	23.887	
416.05		
416.14		24.907
416.24		24.908
416.34		24.91
416.44		24.912
416.54		24.914
416.64		24.915
416.74		24.917
416.84		24.919
416.94		24.92
417.		24.921
417.01		
417.02		24.922
417.05		
417.14		24.924
417.24		24.925
417.34		24.927
417.44		24.929
417.54		24.93
417.64		24.932
417.74		24.934
417.84		24.936
417.94		24.937
418.		24.938
418.01		
418.02		24.939
418.05		
418.14		24.941
418.24		24.942
418.34		24.944
418.44		24.946
418.54		24.948
418.64	23.888	24.949
418.74		24.951
418.84		24.953
418.94		24.954
419.		24.955
419.01		24.956
419.02		
419.05		
419.14		24.958
419.24		24.96
419.34		24.961
419.44		24.963
419.54		24.965
419.64		24.966

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419.84	24.97
419.94	24.972
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420.02	
420.05	24.974
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420.34	24.979
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420.54	24.982
420.64	24.984
420.74	24.986
420.84	24.987
420.94	24.989
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421.02	
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421.24	24.994
421.34	24.996
421.44	24.998
421.54	25.
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421.84	25.005
421.94	25.007
422.	25.008
422.01	
422.02	
422.05	25.009
422.14	25.01
422.24	25.012
422.34	25.014
422.44	25.016
422.54	25.017
422.64	25.019
422.74	25.021
422.84	25.023
422.94	25.024
423.	25.025
423.01	25.026
423.02	
423.05	
423.14	25.028
423.24	25.03
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423.44	25.033
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423.84	25.04
423.94	25.042
424.	25.043
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424.05	
424.14	25.046
424.24	25.048
424.34	25.049
424.44	25.051
424.54	25.053
424.64	25.055
424.74	25.057

424.84	25.059
424.94	25.06
425.	25.061
425.01	25.062
425.02	
425.05	
425.14	25.064
425.24	25.066
425.34	25.068
425.44	25.069
425.54	25.071
425.64	25.073
425.74	25.075
425.84	25.077
425.94	25.078
426.	25.08
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426.02	
426.05	25.081
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426.24	25.084
426.34	25.086
426.44	25.088
426.54	25.089
426.64	25.091
426.74	25.093
426.84	25.095
426.94	25.097
427.	25.098
427.01	
427.02	
427.05	25.099
427.14	25.101
427.24	25.102
427.34	25.104
427.44	25.106
427.54	25.108
427.64	25.11
427.74	25.112
427.84	25.113
427.94	25.115
428.	25.116
428.01	25.117
428.02	
428.05	
428.14	25.119
428.24	25.121
428.34	25.123
428.44	25.125
428.54	25.126
428.64	25.128
428.74	25.13
428.84	25.132
428.94	25.134
429.	25.135
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429.02	
429.05	25.136
429.14	25.138
429.24	25.14
429.34	25.141
429.44	25.143
429.54	25.145
429.64	25.147
429.74	25.149
429.84	25.151

429.94	25.153
430.	25.154
430.01	
430.02	
430.05	25.155
430.14	25.156
430.24	25.158
430.34	25.16
430.44	25.162
430.54	25.164
430.64	25.166
430.74	25.168
430.84	25.17
430.94	25.172
431.	25.173
431.01	
431.02	
431.05	25.174
431.14	25.175
431.24	25.177
431.34	25.179
431.44	25.181
431.54	25.183
431.64	25.185
431.74	25.187
431.84	25.189
431.94	25.191
432.	25.192
432.01	
432.02	
432.05	25.193
432.14	25.194
432.24	25.196
432.34	25.198
432.44	25.2
432.54	25.202
432.64	25.204
432.74	25.206
432.84	25.208
432.94	25.21
433.	25.211
433.01	
433.02	
433.05	25.212
433.14	25.214
433.24	25.216
433.34	25.218
433.44	25.22
433.54	25.221
433.64	25.223
433.74	25.225
433.84	25.227
433.94	25.229
434.	25.23
434.01	25.231
434.02	
434.05	
434.14	25.233
434.24	25.235
434.34	25.237
434.44	25.239
434.54	25.241
434.64	25.243
434.74	25.245
434.84	25.247
434.94	25.249

435.	
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435.02	
435.05	25.251
435.14	25.253
435.24	25.255
435.34	25.257
435.44	25.259
435.54	25.26
435.64	25.262
435.74	25.264
435.84	25.266
435.94	25.268
436.	
436.01	25.27
436.02	
436.05	25.271
436.14	25.272
436.24	25.274
436.34	25.276
436.44	25.278
436.54	25.28
436.64	25.282
436.74	25.284
436.84	25.286
436.94	25.288
437.	25.289
437.01	
437.02	25.29
437.05	
437.14	25.292
437.24	25.294
437.34	25.296
437.44	25.298
437.54	25.3

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437.84		25.306
437.94		25.308
438.		25.309
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438.54		25.32
438.64		25.322
438.74		25.324
438.84		25.326
438.94		25.328
439.		25.329
439.01		25.33
439.02		
439.05		
439.14		25.332
439.24		25.334
439.34		25.336
439.44		25.338
439.54		25.34
439.64		25.342
439.74		25.344
439.84		25.346
439.94		25.348
440.		25.35
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440.02		
440.05		25.351
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440.34		25.356
440.44		25.359
440.54		25.361
440.64		25.363
440.74		25.365
440.84		25.367
440.94		25.369
441.		25.37
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441.64		25.383
441.74		25.385
441.84		25.387
441.94		25.389
442.		25.39
442.01		25.391
442.02		
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442.54		25.402

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443.	25.411
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443.02	
443.05	25.412
443.14	25.414
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443.44	25.42
443.54	25.422
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443.74	25.426
443.84	25.429
443.94	25.431
444.	25.432
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444.02	
444.05	25.433
444.14	25.435
444.24	25.437
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444.44	25.441
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444.64	25.445
444.74	25.447
444.84	25.449
444.94	25.452
445.	25.453
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445.02	
445.05	25.454
445.14	25.456
445.24	25.458
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445.44	25.462
445.54	25.464
445.64	25.466
445.74	25.468
445.84	25.47
445.94	25.473
446.	25.474
446.01	
446.02	
446.05	25.475
446.14	25.477
446.24	25.479
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446.44	25.483
446.54	25.485
446.64	25.487
446.74	25.489
446.84	25.492
446.94	25.494
447.	25.495
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447.02	
447.05	25.496
447.14	25.498
447.24	25.5
447.34	25.502
447.44	25.504
447.54	25.506
447.64	25.509

447.74	25.511
447.84	25.513
447.94	25.515
448.	25.516
448.01	25.517
448.02	
448.05	
448.14	25.519
448.24	25.521
448.34	25.524
448.44	25.526
448.54	25.528
448.64	25.53
448.74	25.532
448.84	25.534
448.94	25.536
449.	25.538
449.01	
449.02	
449.05	25.539
449.14	25.541
449.24	25.543
449.34	25.545
449.44	25.547
449.54	25.549
449.64	25.552
449.74	25.554
449.84	25.556
449.94	25.558
450.	25.559
450.01	25.56
450.02	
450.05	
450.14	25.562
450.24	25.565
450.34	25.567
450.44	25.569
450.54	25.571
450.64	25.573
450.74	25.575
450.84	25.578
450.94	25.58
451.	25.581
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451.44	25.591
451.54	25.593
451.64	25.595
451.74	25.597
451.84	25.599
451.94	25.602
452.	25.603
452.01	
452.02	
452.05	25.604
452.14	25.606
452.24	25.608
452.34	25.61
452.44	25.613
452.54	25.615
452.64	25.617
452.74	25.619

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452.94	25.624
453.	25.625
453.01	
453.02	
453.05	25.626
453.14	25.628
453.24	25.63
453.34	25.632
453.44	25.635
453.54	25.637
453.64	25.639
453.74	25.641
453.84	25.644
453.94	25.646
454.	25.647
454.01	
454.02	25.648
454.05	
454.14	25.65
454.24	25.652
454.34	25.655
454.44	25.657
454.54	25.659
454.64	25.661
454.74	25.664
454.84	25.666
454.94	25.668
455.	25.669
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455.02	
455.05	
455.14	25.672
455.24	25.675
455.34	25.677
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455.54	25.681
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455.74	25.686
455.84	25.688
455.94	25.69
456.	25.692
456.01	
456.02	
456.05	25.693
456.14	25.695
456.24	25.697
456.34	25.699
456.44	25.702
456.54	25.704
456.64	25.706
456.74	25.708
456.84	25.711
456.94	25.713
457.	25.714
457.01	
457.02	25.715
457.05	
457.14	25.717
457.24	25.72
457.34	25.722
457.44	25.724
457.54	25.726
457.64	25.729
457.74	25.731
457.84	25.733

457.94	25.736
458.	25.737
458.01	
458.02	
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458.14	25.74
458.24	25.742
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458.64	25.751
458.74	25.754
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458.94	25.758
459.	25.76
459.01	
459.02	
459.05	25.761
459.14	25.763
459.24	25.765
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459.44	25.77
459.54	25.772
459.64	25.774
459.74	25.777
459.84	25.779
459.94	25.781
460.	25.783
460.01	
460.02	
460.05	25.784
460.14	25.786
460.24	25.788
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460.44	25.793
460.54	25.795
460.64	25.797
460.74	25.8
460.84	25.802
460.94	25.804
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461.02	
461.05	25.807
461.14	25.809
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461.34	25.813
461.44	25.816
461.54	25.818
461.64	25.82
461.74	25.823
461.84	25.825
461.94	25.827
462.	25.829
462.01	
462.02	
462.05	25.83
462.14	25.832
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462.34	25.837
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462.54	25.841
462.64	25.844
462.74	25.846
462.84	25.848
462.94	25.851

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463.01	25.852
463.02	
463.05	25.853
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463.44	25.862
463.54	25.865
463.64	25.867
463.74	25.869
463.84	25.872
463.94	25.874
464.	25.875
464.01	25.876
464.02	
464.05	25.877
464.14	25.879
464.24	25.881
464.34	25.883
464.44	25.886
464.54	25.888
464.64	25.89
464.74	25.893
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464.94	25.898
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465.02	
465.05	25.9
465.14	25.902
465.24	25.905
465.34	25.907
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465.94	25.921
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466.02	
466.05	25.924
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466.44	25.933
466.54	25.935
466.64	25.938
466.74	25.94
466.84	25.943
466.94	25.945
467.	25.946
467.01	25.947
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467.24	25.952
467.34	25.954
467.44	25.957
467.54	25.959
467.64	25.962
467.74	25.964
467.84	25.966
467.94	25.969
468.	

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468.05	
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468.34	25.978
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468.64	25.986
468.74	25.988
468.84	25.99
468.94	25.993
469.	25.994
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469.02	25.995
469.05	
469.14	25.998
469.24	26.
469.34	26.002
469.44	26.005
469.54	26.007
469.64	26.01
469.74	26.012
469.84	26.015
469.94	26.017
470.	26.018
470.01	26.019
470.02	
470.05	26.02
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470.24	26.024
470.34	26.027
470.44	26.029
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470.64	26.034
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470.94	26.041
471.	26.043
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471.02	
471.05	26.044
471.14	26.046
471.24	26.048
471.34	26.051
471.44	26.053
471.54	26.056
471.64	26.058
471.74	26.061

	23.888	
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471.94		26.066
472.		26.067
472.01		
472.02		26.068
472.05		
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472.24		26.073
472.34		26.075
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472.54		26.08
472.64		26.083
472.74		26.085
472.84		26.088
472.94		26.09
473.		26.092
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473.05		26.093
473.14		26.095
473.24		26.097
473.34		26.1
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473.54		26.105
473.64		26.107
473.74		26.11
473.84		26.112
473.94		26.115
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474.05		
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474.64		26.132
474.74		26.134
474.84		26.137
474.94		26.139
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475.05		26.142
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475.44		26.152
475.54		26.154
475.64		26.157
475.74		26.159
475.84		26.162
475.94		26.164
476.		26.166
476.01		
476.02		
476.05		26.167
476.14		26.169
476.24		26.172
476.34		26.174
476.44		26.177
476.54		26.179
476.64		26.182
476.74		26.184

476.84	26.187
476.94	26.189
477.	26.191
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477.02	
477.05	26.192
477.14	26.194
477.24	26.197
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478.02	
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478.64	26.232
478.74	26.234
478.84	26.237
478.94	26.239
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479.02	
479.05	26.242
479.14	26.244
479.24	26.247
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479.44	26.252
479.54	26.255
479.64	26.257
479.74	26.26
479.84	26.262
479.94	26.265
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480.05	
480.14	26.27
480.24	26.272
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480.44	26.277
480.54	26.28
480.64	26.282
480.74	26.285
480.84	26.288
480.94	26.29
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481.02	
481.05	26.293
481.14	26.295
481.24	26.298
481.34	26.3
481.44	26.303
481.54	26.305
481.64	26.308
481.74	26.31
481.84	26.313

481.94	26.316
482.	26.317
482.01	
482.02	26.318
482.05	
482.14	26.321
482.24	26.323
482.34	26.326
482.44	26.328
482.54	26.331
482.64	26.334
482.74	26.336
482.84	26.339
482.94	26.341
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483.01	
483.02	
483.05	26.344
483.14	26.346
483.24	26.349
483.34	26.352
483.44	26.354
483.54	26.357
483.64	26.359
483.74	26.362
483.84	26.364
483.94	26.367
484.	26.369
484.01	
484.02	
484.05	26.37
484.14	26.372
484.24	26.375
484.34	26.377
484.44	26.38
484.54	26.382
484.64	26.385
484.74	26.388
484.84	26.39
484.94	26.393
485.	26.394
485.01	26.395
485.02	
485.05	26.396
485.14	26.398
485.24	26.401
485.34	26.403
485.44	26.406
485.54	26.408
485.64	26.411
485.74	26.414
485.84	26.416
485.94	26.419
486.	26.42
486.01	26.421
486.02	
486.05	26.422
486.14	26.424
486.24	26.427
486.34	26.429
486.44	26.432
486.54	26.434
486.64	26.437
486.74	26.44
486.84	26.442
486.94	26.445

487.	26.446
487.01	26.447
487.02	
487.05	26.448
487.14	26.45
487.24	26.453
487.34	26.455
487.44	26.458
487.54	26.461
487.64	26.463
487.74	26.466
487.84	26.468
487.94	26.471
488.	26.473
488.01	
488.02	
488.05	26.474
488.14	26.476
488.24	26.479
488.34	26.482
488.44	26.484
488.54	26.487
488.64	26.489
488.74	26.492
488.84	26.495
488.94	26.497
489.	26.499
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489.02	
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489.64	26.516
489.74	26.518
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489.94	26.524
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490.02	
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490.34	26.534
490.44	26.537
490.54	26.54
490.64	26.542
490.74	26.545
490.84	26.548
490.94	26.55
491.	26.552
491.01	
491.02	
491.05	26.553
491.14	26.555
491.24	26.558
491.34	26.561
491.44	26.563
491.54	26.566
491.64	26.569
491.74	26.571
491.84	26.574
491.94	26.577
492.	26.578

492.01	26.579
492.02	
492.05	26.58
492.14	26.582
492.24	26.585
492.34	26.587
492.44	26.59
492.54	26.593
492.64	26.595
492.74	26.598
492.84	26.601
492.94	26.603
493.	26.605
493.01	
493.02	26.606
493.05	
493.14	26.609
493.24	26.612
493.34	26.614
493.44	26.617
493.54	26.62
493.64	26.622
493.74	26.625
493.84	26.628
493.94	26.63
494.	26.632
494.01	
494.02	
494.05	26.633
494.14	26.636
494.24	26.638
494.34	26.641
494.44	26.644
494.54	26.646
494.64	26.649
494.74	26.652
494.84	26.655
494.94	26.657
495.	26.659
495.01	
495.02	
495.05	26.66
495.14	26.663
495.24	26.665
495.34	26.668
495.44	26.671
495.54	26.673
495.64	26.676
495.74	26.679
495.84	26.682
495.94	26.684
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496.01	
496.02	
496.05	26.687
496.14	26.69
496.24	26.692
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496.44	26.698
496.54	26.7
496.64	26.703
496.74	26.706
496.84	26.709
496.94	26.711
497.	26.713
497.01	

497.02	26.714
497.05	
497.14	26.717
497.24	26.719
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497.44	26.725
497.54	26.728
497.64	26.73
497.74	26.733
497.84	26.736
497.94	26.739
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498.02	26.741
498.05	26.742
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498.24	26.747
498.34	26.749
498.44	26.752
498.54	26.755
498.64	26.758
498.74	26.76
498.84	26.763
498.94	26.766
499.	26.768
499.01	
499.02	
499.05	26.769
499.14	26.771
499.24	26.774
499.34	26.777
499.44	26.78
499.54	26.782
499.64	26.785
499.74	26.788
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499.94	26.793
500.	26.795
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500.02	
500.05	26.796
500.14	26.799
500.24	26.802
500.34	26.804
500.44	26.807
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500.64	26.813
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501.	26.822
501.01	26.823
501.02	
501.05	26.824
501.14	26.826
501.24	26.829
501.34	26.832
501.44	26.835
501.54	26.837
501.64	26.84
501.74	26.843
501.84	26.846
501.94	26.848
502.	26.85
502.01	
502.02	

502.05	26.851
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502.24	26.857
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502.44	26.862
502.54	26.865
502.64	26.868
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503.02	
503.05	26.879
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503.64	26.896
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504.01	26.906
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505.34	26.943
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505.74	26.954
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506.02	
506.05	26.963
506.14	26.965
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506.64	26.98
506.74	26.982
506.84	26.985
506.94	26.988
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507.02	
507.05	26.991

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507.94	27.016
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508.02	
508.05	27.019
508.14	27.022
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511.44	27.116
511.54	27.118
511.64	27.121
511.74	27.124
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511.94	27.13
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512.02	
512.05	27.133
512.14	27.136

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512.44	27.144
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512.64	27.15
512.74	27.153
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512.94	27.159
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513.01	27.161
513.02	
513.05	27.162
513.14	27.164
513.24	27.167
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513.44	27.173
513.54	27.176
513.64	27.179
513.74	27.182
513.84	27.184
513.94	27.187
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514.01	
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514.05	
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514.64	27.207
514.74	27.21
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515.02	
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515.94	27.245
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516.01	
516.02	
516.05	27.248
516.14	27.251
516.24	27.254
516.34	27.257
516.44	27.26
516.54	27.262
516.64	27.265
516.74	27.268
516.84	27.271
516.94	27.274
517.	27.276
517.01	
517.02	
517.05	27.277
517.14	27.28
517.24	27.283

517.34	27.286
517.44	27.289
517.54	27.292
517.64	27.294
517.74	27.297
517.84	27.3
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518.05	
518.14	27.309
518.24	27.312
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518.44	27.318
518.54	27.321
518.64	27.324
518.74	27.327
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519.	27.334
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519.64	27.353
519.74	27.356
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519.94	27.362
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520.02	
520.05	27.365
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521.94	27.421
522.	27.422
522.01	27.423
522.02	
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522.24	27.429
522.34	27.432

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522.74	27.444
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523.14	27.456
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524.84	27.506
524.94	27.509
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525.05	27.513
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525.24	27.518
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525.54	27.527
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525.74	27.533
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525.94	27.539
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526.44	27.554
526.54	27.557
526.64	27.56
526.74	27.563
526.84	27.566
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527.02	27.572
527.05	
527.14	27.575
527.24	27.578
527.34	27.581
527.44	27.584

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527.74	27.593
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527.94	27.599
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528.54	27.617
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528.74	27.623
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529.	27.631
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529.14	27.635
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529.44	27.644
529.54	27.647
529.64	27.65
529.74	27.653
529.84	27.656
529.94	27.659
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531.01	27.692
531.02	
531.05	27.693
531.14	27.696
531.24	27.699
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531.44	27.705
531.54	27.708
531.64	27.711
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542.64	28.049

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543.64	28.08
543.74	28.083
543.84	28.086
543.94	28.09
544.	28.091
544.01	28.092
544.02	
544.05	28.093
544.14	28.096
544.24	28.099
544.34	28.102
544.44	28.105
544.54	28.108
544.64	28.111
544.74	28.115
544.84	28.118
544.94	28.121
545.	28.123
545.01	
545.02	
545.05	28.124
545.14	28.127
545.24	28.13
545.34	28.133
545.44	28.137
545.54	28.14
545.64	28.143
545.74	28.146
545.84	28.149
545.94	28.152
546.	28.154
546.01	
546.02	28.155
546.05	28.156
546.14	28.159
546.24	28.162
546.34	28.165
546.44	28.168
546.54	28.171
546.64	28.174
546.74	28.177
546.84	28.181
546.94	28.184
547.	28.186
547.01	
547.02	
547.05	28.187
547.14	28.19
547.24	28.193
547.34	28.196
547.44	28.199
547.54	28.203
547.64	28.206
547.74	28.209

547.84	28.212
547.94	28.215
548.	28.217
548.01	
548.02	28.218
548.05	28.219
548.14	28.222
548.24	28.225
548.34	28.228
548.44	28.231
548.54	28.234
548.64	28.237
548.74	28.24
548.84	28.244
548.94	28.247
549.	28.249
549.01	
549.02	
549.05	28.25
549.14	28.253
549.24	28.256
549.34	28.259
549.44	28.263
549.54	28.266
549.64	28.269
549.74	28.272
549.84	28.275
549.94	28.278
550.	28.28
550.01	28.281
550.02	
550.05	28.282
550.14	28.285
550.24	28.288
550.34	28.291
550.44	28.294
550.54	28.298
550.64	28.301
550.74	28.304
550.84	28.307
550.94	28.31
551.	28.312
551.01	
551.02	28.313
551.05	28.314
551.14	28.317
551.24	28.32
551.34	28.323
551.44	28.326
551.54	28.329
551.64	28.332
551.74	28.336
551.84	28.339
551.94	28.342
552.	28.344
552.01	
552.02	28.345
552.05	28.346
552.14	28.348
552.24	28.352
552.34	28.355
552.44	28.358
552.54	28.361
552.64	28.364
552.74	28.368
552.84	28.371

552.94	28.374
553.	28.376
553.01	
553.02	
553.05	28.377
553.14	28.38
553.24	28.383
553.34	28.387
553.44	28.39
553.54	28.393
553.64	28.396
553.74	28.399
553.84	28.403
553.94	28.406
554.	28.408
554.01	
554.02	
554.05	28.409
554.14	28.412
554.24	28.415
554.34	28.419
554.44	28.422
554.54	28.425
554.64	28.428
554.74	28.431
554.84	28.435
554.94	28.438
555.	28.44
555.01	
555.02	
555.05	28.441
555.14	28.444
555.24	28.447
555.34	28.451
555.44	28.454
555.54	28.457
555.64	28.46
555.74	28.464
555.84	28.467
555.94	28.47
556.	28.472
556.01	
556.02	
556.05	28.473
556.14	28.476
556.24	28.48
556.34	28.483
556.44	28.486
556.54	28.489
556.64	28.492
556.74	28.496
556.84	28.499
556.94	28.502
557.	28.504
557.01	
557.02	28.505
557.05	28.506
557.14	28.509
557.24	28.512
557.34	28.515
557.44	28.518
557.54	28.521
557.64	28.525
557.74	28.528
557.84	28.531
557.94	28.534

558.	28.536
558.01	28.537
558.02	
558.05	28.538
558.14	28.541
558.24	28.544
558.34	28.547
558.44	28.55
558.54	28.554
558.64	28.557
558.74	28.56
558.84	28.563
558.94	28.567
559.	28.568
559.01	28.569
559.02	
559.05	28.57
559.14	28.573
559.24	28.576
559.34	28.579
559.44	28.583
559.54	28.586
559.64	28.589
559.74	28.592
559.84	28.596
559.94	28.599
560.	28.601
560.4	28.614
560.8	28.627
562.	28.666
565.6	28.781
569.6	28.911
573.6	29.041
577.6	29.172
581.6	29.305
585.6	29.438
589.6	29.572
593.6	29.707
597.6	29.843
600.	29.925
606.	30.13

	23.888	
612.	23.887	30.336
630.		30.938
684.		32.961
738.	23.886	34.984
798.	23.887	37.2
858.		39.352
918.	23.888	41.417
978.	23.889	43.383
1038.	23.89	45.238
1098.		46.976
1158.		48.598
1200.		49.668
1212.		49.962
1224.		50.254
1260.		51.104
1296.		51.911
1404.		54.023
1512.		55.792
1632.		57.393
1752.		58.663
1872.		59.644
1992.		60.366
2112.		60.818
2232.		61.071
2352.		61.146
2400.		61.137
2412.		61.135
2424.		61.132
2460.		61.123
2568.		60.961
2676.		60.717
2796.		60.368
2916.		59.952
3036.		59.484
3156.		58.972
3276.		58.427
3396.		57.856
3516.		57.267
3600.		56.842
3612.		56.78
3624.		56.72
3660.		56.548
3768.		55.992
3876.		55.432
3996.	23.891	54.811
4116.		54.19
4236.		53.571
4356.		52.957
4476.		52.348
4596.	23.892	51.746
4716.		51.152
4800.		50.738
4812.		50.679
4824.		50.621
4860.		50.453
4968.	23.893	49.933
5076.		49.422
5196.	23.894	48.865
5316.		48.32
5436.	23.895	47.784
5556.	23.896	47.26
5676.		46.745
5796.	23.897	46.242
5916.	23.898	45.751
6000.		45.409

6012.	23.899	45.361
6024.		45.313
6060.		45.174
6168.	23.9	44.75
6276.	23.901	44.335
6396.	23.902	43.885
6516.	23.903	43.446
6636.	23.905	43.016
6756.	23.906	42.597
6876.	23.907	42.188
6996.	23.909	41.788
7116.	23.911	41.397
7200.	23.912	41.127

FIGURE 21
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum T

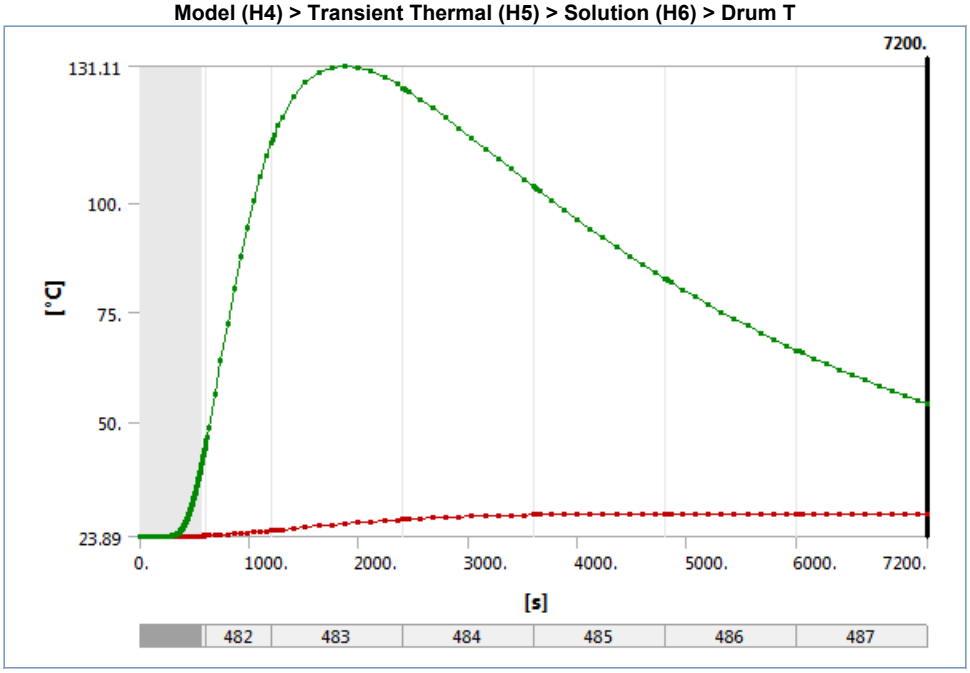

TABLE 29
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		

3.68
3.88
4.
4.02
4.04
4.1
4.28
4.48
4.68
4.88
5.08
5.28
5.48
5.68
5.88
6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48
10.68
10.88
11.08
11.28
11.48
11.68
11.88
12.
12.02
12.04
12.1
12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68

14.
14.02
14.04
14.1
14.22
14.33
14.441
14.641
14.841
15.041
15.241
15.441
15.641
15.841
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.87
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68

24.
24.02
24.04
24.1
24.28
24.48
24.68
24.88
25.08
25.28
25.48
25.68
25.88
26.
26.02
26.04
26.1
26.224
26.424
26.615
26.805
27.005
27.205
27.405
27.605
27.805
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.28
30.48
30.68
30.88
31.08
31.28
31.48
31.68
31.88
32.
32.02
32.04
32.1
32.28
32.48
32.68
32.88
33.08
33.28
33.48
33.68
33.88

34.02
34.04
34.1
34.28
34.48
34.68
34.88
35.08
35.28
35.48
35.68
35.88
36.
36.02
36.04
36.1
36.28
36.48
36.68
36.88
37.08
37.28
37.48
37.68
37.88
38.
38.02
38.04
38.1
38.28
38.48
38.68
38.88
39.08
39.28
39.48
39.68
39.88
40.
40.02
40.04
40.1
40.28
40.48
40.68
40.88
41.08
41.28
41.48
41.68
41.88
42.
42.02
42.04
42.1
42.28
42.48
42.68
42.88
43.08
43.28
43.48
43.68
43.872
44.

44.04		
44.1		
44.28		
44.48		
44.68		
44.88		
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		
46.28	23.89	
46.48		
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		
47.88		
48.		
48.02		
48.04		
48.1		
48.28		
48.48		
48.68		
48.88		

	23.89
49.08	
49.28	
49.48	
49.68	
49.88	
50.	
50.02	
50.04	
50.1	
50.28	
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	
51.88	
52.	
52.02	
52.04	
52.1	
52.28	
52.48	
52.68	
52.88	
53.08	
53.28	
53.48	
53.68	
53.877	
54.	
54.02	23.891
54.04	
54.1	
54.28	
54.48	
54.68	
54.88	
55.08	
55.28	
55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	
56.28	
56.48	
56.68	
56.88	
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
58.1	
58.28	
58.48	
58.68	
58.88	

59.08	
59.28	
59.48	
59.68	
59.88	
60.	
60.02	
60.04	
60.1	
60.28	
60.48	
60.68	
60.88	
61.08	
61.28	
61.48	
61.68	
61.88	
62.	
62.02	
62.04	
62.1	
62.28	
62.48	
62.68	
62.88	
63.08	
63.28	
63.48	
63.68	
63.88	
64.	
64.02	
64.04	
64.1	
64.28	
64.48	
64.68	
64.88	
65.08	
65.28	
65.48	
65.68	
65.88	
66.	
66.02	
66.04	
66.1	
66.28	
66.48	
66.68	23.892
66.88	
67.08	
67.28	
67.48	
67.68	
67.864	
68.	
68.02	
68.04	
68.1	
68.28	
68.48	
68.68	
68.88	
69.08	

69.48	
69.68	
69.88	
70.	
70.02	
70.04	
70.1	
70.28	
70.48	
70.68	
70.88	
71.08	
71.28	
71.48	
71.68	
71.88	
72.	
72.02	
72.04	
72.1	
72.28	
72.48	
72.68	
72.88	
73.08	
73.28	
73.48	
73.68	
73.88	
74.	
74.02	
74.04	
74.1	
74.22	
74.42	
74.603	
74.787	
74.987	
75.187	
75.387	
75.587	
75.787	
75.893	
76.	
76.02	
76.04	
76.1	23.893
76.28	
76.48	
76.68	
76.88	
77.08	
77.28	
77.48	
77.68	
77.88	
78.	
78.02	
78.04	
78.1	
78.28	
78.48	
78.68	
78.88	
79.08	

79.48	
79.68	
79.88	
80.	
80.02	
80.04	
80.1	
80.28	
80.48	
80.68	
80.88	
81.08	
81.28	
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81.88	
82.	
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82.04	
82.1	
82.28	
82.48	
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83.88	
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84.02	
84.04	
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87.68	
87.88	
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88.04	
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88.88	
89.08	
89.28	

89.48	
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89.88	
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90.04	
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90.68	
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91.88	
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92.02	
92.04	
92.1	
92.22	
92.42	
92.602	
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92.984	
93.184	
93.384	
93.584	
93.784	
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96.04	
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96.88	
97.08	
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97.68	
97.88	
98.	
98.02	
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98.1	
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98.48	
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98.88	
99.08	

99.28	
99.48	
99.68	
99.88	
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100.04	23.897
100.1	
100.28	
100.48	
100.68	
100.88	
101.08	
101.28	
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102.2	
102.4	
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102.94	
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103.54	
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104.	
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107.88	
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108.04	
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108.68	
108.88	

109.08	
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109.88	
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110.88	
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113.08	
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113.88	
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114.61	
114.81	
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115.41	
115.61	
115.81	
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116.04	
116.1	
116.28	
116.48	
116.68	
116.88	
117.08	
117.28	
117.48	
117.68	
117.83	23.902
117.92	
118.	
118.02	
118.04	
118.1	
118.28	
118.48	
118.68	

118.88	
119.08	
119.28	
119.48	23.903
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120.02	
120.04	
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120.68	
120.88	
121.08	
121.28	
121.48	
121.68	
121.88	
122.	
122.02	
122.04	
122.1	
122.28	
122.48	23.904
122.68	
122.88	
123.08	
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123.48	
123.68	
123.88	
124.	
124.02	
124.04	
124.1	
124.28	
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125.68	
125.88	
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126.04	
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127.28	
127.48	
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127.88	
128.	
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128.28	
128.48	
128.68	
128.88	

129.08	
129.28	
129.48	
129.68	
129.88	
130.	
130.02	23.906
130.04	
130.1	
130.28	
130.48	
130.68	
130.88	
131.08	
131.28	
131.48	
131.68	
131.88	
132.	
132.02	
132.04	23.907
132.1	
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133.88	
134.	
134.02	
134.04	
134.1	
134.28	
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134.68	
134.88	23.908
135.08	
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135.48	
135.68	
135.88	
136.	
136.02	
136.04	
136.1	
136.28	
136.48	
136.68	
136.88	
137.08	
137.28	
137.48	
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137.88	
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338.74	24.406

338.84		24.408
338.94		24.409
339.		24.41
339.01		
339.02		
339.05		24.411
339.14		24.412
339.24		24.414
339.34		24.415
339.44		24.417
339.54		24.418
339.64		24.42
339.74		24.421
339.84		24.423
339.94		24.424
340.		24.425
340.01		
340.02	23.897	
340.05		24.426
340.14		24.427
340.24		24.429
340.34		24.43
340.44		24.432
340.54		24.433
340.64		24.435
340.74		24.436
340.84		24.438
340.94		24.44
341.		24.441
341.01		
341.02		
341.05		
341.14		24.443
341.24		24.444
341.34		24.446
341.44		24.447
341.54		24.449
341.64		24.451
341.74		24.452
341.84		24.454
341.94		24.455
342.		24.456
342.01		
342.02		24.457
342.05		
342.14		24.459
342.24		24.46
342.34		24.462
342.44		24.463
342.54		24.465
342.64	23.898	24.467
342.74		24.468
342.84		24.47
342.94		24.472
343.		24.473
343.01		
343.02		
343.05		
343.14		24.475
343.24		24.477
343.34		24.478
343.44		24.48
343.54		24.482
343.64		24.483
343.74		24.485
343.84		24.487

343.94		24.488
344.		24.489
344.01		
344.02		24.49
344.05		
344.14		24.492
344.24		24.493
344.34		24.495
344.44		24.497
344.54		24.498
344.64		24.5
344.74		24.502
344.84		24.504
344.94		24.505
345.		24.506
345.01		24.507
345.02		
345.05		
345.14		24.509
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345.74		24.519
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345.94		24.523
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346.01		
346.02		
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346.44		24.532
346.54		24.534
346.64		24.536
346.74		24.537
346.84		24.539
346.94		24.541
347.		24.542
347.01		
347.02		
347.05		24.543
347.14		24.545
347.24	23.899	24.546
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347.44		24.55
347.54		24.552
347.64		24.554
347.74		24.556
347.84		24.558
347.94		24.559
348.		24.561
348.01		
348.02		
348.05		24.562
348.14		24.563
348.24		24.565
348.34		24.567
348.44		24.569
348.54		24.571
348.64		24.573
348.74		24.575
348.84		24.576
348.94		24.578

349.		
349.01		24.58
349.02		
349.05		
349.14		24.582
349.24		24.584
349.34		24.586
349.44		24.588
349.54		24.59
349.64		24.592
349.74		24.594
349.84		24.596
349.94		24.598
350.		24.599
350.01		
350.02		
350.05		24.6
350.14		24.602
350.24		24.604
350.34		24.606
350.44		24.608
350.54		24.61
350.64		24.612
350.74		24.614
350.84		24.616
350.94		24.618
351.		24.619
351.01		
351.02		
351.05		24.62
351.14		24.622
351.24		24.624
351.34		24.626
351.44		24.628
351.54		24.63
351.64		24.632
351.74		24.634
351.84	23.9	24.636
351.94		24.638
352.		24.639
352.01		
352.02		24.64
352.05		
352.14		24.642
352.24		24.644
352.34		24.646
352.44		24.648
352.54		24.65
352.64		24.652
352.74		24.654
352.84		24.657
352.94		24.659
353.		24.66
353.01		
353.02		
353.05		24.661
353.14		24.663
353.24		24.665
353.34		24.667
353.44		24.669
353.54		24.671
353.64		24.673
353.74		24.676
353.84		24.678
353.94		24.68
354.		

354.01		24.681
354.02		24.682
354.05		
354.14		24.684
354.24		24.686
354.34		24.689
354.44		24.691
354.54		24.693
354.64		24.695
354.74		24.697
354.84		24.699
354.94		24.702
355.		24.703
355.01		
355.02		
355.05		24.704
355.14		24.706
355.24		24.708
355.34		24.71
355.44		24.713
355.54		24.715
355.64	23.901	24.717
355.74		24.719
355.84		24.722
355.94		24.724
356.		24.725
356.01		
356.02		24.726
356.05		
356.14		24.728
356.24		24.731
356.34		24.733
356.44		24.735
356.54		24.737
356.64		24.74
356.74		24.742
356.84		24.744
356.94		24.746
357.		24.748
357.01		
357.02		
357.05		24.749
357.14		24.751
357.24		24.753
357.34		24.756
357.44		24.758
357.54		24.76
357.64		24.763
357.74		24.765
357.84		24.767
357.94		24.77
358.		24.771
358.01		
358.02		
358.05	23.902	24.772
358.14		24.774
358.24		24.777
358.34		24.779
358.44		24.781
358.54		24.784
358.64		24.786
358.74		24.788
358.84		24.791
358.94		24.793
359.		24.795
359.01		

359.02		
359.05		24.796
359.14		24.798
359.24		24.8
359.34		24.803
359.44		24.805
359.54		24.807
359.64		24.81
359.74		24.812
359.84		24.815
359.94		24.817
360.		24.819
360.01		
360.02		
360.05		24.82
360.14		24.822
360.24		24.824
360.34		24.827
360.44		24.829
360.54		24.832
360.64		24.834
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360.84		24.839
360.94		24.842
361.		24.843
361.01		
361.02		24.844
361.05		
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361.24		24.849
361.34		24.852
361.44		24.854
361.54		24.857
361.64		24.859
361.74		24.862
361.84		24.864
361.94		24.867
362.		24.868
362.01	23.903	
362.02		24.869
362.05		
362.14		24.872
362.24		24.874
362.34		24.877
362.44		24.879
362.54		24.882
362.64		24.884
362.74		24.887
362.84		24.89
362.94		24.892
363.		24.894
363.01		
363.02		
363.05		24.895
363.14		24.897
363.24		24.9
363.34		24.903
363.44		24.905
363.54		24.908
363.64		24.91
363.74		24.913
363.84		24.916
363.94		24.918
364.		24.92
364.01		
364.02		

364.05		24.921
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364.34		24.929
364.44		24.931
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364.74		24.939
364.84		24.942
364.94		24.945
365.		24.946
365.01		24.947
365.02		
365.05		24.948
365.14		24.95
365.24	23.904	24.953
365.34		24.955
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365.54		24.961
365.64		24.963
365.74		24.966
365.84		24.969
365.94		24.972
366.		24.973
366.01		
366.02		24.974
366.05		24.975
366.14		24.977
366.24		24.98
366.34		24.983
366.44		24.985
366.54		24.988
366.64		24.991
366.74		24.993
366.84		24.996
366.94		24.999
367.		25.001
367.01		
367.02		
367.05		25.002
367.14		25.005
367.24		25.007
367.34		25.01
367.44		25.013
367.54		25.016
367.64		25.019
367.74		25.021
367.84		25.024
367.94	23.905	25.027
368.		25.029
368.01		
368.02		
368.05		25.03
368.14		25.033
368.24		25.035
368.34		25.038
368.44		25.041
368.54		25.044
368.64		25.047
368.74		25.05
368.84		25.052
368.94		25.055
369.		25.057
369.01		
369.02		25.058
369.05		25.059

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369.34		25.067
369.44		25.07
369.54	23.906	25.073
369.64		25.076
369.74		25.078
369.84		25.081
369.94		25.084
370.		25.086
370.01		
370.02		25.087
370.05		
370.14		25.09
370.24		25.093
370.34		25.096
370.44		25.099
370.54		25.102
370.64		25.105
370.74		25.108
370.84		25.111
370.94		25.114
371.		25.115
371.01		25.116
371.02		
371.05		25.117
371.14		25.12
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371.34		25.126
371.44		25.129
371.54		25.132
371.64		25.135
371.74		25.138
371.84		25.141
371.94		25.144
372.		25.145
372.01		25.146
372.02		
372.05		25.147
372.14		25.15
372.24	23.907	25.153
372.34		25.156
372.44		25.159
372.54		25.162
372.64		25.165
372.74		25.168
372.84		25.171
372.94		25.174
373.		25.176
373.01		
373.02		
373.05		25.177
373.14		25.18
373.24		25.183
373.34		25.186
373.44		25.189
373.54		25.192
373.64		25.196
373.74		25.199
373.84		25.202
373.94		25.205
374.		25.207
374.01		
374.02		
374.05		25.208
374.14		25.211

374.24		25.214
374.34		25.217
374.44		25.221
374.54		25.224
374.64		25.227
374.74		25.23
374.84		25.233
374.94		25.236
375.		25.238
375.01		25.239
375.02		
375.05		25.24
375.14		25.243
375.24		25.246
375.34		25.249
375.44		25.252
375.54		25.255
375.64		25.259
375.74		25.262
375.84		25.265
375.94		25.268
376.		25.27
376.01		
376.02	23.908	25.271
376.05		25.272
376.14		25.275
376.24		25.278
376.34		25.281
376.44		25.284
376.54		25.288
376.64		25.291
376.74		25.294
376.84		25.297
376.94		25.301
377.		25.303
377.01		
377.02		
377.05		25.304
377.14		25.307
377.24		25.31
377.34		25.314
377.44		25.317
377.54		25.32
377.64		25.324
377.74		25.327
377.84		25.33
377.94		25.334
378.		25.336
378.01		
378.02		
378.05		25.337
378.14		25.34
378.24		25.344
378.34	23.909	25.347
378.44		25.35
378.54		25.354
378.64		25.357
378.74		25.36
378.84		25.364
378.94		25.367
379.		25.369
379.01		
379.02		25.37
379.05		25.371
379.14		25.374
379.24		25.377

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379.44		25.384
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379.74		25.394
379.84		25.397
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380.		25.403
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380.02		25.404
380.05		25.405
380.14		25.408
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380.34		25.415
380.44		25.418
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380.64		25.425
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380.94		25.435
381.		25.437
381.01		25.438
381.02	23.91	
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381.14		25.442
381.24		25.446
381.34		25.449
381.44		25.453
381.54		25.456
381.64		25.46
381.74		25.463
381.84		25.467
381.94		25.47
382.		25.472
382.01		25.473
382.02		
382.05		25.474
382.14		25.477
382.24		25.481
382.34		25.484
382.44		25.488
382.54		25.492
382.64		25.495
382.74		25.499
382.84		25.502
382.94		25.506
383.		25.508
383.01		
383.02		25.509
383.05		25.51
383.14		25.513
383.24		25.517
383.34	23.911	25.52
383.44		25.524
383.54		25.527
383.64		25.531
383.74		25.535
383.84		25.538
383.94		25.542
384.		25.544
384.01		
384.02		25.545
384.05		25.546
384.14		25.549
384.24		25.553
384.34		25.556

384.44		25.56
384.54		25.564
384.64		25.567
384.74		25.571
384.84		25.575
384.94		25.578
385.		25.581
385.01		
385.02		
385.05		25.582
385.14		25.586
385.24		25.589
385.34		25.593
385.44		25.597
385.54		25.6
385.64		25.604
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385.84	23.912	25.612
385.94		25.615
386.		25.618
386.01		
386.02		
386.05		25.619
386.14		25.623
386.24		25.627
386.34		25.63
386.44		25.634
386.54		25.638
386.64		25.642
386.74		25.645
386.84		25.649
386.94		25.653
387.		25.655
387.01		25.656
387.02		
387.05		25.657
387.14		25.66
387.24		25.664
387.34		25.668
387.44		25.672
387.54		25.676
387.64		25.68
387.74		25.683
387.84		25.687
387.94		25.691
388.		25.693
388.01		25.694
388.02	23.913	
388.05		25.695
388.14		25.699
388.24		25.703
388.34		25.706
388.44		25.71
388.54		25.714
388.64		25.718
388.74		25.722
388.84		25.726
388.94		25.73
389.		25.732
389.01		
389.02		25.733
389.05		25.734
389.14		25.737
389.24		25.741
389.34		25.745
389.44		25.749

389.54		25.753
389.64		25.757
389.74		25.761
389.84		25.765
389.94		25.769
390.		25.771
390.01		25.772
390.02		
390.05		25.773
390.14		25.777
390.24		25.781
390.34		25.785
390.44	23.914	25.789
390.54		25.793
390.64		25.797
390.74		25.8
390.84		25.804
390.94		25.808
391.		25.811
391.01		
391.02		25.812
391.05		25.813
391.14		25.816
391.24		25.82
391.34		25.825
391.44		25.829
391.54		25.833
391.64		25.837
391.74		25.841
391.84		25.845
391.94		25.849
392.		25.851
392.01		25.852
392.02		
392.05		25.853
392.14		25.857
392.24		25.861
392.34		25.865
392.44	23.915	25.869
392.54		25.873
392.64		25.877
392.74		25.881
392.84		25.885
392.94		25.889
393.		25.892
393.01		
393.02		25.893
393.05		25.894
393.14		25.898
393.24		25.902
393.34		25.906
393.44		25.91
393.54		25.914
393.64		25.918
393.74		25.923
393.84		25.927
393.94		25.931
394.		25.933
394.01	23.916	25.934
394.02		
394.05		25.935
394.14		25.939
394.24		25.943
394.34		25.948
394.44		25.952
394.54		25.956

394.64		25.96
394.74		25.964
394.84		25.968
394.94		25.973
395.		25.975
395.01		25.976
395.02		
395.05		25.977
395.14		25.981
395.24		25.985
395.34		25.99
395.44		25.994
395.54		25.998
395.64	23.917	26.002
395.74		26.007
395.84		26.011
395.94		26.015
396.		26.018
396.01		
396.02		26.019
396.05		26.02
396.14		26.024
396.24		26.028
396.34		26.032
396.44		26.037
396.54		26.041
396.64		26.045
396.74		26.049
396.84		26.054
396.94		26.058
397.		26.061
397.01		
397.02		26.062
397.05		26.063
397.14		26.067
397.24		26.071
397.34		26.075
397.44		26.08
397.54		26.084
397.64	23.918	26.088
397.74		26.093
397.84		26.097
397.94		26.102
398.		26.104
398.01		26.105
398.02		
398.05		26.106
398.14		26.11
398.24		26.115
398.34		26.119
398.44		26.124
398.54		26.128
398.64		26.132
398.74		26.137
398.84		26.141
398.94		26.146
399.		26.148
399.01		26.149
399.02		
399.05		26.151
399.14		26.155
399.24		26.159
399.34		26.163
399.44		26.168
399.54		26.172
399.64		26.177

399.74		26.181
399.84		26.186
399.94		26.19
400.		26.193
400.01		
400.02		26.194
400.05		26.195
400.14		26.199
400.24		26.204
400.34		26.208
400.44		26.213
400.54		26.217
400.64	23.919	26.222
400.74		26.226
400.84		26.231
400.94		26.235
401.		26.238
401.01		26.239
401.02		
401.05		26.24
401.14		26.245
401.24		26.249
401.34		26.254
401.44		26.258
401.54		26.263
401.64		26.267
401.74		26.272
401.84		26.277
401.94		26.281
402.		26.284
402.01		
402.02		26.285
402.05		26.286
402.14		26.29
402.24		26.295
402.34		26.3
402.44		26.304
402.54	23.92	26.309
402.64		26.314
402.74		26.318
402.84		26.323
402.94		26.327
403.		26.33
403.01		26.331
403.02		
403.05		26.333
403.14		26.337
403.24		26.341
403.34		26.346
403.44		26.351
403.54		26.356
403.64		26.36
403.74		26.365
403.84		26.37
403.94		26.374
404.		26.377
404.01		26.378
404.02	23.921	
404.05		26.379
404.14		26.384
404.24		26.388
404.34		26.393
404.44		26.398
404.54		26.403
404.64		26.407
404.74		26.412

404.84		26.417
404.94		26.422
405.		26.425
405.01		
405.02		26.426
405.05		26.427
405.14		26.431
405.24		26.436
405.34		26.441
405.44		26.446
405.54		26.45
405.64		26.455
405.74		26.46
405.84		26.465
405.94		26.47
406.		26.473
406.01		
406.02		26.474
406.05		26.475
406.14		26.479
406.24		26.484
406.34	23.922	26.489
406.44		26.494
406.54		26.499
406.64		26.504
406.74		26.508
406.84		26.513
406.94		26.518
407.		26.521
407.01		26.522
407.02		
407.05		26.524
407.14		26.528
407.24		26.533
407.34		26.538
407.44		26.543
407.54		26.548
407.64		26.552
407.74		26.557
407.84		26.562
407.94		26.567
408.		26.57
408.01		26.571
408.02		
408.05		26.573
408.14	23.923	26.577
408.24		26.582
408.34		26.587
408.44		26.592
408.54		26.597
408.64		26.602
408.74		26.607
408.84		26.612
408.94		26.617
409.		26.62
409.01		
409.02		26.621
409.05		26.622
409.14		26.627
409.24		26.632
409.34		26.637
409.44		26.642
409.54		26.647
409.64		26.652
409.74		26.657
409.84		26.662

409.94		26.667
410.		26.67
410.01		26.671
410.02		
410.05		26.673
410.14		26.677
410.24	23.924	26.682
410.34		26.687
410.44		26.692
410.54		26.697
410.64		26.703
410.74		26.708
410.84		26.713
410.94		26.718
411.		26.721
411.01		
411.02		26.722
411.05		26.723
411.14		26.728
411.24		26.733
411.34		26.738
411.44		26.743
411.54		26.749
411.64		26.754
411.74	23.925	26.759
411.84		26.764
411.94		26.769
412.		26.772
412.01		26.773
412.02		
412.05		26.775
412.14		26.779
412.24		26.785
412.34		26.79
412.44		26.795
412.54		26.8
412.64		26.805
412.74		26.811
412.84		26.816
412.94		26.821
413.		26.824
413.01		26.825
413.02		
413.05		26.827
413.14		26.831
413.24		26.837
413.34		26.842
413.44		26.847
413.54	23.926	26.852
413.64		26.858
413.74		26.863
413.84		26.868
413.94		26.873
414.		26.877
414.01		
414.02		26.878
414.05		26.879
414.14		26.884
414.24		26.889
414.34		26.895
414.44		26.9
414.54		26.905
414.64		26.911
414.74		26.916
414.84		26.921
414.94		26.926

415.	23.927	26.93
415.01		
415.02		26.931
415.05		26.932
415.14		26.937
415.24		26.942
415.34		26.948
415.44		26.953
415.54		26.959
415.64		26.964
415.74		26.969
415.84		26.975
415.94		26.98
416.		26.983
416.01		26.984
416.02		
416.05		26.986
416.14		26.991
416.24	23.928	26.996
416.34		27.002
416.44		27.007
416.54		27.012
416.64		27.018
416.74		27.023
416.84		27.029
416.94		27.034
417.		27.037
417.01		27.038
417.02		27.039
417.05		27.04
417.14		27.045
417.24		27.05
417.34		27.056
417.44		27.061
417.54		27.067
417.64		27.072
417.74		27.078
417.84		27.083
417.94	23.929	27.089
418.		27.092
418.01		27.093
418.02		
418.05		27.095
418.14		27.1
418.24		27.105
418.34		27.111
418.44		27.116
418.54		27.122
418.64		27.127
418.74		27.133
418.84		27.139
418.94		27.144
419.		27.147
419.01		27.148
419.02		27.149
419.05		27.15
419.14		27.155
419.24		27.161
419.34		27.166
419.44		27.172
419.54		27.177
419.64		27.183
419.74		27.189
419.84		27.194
419.94		27.2
420.		27.203

420.01	23.93	27.204
420.02		
420.05		27.206
420.14		27.211
420.24		27.217
420.34		27.222
420.44		27.228
420.54		27.234
420.64		27.239
420.74		27.245
420.84		27.251
420.94		27.256
421.		27.26
421.01		
421.02		27.261
421.05		27.262
421.14		27.268
421.24		27.273
421.34	23.931	27.279
421.44		27.285
421.54		27.29
421.64		27.296
421.74		27.302
421.84		27.307
421.94		27.313
422.		27.317
422.01		
422.02		27.318
422.05		27.319
422.14		27.325
422.24		27.33
422.34		27.336
422.44		27.342
422.54		27.348
422.64		27.353
422.74		27.359
422.84		27.365
422.94	23.932	27.371
423.		27.374
423.01		27.375
423.02		
423.05		27.377
423.14		27.382
423.24		27.388
423.34		27.394
423.44		27.4
423.54		27.405
423.64		27.411
423.74		27.417
423.84		27.423
423.94		27.429
424.		27.432
424.01		27.433
424.02		
424.05		27.435
424.14		27.44
424.24		27.446
424.34		27.452
424.44		27.458
424.54		27.464
424.64		27.47
424.74		27.476
424.84		27.481
424.94		27.487
425.		27.491
425.01		

425.02	23.933	27.492
425.05		27.494
425.14		27.499
425.24		27.505
425.34		27.511
425.44		27.517
425.54		27.523
425.64		27.529
425.74		27.535
425.84		27.541
425.94		27.546
426.		27.55
426.01		27.551
426.02		
426.05		27.553
426.14		27.558
426.24	23.934	27.564
426.34		27.57
426.44		27.576
426.54		27.582
426.64		27.588
426.74		27.594
426.84		27.6
426.94		27.606
427.		27.61
427.01		
427.02		27.611
427.05		27.613
427.14		27.618
427.24		27.624
427.34		27.63
427.44		27.636
427.54		27.642
427.64		27.648
427.74		27.654
427.84	23.935	27.66
427.94		27.666
428.		27.67
428.01		27.671
428.02		
428.05		27.673
428.14		27.679
428.24		27.685
428.34		27.691
428.44		27.697
428.54		27.703
428.64		27.709
428.74		27.715
428.84		27.721
428.94		27.727
429.		27.731
429.01		27.732
429.02		
429.05		27.734
429.14		27.74
429.24		27.746
429.34	23.936	27.752
429.44		27.758
429.54		27.764
429.64		27.77
429.74		27.776
429.84		27.783
429.94		27.789
430.		27.792
430.01		27.793
430.02		27.794

430.05		27.795
430.14		27.801
430.24		27.807
430.34		27.813
430.44		27.82
430.54		27.826
430.64		27.832
430.74		27.838
430.84		27.844
430.94		27.851
431.		27.854
431.01		27.855
431.02		27.856
431.05		27.857
431.14		27.863
431.24		27.869
431.34		27.876
431.44		27.882
431.54		27.888
431.64	23.937	27.894
431.74		27.901
431.84		27.907
431.94		27.913
432.		27.917
432.01		27.918
432.02		
432.05		27.92
432.14		27.926
432.24		27.932
432.34		27.938
432.44		27.945
432.54		27.951
432.64		27.957
432.74		27.964
432.84		27.97
432.94		27.976
433.		27.98
433.01		27.981
433.02		
433.05	23.938	27.983
433.14		27.989
433.24		27.995
433.34		28.002
433.44		28.008
433.54		28.014
433.64		28.021
433.74		28.027
433.84		28.033
433.94		28.04
434.		28.044
434.01		
434.02		28.045
434.05		28.047
434.14		28.053
434.24		28.059
434.34		28.065
434.44		28.072
434.54	23.939	28.078
434.64		28.085
434.74		28.091
434.84		28.098
434.94		28.104
435.		28.108
435.01		
435.02		28.109
435.05		28.111

435.14		28.117
435.24		28.123
435.34		28.13
435.44		28.136
435.54	23.94	28.143
435.64		28.149
435.74		28.156
435.84		28.162
435.94		28.169
436.		28.173
436.01		
436.02		28.174
436.05		28.176
436.14		28.182
436.24		28.188
436.34		28.195
436.44		28.201
436.54		28.208
436.64		28.214
436.74		28.221
436.84		28.227
436.94		28.234
437.	23.941	28.238
437.01		28.239
437.02		
437.05		28.241
437.14		28.247
437.24		28.254
437.34		28.26
437.44		28.267
437.54		28.273
437.64		28.28
437.74		28.287
437.84		28.293
437.94		28.3
438.		28.304
438.01		
438.02		28.305
438.05		28.307
438.14		28.313
438.24		28.32
438.34		28.326
438.44		28.333
438.54	23.942	28.34
438.64		28.346
438.74		28.353
438.84		28.36
438.94		28.366
439.		28.37
439.01		28.371
439.02		28.372
439.05		28.374
439.14		28.38
439.24		28.386
439.34		28.393
439.44		28.4
439.54		28.406
439.64		28.413
439.74		28.42
439.84		28.426
439.94		28.433
440.		28.437
440.01		28.438
440.02		28.439
440.05		28.441
440.14		28.447

440.24		28.453
440.34		28.46
440.44		28.467
440.54		28.474
440.64		28.48
440.74		28.487
440.84		28.494
440.94	23.943	28.501
441.		28.505
441.01		
441.02		28.506
441.05		28.508
441.14		28.514
441.24		28.521
441.34		28.528
441.44		28.535
441.54		28.541
441.64		28.548
441.74		28.555
441.84		28.562
441.94		28.569
442.		28.573
442.01		
442.02	23.944	28.574
442.05		28.576
442.14		28.582
442.24		28.589
442.34		28.596
442.44		28.603
442.54		28.61
442.64		28.617
442.74		28.623
442.84		28.63
442.94		28.637
443.		28.641
443.01		28.642
443.02		28.643
443.05		28.645
443.14		28.651
443.24		28.658
443.34		28.665
443.44		28.672
443.54	23.945	28.679
443.64		28.686
443.74		28.692
443.84		28.699
443.94		28.706
444.		28.71
444.01		28.711
444.02		28.712
444.05		28.714
444.14		28.72
444.24		28.727
444.34		28.734
444.44		28.741
444.54		28.748
444.64		28.755
444.74		28.762
444.84		28.769
444.94	23.946	28.776
445.		28.78
445.01		28.781
445.02		28.782
445.05		28.784
445.14		28.79
445.24		28.797

445.34		28.804
445.44		28.811
445.54		28.818
445.64		28.825
445.74	23.947	28.832
445.84		28.839
445.94		28.846
446.		28.85
446.01		28.851
446.02		28.852
446.05		28.854
446.14		28.86
446.24		28.867
446.34		28.874
446.44		28.881
446.54		28.889
446.64		28.896
446.74		28.903
446.84		28.91
446.94		28.917
447.		28.921
447.01		28.922
447.02		28.923
447.05		28.925
447.14	23.948	28.931
447.24		28.938
447.34		28.945
447.44		28.952
447.54		28.96
447.64		28.967
447.74		28.974
447.84		28.981
447.94		28.988
448.		28.992
448.01		28.993
448.02		28.994
448.05		28.996
448.14		29.002
448.24		29.01
448.34		29.017
448.44		29.024
448.54	23.949	29.031
448.64		29.038
448.74		29.046
448.84		29.053
448.94		29.06
449.		29.064
449.01		29.065
449.02		29.066
449.05		29.068
449.14		29.074
449.24		29.082
449.34		29.089
449.44		29.096
449.54		29.103
449.64		29.111
449.74		29.118
449.84		29.125
449.94		29.132
450.		29.137
450.01		
450.02		29.138
450.05		29.14
450.14		29.147
450.24		29.154
450.34		29.161

450.44		29.169
450.54		29.176
450.64		29.183
450.74		29.191
450.84		29.198
450.94	23.95	29.205
451.		29.21
451.01		
451.02		29.211
451.05		29.213
451.14		29.22
451.24		29.227
451.34		29.234
451.44		29.242
451.54		29.249
451.64		29.257
451.74		29.264
451.84		29.271
451.94		29.279
452.		29.283
452.01	23.951	29.284
452.02		29.285
452.05		29.287
452.14		29.293
452.24		29.301
452.34		29.308
452.44		29.316
452.54		29.323
452.64		29.33
452.74		29.338
452.84		29.345
452.94		29.353
453.		29.357
453.01		29.358
453.02		
453.05		29.361
453.14		29.367
453.24		29.375
453.34	23.952	29.382
453.44		29.39
453.54		29.397
453.64		29.405
453.74		29.412
453.84		29.42
453.94		29.427
454.		29.432
454.01		
454.02		29.433
454.05		29.435
454.14		29.442
454.24		29.449
454.34		29.457
454.44		29.464
454.54		29.472
454.64		29.479
454.74		29.487
454.84	23.953	29.494
454.94		29.502
455.		29.507
455.01		
455.02		29.508
455.05		29.51
455.14		29.517
455.24		29.525
455.34		29.532
455.44		29.54

455.54	23.954	29.547
455.64		29.555
455.74		29.562
455.84		29.57
455.94		29.578
456.		29.582
456.01		29.583
456.02		29.584
456.05		29.586
456.14		29.593
456.24		29.6
456.34		29.608
456.44		29.615
456.54		29.623
456.64		29.631
456.74		29.638
456.84	23.955	29.646
456.94		29.654
457.		29.658
457.01		29.659
457.02		29.66
457.05		29.662
457.14		29.669
457.24		29.677
457.34		29.684
457.44		29.692
457.54		29.699
457.64		29.707
457.74		29.715
457.84		29.722
457.94		29.73
458.		29.735
458.01		29.736
458.02		
458.05		29.739
458.14	23.956	29.746
458.24		29.753
458.34		29.761
458.44		29.769
458.54		29.776
458.64		29.784
458.74		29.792
458.84		29.8
458.94		29.807
459.		29.812
459.01		29.813
459.02		
459.05		29.816
459.14		29.823
459.24		29.83
459.34		29.838
459.44	23.957	29.846
459.54		29.854
459.64		29.862
459.74		29.869
459.84		29.877
459.94		29.885
460.		29.89
460.01		
460.02		29.891
460.05		29.893
460.14		29.9
460.24		29.908
460.34		29.916
460.44		29.924
460.54		29.932

460.64		29.939
460.74	23.958	29.947
460.84		29.955
460.94		29.963
461.		29.968
461.01		
461.02		29.969
461.05		29.972
461.14		29.979
461.24		29.987
461.34		29.994
461.44		30.002
461.54		30.01
461.64		30.018
461.74		30.026
461.84		30.034
461.94		30.042
462.		30.046
462.01		30.047
462.02		30.048
462.05		30.05
462.14	23.959	30.057
462.24		30.065
462.34		30.073
462.44		30.081
462.54		30.089
462.64		30.097
462.74		30.105
462.84		30.113
462.94		30.121
463.		30.126
463.01		
463.02		30.127
463.05		30.13
463.14		30.137
463.24		30.145
463.34		30.153
463.44	23.96	30.161
463.54		30.169
463.64		30.176
463.74		30.184
463.84		30.192
463.94		30.2
464.		30.205
464.01		30.206
464.02		30.207
464.05		30.209
464.14		30.216
464.24		30.224
464.34		30.232
464.44		30.24
464.54		30.248
464.64		30.257
464.74	23.961	30.265
464.84		30.273
464.94		30.281
465.		30.285
465.01		30.286
465.02		30.287
465.05		30.289
465.14		30.297
465.24		30.305
465.34		30.313
465.44		30.321
465.54		30.329
465.64		30.337

465.74		30.345
465.84		30.353
465.94		30.361
466.	23.962	30.366
466.01		30.367
466.02		30.368
466.05		30.37
466.14		30.378
466.24		30.386
466.34		30.394
466.44		30.402
466.54		30.41
466.64		30.418
466.74		30.426
466.84		30.434
466.94		30.443
467.		30.447
467.01		30.448
467.02		30.449
467.05		30.451
467.14		30.459
467.24	23.963	30.467
467.34		30.475
467.44		30.483
467.54		30.491
467.64		30.5
467.74		30.508
467.84		30.516
467.94		30.524
468.		30.529
468.01		30.53
468.02		30.531
468.05		30.533
468.14		30.541
468.24		30.549
468.34		30.557
468.44		30.565
468.54	23.964	30.573
468.64		30.582
468.74		30.59
468.84		30.598
468.94		30.606
469.		30.611
469.01		30.612
469.02		30.613
469.05		30.615
469.14		30.623
469.24		30.631
469.34		30.639
469.44		30.648
469.54		30.656
469.64		30.664
469.74		30.673
469.84	23.965	30.681
469.94		30.689
470.		30.694
470.01		30.695
470.02		30.696
470.05		30.698
470.14		30.706
470.24		30.714
470.34		30.722
470.44		30.731
470.54		30.739
470.64		30.747
470.74		30.756

470.84		30.764
470.94		30.772
471.		30.777
471.01		30.778
471.02		30.779
471.05	23.966	30.781
471.14		30.789
471.24		30.797
471.34		30.806
471.44		30.814
471.54		30.822
471.64		30.831
471.74		30.839
471.84		30.848
471.94		30.856
472.		30.861
472.01		30.862
472.02		30.863
472.05		30.865
472.14		30.873
472.24		30.881
472.34	23.967	30.89
472.44		30.898
472.54		30.906
472.64		30.915
472.74		30.923
472.84		30.932
472.94		30.94
473.		30.945
473.01		30.946
473.02		30.947
473.05		30.949
473.14		30.957
473.24		30.966
473.34		30.974
473.44		30.982
473.54		30.991
473.64	23.968	30.999
473.74		31.008
473.84		31.016
473.94		31.025
474.		31.03
474.01		31.031
474.02		31.032
474.05		31.034
474.14		31.042
474.24		31.05
474.34		31.059
474.44		31.067
474.54		31.076
474.64		31.084
474.74		31.093
474.84	23.969	31.102
474.94		31.11
475.		31.115
475.01		31.116
475.02		31.117
475.05		31.119
475.14		31.127
475.24		31.136
475.34		31.144
475.44		31.153
475.54		31.161
475.64		31.17
475.74		31.179
475.84		31.187

475.94		31.196
476.		31.201
476.01		31.202
476.02		31.203
476.05	23.97	31.205
476.14		31.213
476.24		31.222
476.34		31.23
476.44		31.239
476.54		31.247
476.64		31.256
476.74		31.265
476.84		31.273
476.94		31.282
477.		31.287
477.01		31.288
477.02		31.289
477.05		31.291
477.14		31.299
477.24		31.308
477.34	23.971	31.317
477.44		31.325
477.54		31.334
477.64		31.343
477.74		31.351
477.84		31.36
477.94		31.369
478.		31.374
478.01		31.375
478.02		31.376
478.05		31.378
478.14		31.386
478.24		31.395
478.34		31.403
478.44		31.412
478.54	23.972	31.421
478.64		31.43
478.74		31.438
478.84		31.447
478.94		31.456
479.		31.461
479.01		31.462
479.02		31.463
479.05		31.465
479.14		31.473
479.24		31.482
479.34		31.491
479.44		31.499
479.54		31.508
479.64		31.517
479.74	23.973	31.526
479.84		31.535
479.94		31.543
480.		31.549
480.01		
480.02		31.55
480.05		31.553
480.14		31.561
480.24		31.57
480.34		31.579
480.44		31.587
480.54		31.596
480.64		31.605
480.74		31.614
480.84		31.623
480.94		31.631

481.	23.974	31.637
481.01		31.638
481.02		31.639
481.05		31.641
481.14		31.649
481.24		31.658
481.34		31.667
481.44		31.676
481.54		31.685
481.64		31.693
481.74		31.702
481.84		31.711
481.94		31.72
482.		31.725
482.01		31.726
482.02		31.727
482.05		31.73
482.14	23.975	31.738
482.24		31.747
482.34		31.756
482.44		31.764
482.54		31.773
482.64		31.782
482.74		31.791
482.84		31.8
482.94		31.809
483.		31.814
483.01		31.815
483.02		31.816
483.05		31.819
483.14		31.827
483.24		31.836
483.34		31.845
483.44	23.976	31.854
483.54		31.863
483.64		31.872
483.74		31.881
483.84		31.89
483.94		31.899
484.		31.904
484.01		31.905
484.02		31.906
484.05		31.908
484.14		31.917
484.24		31.926
484.34		31.935
484.44		31.944
484.54		31.953
484.64	23.977	31.962
484.74		31.971
484.84		31.98
484.94		31.989
485.		31.994
485.01		31.995
485.02		31.996
485.05		31.999
485.14		32.007
485.24		32.016
485.34		32.025
485.44		32.034
485.54		32.043
485.64		32.052
485.74		32.061
485.84		32.07
485.94		32.079
486.		

486.01		32.085
486.02		32.086
486.05		32.089
486.14		32.097
486.24		32.106
486.34	23.978	32.115
486.44		32.125
486.54		32.134
486.64		32.143
486.74		32.152
486.84		32.161
486.94		32.17
487.		32.176
487.01		
487.02		32.177
487.05		32.18
487.14		32.188
487.24		32.197
487.34		32.207
487.44	23.979	32.216
487.54		32.225
487.64		32.234
487.74		32.243
487.84		32.252
487.94		32.261
488.		32.267
488.01		32.268
488.02		32.269
488.05		32.272
488.14		32.28
488.24		32.289
488.34		32.298
488.44		32.307
488.54		32.317
488.64		32.326
488.74		32.335
488.84	23.98	32.344
488.94		32.353
489.		32.359
489.01		32.36
489.02		32.361
489.05		32.363
489.14		32.372
489.24		32.381
489.34		32.39
489.44		32.399
489.54		32.409
489.64		32.418
489.74		32.427
489.84		32.436
489.94		32.446
490.	23.981	32.451
490.01		32.452
490.02		32.453
490.05		32.456
490.14		32.464
490.24		32.473
490.34		32.483
490.44		32.492
490.54		32.501
490.64		32.511
490.74		32.52
490.84		32.529
490.94		32.538
491.		32.544
491.01		32.545

491.02		32.546
491.05		32.549
491.14		32.557
491.24	23.982	32.566
491.34		32.576
491.44		32.585
491.54		32.594
491.64		32.604
491.74		32.613
491.84		32.622
491.94		32.632
492.		32.637
492.01		32.638
492.02		32.639
492.05	23.983	32.642
492.14		32.65
492.24		32.66
492.34		32.669
492.44		32.679
492.54		32.688
492.64		32.697
492.74		32.707
492.84		32.716
492.94		32.725
493.		32.731
493.01		32.732
493.02		32.733
493.05		32.736
493.14		32.744
493.24	23.984	32.754
493.34		32.763
493.44		32.773
493.54		32.782
493.64		32.791
493.74		32.801
493.84		32.81
493.94		32.82
494.		32.825
494.01		32.826
494.02		32.827
494.05		32.83
494.14		32.839
494.24		32.848
494.34		32.857
494.44		32.867
494.54	23.985	32.876
494.64		32.886
494.74		32.895
494.84		32.905
494.94		32.914
495.		32.92
495.01		32.921
495.02		32.922
495.05		32.925
495.14		32.933
495.24		32.943
495.34		32.952
495.44		32.962
495.54		32.971
495.64	23.986	32.981
495.74		32.99
495.84		33.
495.94		33.009
496.		33.015
496.01		33.016
496.02		33.017

496.05		33.02
496.14		33.028
496.24		33.038
496.34	23.987	33.048
496.44		33.057
496.54		33.067
496.64		33.076
496.74		33.086
496.84		33.095
496.94		33.105
497.		33.111
497.01		33.112
497.02		33.113
497.05		33.115
497.14		33.124
497.24		33.134
497.34		33.143
497.44	23.988	33.153
497.54		33.162
497.64		33.172
497.74		33.182
497.84		33.191
497.94		33.201
498.		33.207
498.01		33.208
498.02		33.209
498.05		33.212
498.14		33.22
498.24		33.23
498.34		33.239
498.44		33.249
498.54		33.259
498.64	23.989	33.268
498.74		33.278
498.84		33.288
498.94		33.297
499.		33.303
499.01		33.304
499.02		33.305
499.05		33.308
499.14		33.317
499.24		33.326
499.34		33.336
499.44		33.346
499.54		33.355
499.64		33.365
499.74	23.99	33.375
499.84		33.385
499.94		33.394
500.		33.4
500.01		33.401
500.02		33.402
500.05		33.405
500.14		33.414
500.24		33.423
500.34		33.433
500.44		33.443
500.54		33.453
500.64		33.462
500.74		33.472
500.84		33.482
500.94		33.492
501.		33.497
501.01		33.498
501.02		33.499
501.05		33.502

501.14		33.511
501.24		33.521
501.34		33.531
501.44		33.54
501.54	23.991	33.55
501.64		33.56
501.74		33.57
501.84		33.579
501.94		33.589
502.		33.595
502.01		33.596
502.02		33.597
502.05		33.6
502.14		33.609
502.24		33.619
502.34		33.629
502.44		33.638
502.54	23.992	33.648
502.64		33.658
502.74		33.668
502.84		33.678
502.94		33.687
503.		33.693
503.01		33.694
503.02		33.695
503.05		33.698
503.14		33.707
503.24		33.717
503.34		33.727
503.44		33.737
503.54		33.747
503.64		33.756
503.74	23.993	33.766
503.84		33.776
503.94		33.786
504.		33.792
504.01		33.793
504.02		33.794
504.05		33.797
504.14		33.806
504.24		33.816
504.34		33.826
504.44		33.836
504.54		33.846
504.64		33.855
504.74		33.865
504.84	23.994	33.875
504.94		33.885
505.		33.891
505.01		33.892
505.02		33.893
505.05		33.896
505.14		33.905
505.24		33.915
505.34		33.925
505.44		33.935
505.54		33.945
505.64		33.955
505.74		33.965
505.84	23.995	33.975
505.94		33.985
506.		33.991
506.01		33.992
506.02		33.993
506.05		33.996
506.14		34.005

506.24		34.015
506.34		34.025
506.44		34.035
506.54	23.996	34.045
506.64		34.055
506.74		34.065
506.84		34.075
506.94		34.085
507.		34.091
507.01		34.092
507.02		34.093
507.05		34.096
507.14		34.105
507.24		34.115
507.34		34.125
507.44		34.135
507.54		34.145
507.64	23.997	34.155
507.74		34.165
507.84		34.175
507.94		34.185
508.		34.191
508.01		34.192
508.02		34.193
508.05		34.196
508.14		34.205
508.24		34.215
508.34		34.225
508.44		34.235
508.54		34.245
508.64		34.255
508.74	23.998	34.266
508.84		34.276
508.94		34.286
509.		34.292
509.01		34.293
509.02		34.294
509.05		34.297
509.14		34.306
509.24		34.316
509.34		34.326
509.44		34.336
509.54		34.346
509.64		34.357
509.74		34.367
509.84	23.999	34.377
509.94		34.387
510.		34.393
510.01		34.394
510.02		34.395
510.05		34.398
510.14		34.407
510.24		34.417
510.34		34.428
510.44		34.438
510.54		34.448
510.64		34.458
510.74		34.468
510.84		34.478
510.94		34.489
511.		34.495
511.01		34.496
511.02		34.497
511.05		34.5
511.14		34.509
511.24		34.519

511.34		34.529
511.44		34.54
511.54		34.55
511.64	24.	34.56
511.74		34.57
511.84		34.58
511.94		34.591
512.		34.597
512.01		34.598
512.02		34.599
512.05		34.602
512.14		34.611
512.24		34.621
512.34		34.632
512.44		34.642
512.54	24.001	34.652
512.64		34.662
512.74		34.673
512.84		34.683
512.94		34.693
513.		34.699
513.01		34.7
513.02		34.701
513.05		34.704
513.14		34.714
513.24		34.724
513.34		34.734
513.44		34.744
513.54		34.755
513.64		34.765
513.74	24.002	34.775
513.84		34.786
513.94		34.796
514.		34.802
514.01		34.803
514.02		34.804
514.05		34.807
514.14		34.817
514.24		34.827
514.34		34.837
514.44		34.847
514.54		34.858
514.64		34.868
514.74		34.878
514.84	24.003	34.889
514.94		34.899
515.		34.905
515.01		34.906
515.02		34.907
515.05		34.911
515.14		34.92
515.24		34.93
515.34		34.941
515.44		34.951
515.54		34.961
515.64		34.972
515.74		34.982
515.84	24.004	34.992
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516.		35.009
516.01		35.01
516.02		35.011
516.05		35.014
516.14		35.024
516.24		35.034
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516.44		35.055
516.54		35.065
516.64		35.076
516.74		35.086
516.84		35.097
516.94		35.107
517.	24.005	35.113
517.01		35.114
517.02		35.115
517.05		35.118
517.14		35.128
517.24		35.138
517.34		35.149
517.44		35.159
517.54		35.17
517.64		35.18
517.74		35.191
517.84		35.201
517.94		35.211
518.	24.006	35.218
518.01		35.219
518.02		35.22
518.05		35.223
518.14		35.232
518.24		35.243
518.34		35.253
518.44		35.264
518.54		35.274
518.64		35.285
518.74		35.295
518.84		35.306
518.94		35.316
519.		35.323
519.01	24.007	35.324
519.02		35.325
519.05		35.328
519.14		35.337
519.24		35.348
519.34		35.358
519.44		35.369
519.54		35.38
519.64		35.39
519.74		35.401
519.84		35.411
519.94		35.422
520.		35.428
520.01		35.429
520.02	24.008	35.43
520.05		35.433
520.14		35.443
520.24		35.453
520.34		35.464
520.44		35.475
520.54		35.485
520.64		35.496
520.74		35.506
520.84		35.517
520.94		35.527
521.		35.534
521.01	24.009	35.535
521.02		35.536
521.05		35.539
521.14		35.549
521.24		35.559
521.34		35.57
521.44		35.58

521.54		35.591
521.64		35.602
521.74	24.01	35.612
521.84		35.623
521.94		35.634
522.		35.64
522.01		35.641
522.02		35.642
522.05		35.645
522.14		35.655
522.24		35.665
522.34		35.676
522.44		35.687
522.54		35.697
522.64		35.708
522.74		35.719
522.84	24.011	35.729
522.94		35.74
523.		35.746
523.01		35.748
523.02		35.749
523.05		35.752
523.14		35.761
523.24		35.772
523.34		35.783
523.44		35.793
523.54		35.804
523.64		35.815
523.74		35.826
523.84	24.012	35.836
523.94		35.847
524.		35.853
524.01		35.854
524.02		35.855
524.05		35.859
524.14		35.868
524.24		35.879
524.34		35.89
524.44		35.901
524.54		35.911
524.64		35.922
524.74		35.933
524.84		35.943
524.94	24.013	35.954
525.		35.961
525.01		35.962
525.02		35.963
525.05		35.966
525.14		35.976
525.24		35.986
525.34		35.997
525.44		36.008
525.54		36.019
525.64		36.03
525.74		36.04
525.84		36.051
525.94	24.014	36.062
526.		36.068
526.01		36.069
526.02		36.071
526.05		36.074
526.14		36.083
526.24		36.094
526.34		36.105
526.44		36.116
526.54		36.127

526.64		36.137
526.74		36.148
526.84		36.159
526.94		36.17
527.		36.176
527.01		36.178
527.02		36.179
527.05		36.182
527.14		36.192
527.24		36.202
527.34		36.213
527.44	24.015	36.224
527.54		36.235
527.64		36.246
527.74		36.257
527.84		36.268
527.94		36.278
528.		36.285
528.01		36.286
528.02		36.287
528.05		36.29
528.14		36.3
528.24		36.311
528.34		36.322
528.44		36.333
528.54		36.344
528.64	24.016	36.355
528.74		36.365
528.84		36.376
528.94		36.387
529.		36.394
529.01		36.395
529.02		36.396
529.05		36.399
529.14		36.409
529.24		36.42
529.34		36.431
529.44		36.442
529.54		36.453
529.64		36.464
529.74	24.017	36.475
529.84		36.486
529.94		36.496
530.		36.503
530.01		36.504
530.02		36.505
530.05		36.508
530.14		36.518
530.24		36.529
530.34		36.54
530.44		36.551
530.54		36.562
530.64		36.573
530.74	24.018	36.584
530.84		36.595
530.94		36.606
531.		36.613
531.01		36.614
531.02		36.615
531.05		36.618
531.14		36.628
531.24		36.639
531.34		36.65
531.44		36.661
531.54		36.672
531.64		36.683

531.74		36.694
531.84		36.705
531.94		36.716
532.	24.019	36.723
532.01		36.724
532.02		36.725
532.05		36.728
532.14		36.738
532.24		36.749
532.34		36.76
532.44		36.771
532.54		36.782
532.64		36.793
532.74		36.804
532.84	24.02	36.815
532.94		36.826
533.		36.833
533.01		36.834
533.02		36.835
533.05		36.838
533.14		36.848
533.24		36.86
533.34		36.871
533.44		36.882
533.54		36.893
533.64		36.904
533.74		36.915
533.84	24.021	36.926
533.94		36.937
534.		36.944
534.01		36.945
534.02		36.946
534.05		36.949
534.14		36.959
534.24		36.97
534.34		36.981
534.44		36.993
534.54		37.004
534.64		37.015
534.74		37.026
534.84		37.037
534.94	24.022	37.048
535.		37.055
535.01		37.056
535.02		37.057
535.05		37.06
535.14		37.07
535.24		37.082
535.34		37.093
535.44		37.104
535.54		37.115
535.64		37.126
535.74		37.137
535.84		37.148
535.94	24.023	37.16
536.		37.166
536.01		37.167
536.02		37.168
536.05		37.172
536.14		37.182
536.24		37.193
536.34		37.204
536.44		37.215
536.54		37.227
536.64		37.238
536.74		37.249

536.84	24.024	37.26
536.94		37.271
537.		37.278
537.01		37.279
537.02		37.28
537.05		37.284
537.14		37.294
537.24		37.305
537.34	24.025	37.316
537.44		37.327
537.54		37.339
537.64		37.35
537.74		37.361
537.84		37.372
537.94		37.384
538.		37.39
538.01		37.391
538.02		37.393
538.05		37.396
538.14		37.406
538.24		37.417
538.34		37.428
538.44	24.026	37.44
538.54		37.451
538.64		37.462
538.74		37.474
538.84		37.485
538.94		37.496
539.		37.503
539.01		37.504
539.02		37.505
539.05		37.508
539.14		37.519
539.24		37.53
539.34		37.541
539.44	24.027	37.552
539.54		37.564
539.64		37.575
539.74		37.586
539.84		37.598
539.94		37.609
540.		37.616
540.01		37.617
540.02		37.618
540.05		37.621
540.14		37.632
540.24		37.643
540.34		37.654
540.44	24.028	37.666
540.54		37.677
540.64		37.688
540.74		37.7
540.84		37.711
540.94		37.722
541.		37.729
541.01		37.73
541.02		37.731
541.05		37.735
541.14		37.745
541.24		37.756
541.34		37.768
541.44		37.779
541.54		37.79
541.64		37.802
541.74		37.813
541.84		37.824

541.94		37.836
542.		37.843
542.01		37.844
542.02	24.029	37.845
542.05		37.848
542.14		37.859
542.24		37.87
542.34		37.881
542.44		37.893
542.54		37.904
542.64		37.916
542.74		37.927
542.84		37.938
542.94		37.95
543.	24.03	37.957
543.01		37.958
543.02		37.959
543.05		37.962
543.14		37.973
543.24		37.984
543.34		37.995
543.44		38.007
543.54		38.018
543.64		38.03
543.74		38.041
543.84		38.053
543.94		38.064
544.	24.031	38.071
544.01		38.072
544.02		38.073
544.05		38.077
544.14		38.087
544.24		38.098
544.34		38.11
544.44		38.121
544.54		38.133
544.64		38.144
544.74		38.156
544.84		38.167
544.94		38.179
545.	24.032	38.186
545.01		38.187
545.02		38.188
545.05		38.191
545.14		38.202
545.24		38.213
545.34		38.225
545.44		38.236
545.54		38.248
545.64		38.259
545.74		38.271
545.84		38.282
545.94		38.294
546.		38.301
546.01	24.033	38.302
546.02		38.303
546.05		38.306
546.14		38.317
546.24		38.328
546.34		38.34
546.44		38.351
546.54		38.363
546.64		38.374
546.74		38.386
546.84		38.397
546.94		38.409

547.	24.034	38.416
547.01		38.417
547.02		38.418
547.05		38.422
547.14		38.432
547.24		38.444
547.34		38.455
547.44		38.467
547.54	24.035	38.478
547.64		38.49
547.74		38.501
547.84		38.513
547.94		38.525
548.		38.532
548.01		38.533
548.02		38.534
548.05		38.537
548.14		38.548
548.24		38.559
548.34		38.571
548.44	24.036	38.583
548.54		38.594
548.64		38.606
548.74		38.617
548.84		38.629
548.94		38.641
549.		38.648
549.01		38.649
549.02		38.65
549.05		38.653
549.14		38.664
549.24		38.676
549.34		38.687
549.44	24.037	38.699
549.54		38.71
549.64		38.722
549.74		38.734
549.84		38.745
549.94		38.757
550.		38.764
550.01		38.765
550.02		38.766
550.05		38.77
550.14		38.78
550.24		38.792
550.34		38.804
550.44	24.038	38.815
550.54		38.827
550.64		38.839
550.74		38.85
550.84		38.862
550.94		38.874
551.		38.881
551.01		38.882
551.02		38.883
551.05		38.887
551.14		38.897
551.24		38.909
551.34		38.92
551.44	24.039	38.932
551.54		38.944
551.64		38.956
551.74		38.967
551.84		38.979
551.94		38.991
552.		38.998

552.01		38.999
552.02		39.
552.05		39.004
552.14		39.014
552.24		39.026
552.34		39.038
552.44		39.049
552.54		39.061
552.64		39.073
552.74		39.085
552.84		39.096
552.94		39.108
553.	24.04	39.115
553.01		39.116
553.02		39.117
553.05		39.121
553.14		39.132
553.24		39.143
553.34		39.155
553.44		39.167
553.54		39.179
553.64		39.19
553.74		39.202
553.84		39.214
553.94		39.226
554.	24.041	39.233
554.01		39.234
554.02		39.235
554.05		39.239
554.14		39.249
554.24		39.261
554.34		39.273
554.44		39.285
554.54		39.296
554.64		39.308
554.74		39.32
554.84		39.332
554.94		39.344
555.	24.042	39.351
555.01		39.352
555.02		39.353
555.05		39.357
555.14		39.367
555.24		39.379
555.34		39.391
555.44		39.403
555.54		39.415
555.64		39.426
555.74		39.438
555.84		39.45
555.94	24.043	39.462
556.		39.469
556.01		39.47
556.02		39.471
556.05		39.475
556.14		39.486
556.24		39.498
556.34		39.509
556.44		39.521
556.54		39.533
556.64		39.545
556.74	24.044	39.557
556.84		39.569
556.94		39.581
557.		39.588
557.01		39.589

557.02		39.59
557.05		39.594
557.14		39.604
557.24		39.616
557.34	24.045	39.628
557.44		39.64
557.54		39.652
557.64		39.664
557.74		39.676
557.84		39.688
557.94		39.7
558.		39.707
558.01		39.708
558.02		39.709
558.05		39.713
558.14		39.723
558.24		39.735
558.34	24.046	39.747
558.44		39.759
558.54		39.771
558.64		39.783
558.74		39.795
558.84		39.807
558.94		39.819
559.		39.826
559.01		39.827
559.02		39.828
559.05		39.832
559.14		39.843
559.24		39.855
559.34	24.047	39.867
559.44		39.879
559.54		39.891
559.64		39.903
559.74		39.914
559.84		39.926
559.94		39.938
560.		39.946
560.4	24.048	39.993
560.8		40.041
562.	24.049	40.185
565.6	24.053	40.615
569.6	24.057	41.098
573.6	24.061	41.584
577.6	24.065	42.076
581.6	24.07	42.572
585.6	24.074	43.072
589.6	24.078	43.576
593.6	24.082	44.085
597.6	24.087	44.597
600.	24.089	44.908
606.	24.096	45.682
612.	24.103	46.464
630.	24.122	48.775
684.	24.195	56.46
738.	24.275	64.137
798.	24.373	72.44
858.	24.479	80.322
918.	24.594	87.663
978.	24.716	94.389
1038.	24.845	100.46
1098.	24.979	105.88
1158.	25.118	110.64
1200.	25.217	113.66
1212.	25.244	114.49
1224.	25.272	115.29

1260.	25.359	117.51
1296.	25.448	119.53
1404.	25.714	124.13
1512.	25.977	127.37
1632.	26.261	129.64
1752.	26.534	130.81
1872.	26.793	131.11
1992.	27.037	130.74
2112.	27.264	129.84
2232.	27.473	128.54
2352.	27.666	126.92
2400.	27.74	126.19
2412.	27.759	126.01
2424.	27.777	125.82
2460.	27.83	125.3
2568.	27.977	123.48
2676.	28.112	121.55
2796.	28.247	119.32
2916.	28.368	117.02
3036.	28.477	114.69
3156.	28.574	112.33
3276.	28.661	109.97
3396.	28.737	107.61
3516.	28.805	105.27
3600.	28.848	103.62
3612.	28.854	103.38
3624.	28.86	103.15
3660.	28.879	102.49
3768.	28.924	100.43
3876.	28.964	98.403
3996.	29.003	96.203
4116.	29.036	94.046
4236.	29.064	91.935
4356.	29.087	89.871
4476.	29.107	87.855
4596.	29.122	85.888
4716.	29.134	83.97
4800.	29.14	82.639
4812.	29.141	82.451
4824.	29.142	82.263
4860.	29.146	81.727
4968.	29.15	80.087
5076.	29.153	78.486
5196.		76.762
5316.	29.152	75.084
5436.	29.149	73.453
5556.	29.144	71.867
5676.	29.137	70.325
5796.	29.129	68.827
5916.	29.119	67.371
6000.	29.111	66.365
6012.		66.223
6024.	29.11	66.082
6060.	29.107	65.675
6168.	29.096	64.438
6276.	29.084	63.234
6396.	29.07	61.939
6516.	29.055	60.681
6636.	29.04	59.46
6756.	29.024	58.274
6876.	29.007	57.124
6996.	28.99	56.007
7116.	28.972	54.923
7200.	28.959	54.175

FIGURE 22

Model (H4) > Transient Thermal (H5) > Solution (H6) > SWB T

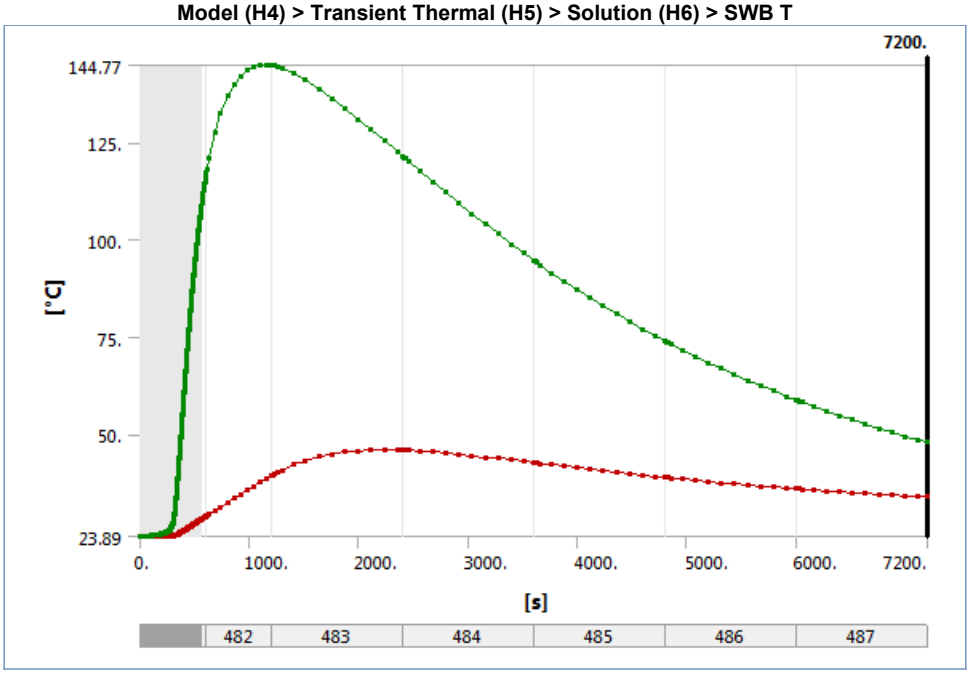

TABLE 30
Model (H4) > Transient Thermal (H5) > Solution (H6) > SWB T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		

6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		23.89
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.22		
14.33		
14.441		
14.641		
14.841		
15.041		
15.241		
15.441		
15.641		
15.841		

16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	
17.68	
17.88	
18.	23.891
18.02	
18.04	
18.1	
18.28	
18.48	
18.68	
18.88	
19.08	
19.28	
19.48	
19.68	
19.87	23.892
20.	
20.02	
20.04	
20.1	
20.28	
20.48	
20.68	
20.88	
21.08	
21.28	
21.48	
21.68	23.893
21.88	
22.	
22.02	
22.04	
22.1	
22.28	
22.48	
22.68	
22.88	
23.08	23.894
23.28	
23.48	
23.68	
23.861	
24.	
24.02	
24.04	
24.1	
24.28	
24.48	23.895
24.68	
24.88	
25.08	
25.28	
25.48	
25.68	
25.88	
26.	

26.02	23.896
26.04	
26.1	
26.224	
26.424	
26.615	
26.805	
27.005	
27.205	23.897
27.405	
27.605	
27.805	
28.	
28.02	
28.04	
28.1	
28.28	
28.48	23.898
28.68	
28.88	
29.08	
29.28	
29.48	23.899
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	23.9
30.68	
30.88	
31.08	
31.28	
31.48	23.901
31.68	
31.88	
32.	
32.02	
32.04	
32.1	
32.28	23.902
32.48	
32.68	
32.88	23.903
33.08	
33.28	
33.48	
33.68	23.904
33.88	
34.	
34.02	
34.04	
34.1	
34.28	23.905
34.48	
34.68	

	23.89	
34.88	23.891	23.906
35.08		
35.28		
35.48		23.907
35.68		
35.88		
36.		
36.02		23.908
36.04		
36.1		
36.28		
36.48		
36.68		23.909
36.88		
37.08		
37.28		23.91
37.48		
37.68		
37.88		23.911
38.		
38.02		
38.04		
38.1		
38.28		
38.48		23.912
38.68		
38.88		
39.08		23.913
39.28		
39.48		
39.68		23.914
39.88		
40.		
40.02		
40.04		
40.1		
40.28		23.915
40.48		
40.68		23.916
40.88		
41.08		
41.28		23.917
41.48		
41.68		23.918
41.88		
42.		
42.02		
42.04		
42.1		
42.28		23.919
42.48		
42.68		23.92
42.88		
43.08		23.921
43.28		
43.48		23.922
43.68		
43.872		
44.		23.923
44.02		
44.04		
44.1		
44.28		
44.48		23.924
44.68		

44.88		23.925
45.08		
45.28		23.926
45.48		
45.68		23.927
45.88		
46.		
46.02		
46.04		
46.1		
46.28		23.928
46.48		
46.68		23.929
46.88		
47.08		23.93
47.28		
47.48		23.931
47.68		
47.88		
48.		23.932
48.02		
48.04		
48.1		
48.28		
48.48	23.892	23.933
48.68		
48.88		23.934
49.08		
49.28		23.935
49.48		
49.68		23.936
49.88		
50.		
50.02		23.937
50.04		
50.1		
50.28		
50.48		23.938
50.68		
50.88		23.939
51.08		
51.28		23.94
51.48		
51.68		23.941
51.88		
52.		
52.02		
52.04		
52.1		23.942
52.28		
52.48		23.943
52.68		
52.88		23.944
53.08		
53.28		23.945
53.48		
53.68		23.946
53.877		
54.		
54.02		
54.04		23.947
54.1		
54.28		
54.48		23.948
54.68		
54.88		

55.08		23.949
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135.08		

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183.94		
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185.94		
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186.02		
186.05		
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186.94		
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187.94		
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188.02		
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188.06		
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188.87		
188.94		
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189.05		
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189.84		
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190.01		
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197.34		24.555
197.44		

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197.64		
197.74		24.557
197.84		
197.94		24.558
198.		
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198.02		
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198.06		
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198.18		
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198.46		
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198.66		
198.76		24.562
198.86		
198.96		24.563
199.		
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203.64		
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203.94		
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210.44		24.634
210.54		
210.64		24.635
210.74		24.636
210.84		
210.94		24.637
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211.01		
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211.05		
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211.24		
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211.44		24.641
211.54		
211.64		24.642
211.74		24.643
211.84		
211.94		24.644
212.		24.645
212.01		
212.02		
212.05		
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212.24		
212.34		24.647
212.44		24.648
212.54		

212.64		24.649
212.74		24.65
212.84		24.651
212.94		
213.		24.652
213.01		
213.02		
213.05		
213.14		24.653
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213.34		
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213.54		24.656
213.64		24.657
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213.94		24.659
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214.84		24.666
214.94		24.667
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215.84		24.674
215.94		24.675
216.		
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216.02		
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216.94		24.683
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217.02		
217.05		
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217.44		
217.54		24.688
217.64		24.689

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218.74	23.926	24.699
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218.94		24.701
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219.74		24.708
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220.74		24.717
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222.64		24.736
222.74		24.737

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223.		
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223.44		24.744
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223.64	23.928	24.746
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223.84		24.748
223.94		24.749
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224.64		24.756
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224.84		24.758
224.94		24.759
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225.05		
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225.24		24.762
225.34		24.763
225.44		24.764
225.54		24.765
225.64		24.766
225.74		24.768
225.84	23.929	24.769
225.94		24.77
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226.05		
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226.44		24.775
226.54		24.776
226.64		24.777
226.74		24.778
226.84		24.78
226.94		24.781
227.		
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227.64		24.789
227.74		24.79
227.84		24.791

227.94		24.792
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232.94		24.857

233.		
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233.84		24.87
233.94		24.871
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237.84		24.933
237.94		24.934
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238.94		24.952
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247.		25.106
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247.94		25.126
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248.02		

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249.84		25.167
249.94		25.169
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253.		25.238
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253.05		25.239

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253.64		25.252
253.74	23.949	25.255
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254.54		25.273
254.64		25.275
254.74		25.278
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255.02		
255.05		25.285
255.14		25.287
255.24		25.289
255.34		25.292
255.44		25.294
255.54		25.296
255.64		25.299
255.74		25.301
255.84	23.951	25.304
255.94		25.306
256.		25.307
256.01		25.308
256.02		
256.05		
256.14		25.311
256.24		25.313
256.34		25.315
256.44		25.318
256.54		25.32
256.64		25.322
256.74		25.325
256.84	23.952	25.327
256.94		25.33
257.		25.331
257.01		
257.02		25.332
257.05		
257.14		25.334
257.24		25.337
257.34		25.339
257.44		25.342
257.54		25.344
257.64		25.346
257.74		25.349
257.84	23.953	25.351
257.94		25.354
258.		25.355
258.01		
258.02		25.356
258.05		
258.14		25.358

258.24		25.361
258.34		25.363
258.44		25.366
258.54		25.368
258.64		25.371
258.74		25.373
258.84	23.954	25.375
258.94		25.378
259.		25.379
259.01		25.38
259.02		
259.05		25.381
259.14		25.383
259.24		25.385
259.34		25.388
259.44		25.39
259.54		25.393
259.64		25.395
259.74		25.398
259.84	23.955	25.4
259.94		25.403
260.		25.404
260.01		
260.02		25.405
260.05		
260.14		25.408
260.24		25.41
260.34		25.413
260.44		25.415
260.54		25.418
260.64		25.42
260.74		25.423
260.84	23.956	25.425
260.94		25.428
261.		25.429
261.01		
261.02		25.43
261.05		
261.14		25.433
261.24		25.435
261.34		25.438
261.44		25.44
261.54		25.443
261.64		25.446
261.74	23.957	25.448
261.84		25.451
261.94		25.453
262.		25.455
262.01		
262.02		
262.05		25.456
262.14		25.458
262.24		25.461
262.34		25.464
262.44		25.466
262.54		25.469
262.64		25.471
262.74	23.958	25.474
262.84		25.477
262.94		25.479
263.		25.481
263.01		
263.02		
263.05		25.482
263.14		25.484
263.24		25.487

263.34		25.49
263.44		25.492
263.54		25.495
263.64	23.959	25.498
263.74		25.5
263.84		25.503
263.94		25.505
264.		25.507
264.01		
264.02		25.508
264.05		
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264.24		25.513
264.34		25.516
264.44		25.519
264.54	23.96	25.521
264.64		25.524
264.74		25.527
264.84		25.529
264.94		25.532
265.		25.534
265.01		
265.02		
265.05		25.535
265.14		25.537
265.24		25.54
265.34		25.543
265.44	23.961	25.545
265.54		25.548
265.64		25.551
265.74		25.553
265.84		25.556
265.94		25.559
266.		25.56
266.01		25.561
266.02		
266.05		25.562
266.14		25.564
266.24		25.567
266.34	23.962	25.57
266.44		25.572
266.54		25.575
266.64		25.578
266.74		25.581
266.84		25.583
266.94		25.586
267.		25.588
267.01		
267.02		
267.05		25.589
267.14	23.963	25.591
267.24		25.594
267.34		25.597
267.44		25.6
267.54		25.602
267.64		25.605
267.74		25.608
267.84		25.611
267.94		25.613
268.		25.615
268.01	23.964	
268.02		25.616
268.05		
268.14		25.619
268.24		25.622
268.34		25.624

268.44		25.627
268.54		25.63
268.64		25.633
268.74		25.636
268.84		25.638
268.94	23.965	25.641
269.		25.643
269.01		
269.02		
269.05		25.644
269.14		25.647
269.24		25.65
269.34		25.652
269.44		25.655
269.54		25.658
269.64		25.661
269.74	23.966	25.664
269.84		25.667
269.94		25.669
270.		25.671
270.01		
270.02		25.672
270.05		25.673
270.14		25.675
270.24		25.678
270.34		25.681
270.44		25.684
270.54		25.687
270.64	23.967	25.69
270.74		25.692
270.84		25.695
270.94		25.698
271.		25.7
271.01		
271.02		25.701
271.05		
271.14		25.704
271.24		25.707
271.34		25.71
271.44	23.968	25.713
271.54		25.716
271.64		25.719
271.74		25.722
271.84		25.724
271.94		25.727
272.		25.729
272.01		
272.02		25.73
272.05		25.731
272.14		25.733
272.24	23.969	25.736
272.34		25.739
272.44		25.742
272.54		25.745
272.64		25.748
272.74		25.751
272.84		25.754
272.94		25.757
273.	23.97	25.759
273.01		
273.02		
273.05		25.76
273.14		25.763
273.24		25.766
273.34		25.769
273.44		25.772

273.54		25.775
273.64		25.778
273.74		25.781
273.84	23.971	25.784
273.94		25.787
274.		25.789
274.01		
274.02		
274.05		25.79
274.14		25.793
274.24		25.796
274.34		25.799
274.44		25.802
274.54		25.805
274.64	23.972	25.808
274.74		25.811
274.84		25.814
274.94		25.817
275.		25.819
275.01		25.82
275.02		
275.05		25.821
275.14		25.824
275.24		25.827
275.34		25.83
275.44	23.973	25.833
275.54		25.836
275.64		25.839
275.74		25.842
275.84		25.845
275.94		25.849
276.		25.85
276.01		25.851
276.02		
276.05		25.852
276.14	23.974	25.855
276.24		25.858
276.34		25.861
276.44		25.864
276.54		25.867
276.64		25.871
276.74		25.874
276.84		25.877
276.94	23.975	25.88
277.		25.882
277.01		
277.02		25.883
277.05		25.884
277.14		25.886
277.24		25.89
277.34		25.893
277.44		25.896
277.54		25.899
277.64	23.976	25.902
277.74		25.906
277.84		25.909
277.94		25.912
278.		25.914
278.01		
278.02		25.915
278.05		25.916
278.14		25.918
278.24		25.922
278.34		25.925
278.44		25.928
278.54		25.931

278.64	23.977	25.935
278.74		25.938
278.84		25.941
278.94		25.944
279.		25.946
279.01		25.947
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279.14	23.978	25.951
279.24		25.954
279.34		25.958
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279.54		25.964
279.64		25.968
279.74		25.971
279.84	23.979	25.974
279.94		25.978
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280.64		26.002
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281.02		
281.05		26.016
281.14		26.02
281.24	23.981	26.023
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281.54		26.034
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282.01		26.052
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282.05		26.053
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282.24		26.06
282.34		26.064
282.44		26.068
282.54	23.983	26.072
282.64		26.076
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282.84		26.084
282.94		26.088
283.		26.09
283.01		
283.02		26.091
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283.14	23.984	26.096
283.24		26.1
283.34		26.104
283.44		26.108
283.54		26.112
283.64		26.116

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283.84	23.985	26.124
283.94		26.128
284.		26.131
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284.02		26.132
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284.14		26.137
284.24		26.141
284.34	23.986	26.145
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284.54		26.154
284.64		26.159
284.74		26.163
284.84		26.167
284.94	23.987	26.172
285.		26.175
285.01		
285.02		
285.05		26.177
285.14		26.181
285.24		26.185
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285.44		26.195
285.54	23.988	26.199
285.64		26.204
285.74		26.209
285.84		26.213
285.94		26.218
286.	23.989	26.221
286.01		
286.02		26.222
286.05		26.223
286.14		26.228
286.24		26.232
286.34		26.237
286.44		26.242
286.54	23.99	26.247
286.64		26.252
286.74		26.257
286.84		26.262
286.94		26.267
287.		26.27
287.01		26.271
287.02		
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287.14		26.277
287.24		26.282
287.34		26.288
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287.54	23.992	26.298
287.64		26.303
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287.84		26.314
287.94		26.319
288.	23.993	26.322
288.01		26.323
288.02		26.324
288.05		26.325
288.14		26.33
288.24		26.335
288.34		26.341
288.44		26.346
288.54	23.994	26.352
288.64		26.358
288.74		26.363

288.84		26.369
288.94	23.995	26.375
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289.01		26.379
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289.24		26.392
289.34		26.398
289.44	23.996	26.403
289.54		26.409
289.64		26.415
289.74		26.421
289.84	23.997	26.427
289.94		26.433
290.		26.436
290.01		26.437
290.02		26.438
290.05		26.44
290.14		26.445
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290.54		26.469
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291.		26.498
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291.74		26.546
291.84		26.553
291.94	24.002	26.559
292.		26.563
292.01		26.564
292.02		26.565
292.05		26.567
292.14		26.573
292.24		26.58
292.34	24.003	26.586
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292.64	24.004	26.607
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292.84		26.621
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293.	24.005	26.633
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293.14		26.643
293.24		26.65
293.34		26.657
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293.64		26.679
293.74		26.686
293.84		26.694

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294.14	24.008	26.716
294.24		26.724
294.34		26.732
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294.54		26.747
294.64		26.755
294.74	24.01	26.763
294.84		26.771
294.94		26.779
295.		26.784
295.01		26.785
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295.05		26.788
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295.24		26.803
295.34		26.811
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295.54		26.828
295.64		26.836
295.74	24.013	26.844
295.84		26.853
295.94		26.861
296.		26.866
296.01		26.867
296.02	24.014	26.868
296.05		26.871
296.14		26.878
296.24		26.887
296.34	24.015	26.895
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296.54		26.913
296.64	24.016	26.922
296.74		26.931
296.84		26.94
296.94	24.017	26.949
297.		26.954
297.01		26.955
297.02		26.956
297.05		26.959
297.14		26.967
297.24	24.018	26.976
297.34		26.985
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297.54	24.019	27.004
297.64		27.013
297.74		27.022
297.84	24.02	27.032
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298.84		27.13
298.94		27.14

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299.02		27.149
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299.84		27.234
299.94	24.028	27.245
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300.01		27.253
300.02		27.254
300.05		27.257
300.14	24.029	27.267
300.24		27.278
300.34		27.289
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300.74		27.333
300.84		27.344
300.94	24.032	27.356
301.		27.363
301.01		27.364
301.02		27.365
301.05		27.368
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301.94		27.473
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302.02		27.483
302.05		27.487
302.14		27.497
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302.34		27.522
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302.54		27.547
302.64	24.04	27.56
302.74		27.572
302.84		27.585
302.94	24.041	27.598
303.		27.606
303.01		27.607
303.02		27.608
303.05		27.612
303.14	24.042	27.624
303.24		27.637
303.34	24.043	27.65
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303.74	24.045	27.704
303.84		27.717
303.94		27.731
304.		27.739

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304.14	24.047	27.758
304.24		27.772
304.34	24.048	27.786
304.44		27.8
304.54	24.049	27.814
304.64	24.05	27.828
304.74		27.843
304.84	24.051	27.857
304.94		27.871
305.		27.88
305.01	24.052	27.881
305.02		27.883
305.05		27.887
305.14		27.9
305.24	24.053	27.915
305.34		27.93
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305.54		27.959
305.64	24.055	27.974
305.74	24.056	27.989
305.84		28.004
305.94	24.057	28.02
306.		28.029
306.01		28.03
306.02		28.032
306.05		28.036
306.14	24.058	28.05
306.24		28.066
306.34	24.059	28.081
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306.54		28.113
306.64	24.061	28.129
306.74		28.145
306.84	24.062	28.161
306.94		28.177
307.	24.063	28.187
307.01		28.188
307.02		28.19
307.05		28.195
307.14	24.064	28.209
307.24		28.226
307.34	24.065	28.242
307.44	24.066	28.259
307.54		28.276
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307.74		28.309
307.84	24.068	28.326
307.94	24.069	28.343
308.		28.354
308.01		28.355
308.02		28.357
308.05		28.362
308.14	24.07	28.378
308.24	24.071	28.395
308.34		28.412
308.44	24.072	28.43
308.54	24.073	28.447
308.64		28.465
308.74	24.074	28.482
308.84		28.5
308.94	24.075	28.518
309.		28.529
309.01		28.53

309.02	24.076	28.532
309.05		28.538
309.14		28.554
309.24	24.077	28.572
309.34	24.078	28.59
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309.54		28.626
309.64	24.08	28.645
309.74	24.081	28.663
309.84		28.682
309.94	24.082	28.7
310.		28.712
310.01		28.714
310.02	24.083	28.715
310.05		28.721
310.14		28.738
310.24	24.084	28.757
310.34	24.085	28.776
310.44		28.795
310.54	24.086	28.814
310.64	24.087	28.833
310.74	24.088	28.852
310.84		28.871
310.94	24.089	28.891
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311.01	24.09	28.905
311.02		28.907
311.05		28.912
311.14	24.091	28.93
311.24		28.95
311.34	24.092	28.969
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311.54		29.009
311.64	24.094	29.029
311.74	24.095	29.049
311.84	24.096	29.07
311.94		29.09
312.	24.097	29.102
312.01		29.104
312.02		29.106
312.05		29.112
312.14	24.098	29.131
312.24	24.099	29.151
312.34	24.1	29.172
312.44		29.192
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312.74	24.103	29.255
312.84		29.276
312.94	24.104	29.297
313.	24.105	29.31
313.01		29.312
313.02		29.314
313.05		29.32
313.14	24.106	29.339
313.24	24.107	29.361
313.34		29.382
313.44	24.108	29.403
313.54	24.109	29.425
313.64	24.11	29.446
313.74	24.111	29.468
313.84		29.49
313.94	24.112	29.512
314.	24.113	29.525
314.01		29.527
314.02		29.529

314.05		29.536
314.14	24.114	29.555
314.24	24.115	29.577
314.34	24.116	29.6
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314.54	24.117	29.644
314.64	24.118	29.666
314.74	24.119	29.689
314.84	24.12	29.711
314.94	24.121	29.734
315.		29.748
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315.02		29.752
315.05	24.122	29.759
315.14		29.779
315.24	24.123	29.802
315.34	24.124	29.825
315.44	24.125	29.848
315.54	24.126	29.871
315.64	24.127	29.894
315.74		29.917
315.84	24.128	29.94
315.94	24.129	29.964
316.	24.13	29.978
316.01		29.98
316.02		29.982
316.05		29.989
316.14	24.131	30.01
316.24	24.132	30.034
316.34	24.133	30.057
316.44	24.134	30.081
316.54	24.135	30.105
316.64		30.129
316.74	24.136	30.153
316.84	24.137	30.176
316.94	24.138	30.201
317.	24.139	30.215
317.01		30.217
317.02		30.22
317.05		30.227
317.14	24.14	30.249
317.24	24.141	30.273
317.34	24.142	30.298
317.44	24.143	30.322
317.54	24.144	30.346
317.64	24.145	30.371
317.74		30.396
317.84	24.146	30.421
317.94	24.147	30.445
318.	24.148	30.46
318.01		30.463
318.02		30.465
318.05		30.473
318.14	24.149	30.495
318.24	24.15	30.52
318.34	24.151	30.545
318.44	24.152	30.571
318.54	24.153	30.596
318.64	24.154	30.621
318.74	24.155	30.647
318.84	24.156	30.672
318.94	24.157	30.697
319.		30.713
319.01	24.158	30.715
319.02		30.718
319.05		30.726

319.14	24.159	30.749
319.24	24.16	30.774
319.34	24.161	30.8
319.44	24.162	30.826
319.54	24.163	30.852
319.64	24.164	30.878
319.74	24.165	30.904
319.84	24.166	30.93
319.94	24.167	30.956
320.		30.972
320.01		30.974
320.02		30.977
320.05	24.168	30.985
320.14	24.169	31.009
320.24	24.17	31.035
320.34	24.171	31.061
320.44	24.172	31.088
320.54	24.173	31.114
320.64	24.174	31.141
320.74	24.175	31.168
320.84	24.176	31.195
320.94	24.177	31.222
321.		31.238
321.01		31.241
321.02	24.178	31.243
321.05		31.252
321.14	24.179	31.276
321.24	24.18	31.303
321.34	24.181	31.33
321.44	24.182	31.358
321.54	24.183	31.385
321.64	24.184	31.412
321.74	24.185	31.44
321.84	24.186	31.467
321.94	24.187	31.495
322.	24.188	31.512
322.01		31.515
322.02		31.517
322.05		31.526
322.14	24.189	31.551
322.24	24.19	31.578
322.34	24.191	31.606
322.44	24.192	31.634
322.54	24.193	31.662
322.64	24.195	31.69
322.74	24.196	31.719
322.84	24.197	31.747
322.94	24.198	31.775
323.		31.792
323.01	24.199	31.795
323.02		31.798
323.05		31.806
323.14	24.2	31.832
323.24	24.201	31.86
323.34	24.202	31.889
323.44	24.203	31.917
323.54	24.204	31.946
323.64	24.205	31.975
323.74	24.206	32.003
323.84	24.208	32.032
323.94	24.209	32.061
324.		32.078
324.01		32.081
324.02	24.21	32.084
324.05		32.093
324.14	24.211	32.119

324.24	24.212	32.148
324.34	24.213	32.177
324.44	24.214	32.206
324.54	24.215	32.236
324.64	24.216	32.265
324.74	24.218	32.294
324.84	24.219	32.324
324.94	24.22	32.353
325.	24.221	32.371
325.01		32.374
325.02		32.377
325.05		32.386
325.14	24.222	32.413
325.24	24.223	32.442
325.34	24.224	32.472
325.44	24.226	32.502
325.54	24.227	32.532
325.64	24.228	32.562
325.74	24.229	32.592
325.84	24.23	32.622
325.94	24.231	32.652
326.	24.232	32.671
326.01		32.674
326.02		32.677
326.05	24.233	32.686
326.14	24.234	32.713
326.24	24.235	32.743
326.34	24.236	32.774
326.44	24.237	32.804
326.54	24.238	32.835
326.64	24.24	32.865
326.74	24.241	32.896
326.84	24.242	32.927
326.94	24.243	32.957
327.	24.244	32.976
327.01		32.979
327.02		32.982
327.05		32.991
327.14	24.245	33.019
327.24	24.247	33.05
327.34	24.248	33.08
327.44	24.249	33.111
327.54	24.25	33.142
327.64	24.251	33.173
327.74	24.253	33.204
327.84	24.254	33.235
327.94	24.255	33.266
328.	24.256	33.285
328.01		33.288
328.02		33.291
328.05		33.301
328.14	24.257	33.329
328.24	24.259	33.36
328.34	24.26	33.391
328.44	24.261	33.423
328.54	24.262	33.454
328.64	24.263	33.486
328.74	24.265	33.517
328.84	24.266	33.548
328.94	24.267	33.58
329.	24.268	33.599
329.01		33.602
329.02		33.605
329.05		33.615
329.14	24.27	33.643
329.24	24.271	33.675

329.34	24.272	33.707
329.44	24.273	33.738
329.54	24.275	33.77
329.64	24.276	33.802
329.74	24.277	33.834
329.84	24.278	33.866
329.94	24.279	33.898
330.	24.28	33.917
330.01		33.92
330.02		33.923
330.05	24.281	33.933
330.14	24.282	33.962
330.24	24.283	33.994
330.34	24.284	34.026
330.44	24.286	34.058
330.54	24.287	34.09
330.64	24.288	34.122
330.74	24.289	34.154
330.84	24.291	34.187
330.94	24.292	34.219
331.	24.293	34.238
331.01		34.242
331.02		34.245
331.05		34.255
331.14	24.295	34.284
331.24	24.296	34.316
331.34	24.297	34.348
331.44	24.298	34.381
331.54	24.3	34.413
331.64	24.301	34.446
331.74	24.302	34.478
331.84	24.303	34.511
331.94	24.305	34.543
332.		34.563
332.01	24.306	34.566
332.02		34.569
332.05		34.579
332.14	24.307	34.609
332.24	24.309	34.641
332.34	24.31	34.674
332.44	24.311	34.707
332.54	24.312	34.739
332.64	24.314	34.772
332.74	24.315	34.805
332.84	24.316	34.838
332.94	24.318	34.871
333.		34.891
333.01		34.894
333.02	24.319	34.897
333.05		34.907
333.14	24.32	34.937
333.24	24.321	34.97
333.34	24.323	35.003
333.44	24.324	35.036
333.54	24.325	35.069
333.64	24.327	35.102
333.74	24.328	35.135
333.84	24.329	35.168
333.94	24.331	35.202
334.		35.222
334.01	24.332	35.225
334.02		35.228
334.05		35.238
334.14	24.333	35.268
334.24	24.335	35.302
334.34	24.336	35.335

334.44	24.337	35.368
334.54	24.338	35.402
334.64	24.34	35.435
334.74	24.341	35.469
334.84	24.342	35.502
334.94	24.344	35.536
335.	24.345	35.556
335.01		35.56
335.02		35.563
335.05		35.573
335.14	24.346	35.603
335.24	24.348	35.637
335.34	24.349	35.671
335.44	24.35	35.705
335.54	24.352	35.738
335.64	24.353	35.772
335.74	24.354	35.806
335.84	24.356	35.84
335.94	24.357	35.874
336.	24.358	35.894
336.01		35.898
336.02		35.901
336.05	24.359	35.911
336.14	24.36	35.942
336.24	24.361	35.976
336.34	24.363	36.01
336.44	24.364	36.044
336.54	24.365	36.078
336.64	24.367	36.112
336.74	24.368	36.146
336.84	24.369	36.181
336.94	24.371	36.215
337.	24.372	36.235
337.01		36.239
337.02		36.242
337.05		36.253
337.14	24.373	36.283
337.24	24.375	36.318
337.34	24.376	36.352
337.44	24.378	36.387
337.54	24.379	36.421
337.64	24.38	36.456
337.74	24.382	36.49
337.84	24.383	36.525
337.94	24.384	36.559
338.	24.385	36.58
338.01		36.583
338.02	24.386	36.587
338.05		36.597
338.14	24.387	36.628
338.24	24.389	36.663
338.34	24.39	36.698
338.44	24.391	36.732
338.54	24.393	36.767
338.64	24.394	36.802
338.74	24.396	36.836
338.84	24.397	36.871
338.94	24.398	36.906
339.	24.399	36.927
339.01		36.93
339.02		36.934
339.05	24.4	36.944
339.14	24.401	36.976
339.24	24.402	37.011
339.34	24.404	37.046
339.44	24.405	37.081

339.54	24.407	37.116
339.64	24.408	37.151
339.74	24.409	37.186
339.84	24.411	37.221
339.94	24.412	37.256
340.	24.413	37.277
340.01		37.28
340.02		37.284
340.05	24.414	37.294
340.14	24.415	37.326
340.24	24.417	37.361
340.34	24.418	37.396
340.44	24.419	37.432
340.54	24.421	37.467
340.64	24.422	37.502
340.74	24.424	37.537
340.84	24.425	37.573
340.94	24.426	37.608
341.	24.427	37.629
341.01		37.633
341.02	24.428	37.636
341.05		37.647
341.14	24.429	37.679
341.24	24.431	37.714
341.34	24.432	37.749
341.44	24.434	37.785
341.54	24.435	37.82
341.64	24.436	37.856
341.74	24.438	37.891
341.84	24.439	37.927
341.94	24.441	37.962
342.	24.442	37.983
342.01		37.987
342.02		37.991
342.05		38.001
342.14	24.444	38.033
342.24	24.445	38.069
342.34	24.447	38.104
342.44	24.448	38.14
342.54	24.449	38.175
342.64	24.451	38.211
342.74	24.452	38.247
342.84	24.454	38.282
342.94	24.455	38.318
343.	24.456	38.339
343.01		38.343
343.02		38.346
343.05	24.457	38.357
343.14	24.458	38.389
343.24	24.459	38.425
343.34	24.461	38.46
343.44	24.462	38.496
343.54	24.464	38.532
343.64	24.465	38.568
343.74	24.467	38.603
343.84	24.468	38.639
343.94	24.47	38.675
344.	24.471	38.697
344.01		38.7
344.02		38.704
344.05		38.715
344.14	24.473	38.747
344.24	24.474	38.783
344.34	24.476	38.819
344.44	24.477	38.854
344.54	24.478	38.89

344.64	24.48	38.926
344.74	24.481	38.962
344.84	24.483	38.998
344.94	24.484	39.034
345.	24.485	39.056
345.01		39.06
345.02		39.063
345.05	24.486	39.074
345.14	24.487	39.106
345.24	24.489	39.142
345.34	24.49	39.179
345.44	24.492	39.215
345.54	24.493	39.251
345.64	24.495	39.287
345.74	24.496	39.323
345.84	24.498	39.359
345.94	24.499	39.395
346.	24.5	39.417
346.01		39.421
346.02		39.424
346.05	24.501	39.435
346.14	24.502	39.468
346.24	24.503	39.504
346.34	24.505	39.54
346.44	24.506	39.576
346.54	24.508	39.613
346.64	24.509	39.649
346.74	24.511	39.685
346.84	24.512	39.721
346.94	24.514	39.758
347.	24.515	39.78
347.01		39.783
347.02		39.787
347.05	24.516	39.798
347.14	24.517	39.83
347.24	24.518	39.867
347.34	24.52	39.903
347.44	24.521	39.94
347.54	24.523	39.976
347.64	24.524	40.012
347.74	24.526	40.049
347.84	24.527	40.085
347.94	24.529	40.122
348.	24.53	40.144
348.01		40.147
348.02		40.151
348.05	24.531	40.162
348.14	24.532	40.195
348.24	24.533	40.231
348.34	24.535	40.268
348.44	24.536	40.304
348.54	24.538	40.341
348.64	24.539	40.377
348.74	24.541	40.414
348.84	24.542	40.45
348.94	24.544	40.487
349.	24.545	40.509
349.01		40.512
349.02		40.516
349.05	24.546	40.527
349.14	24.547	40.56
349.24	24.548	40.596
349.34	24.55	40.633
349.44	24.552	40.67
349.54	24.553	40.706
349.64	24.555	40.743

349.74	24.556	40.78
349.84	24.558	40.816
349.94	24.559	40.853
350.	24.56	40.875
350.01		40.879
350.02		40.883
350.05	24.561	40.894
350.14	24.562	40.927
350.24	24.564	40.963
350.34	24.565	41.
350.44	24.567	41.037
350.54	24.568	41.074
350.64	24.57	41.11
350.74	24.571	41.147
350.84	24.573	41.184
350.94	24.574	41.221
351.	24.575	41.243
351.01		41.247
351.02	24.576	41.25
351.05		41.261
351.14	24.577	41.295
351.24	24.579	41.331
351.34	24.58	41.368
351.44	24.582	41.405
351.54	24.584	41.442
351.64	24.585	41.479
351.74	24.587	41.516
351.84	24.588	41.553
351.94	24.59	41.589
352.	24.591	41.612
352.01		41.615
352.02		41.619
352.05		41.63
352.14	24.593	41.663
352.24	24.594	41.7
352.34	24.596	41.737
352.44	24.597	41.774
352.54	24.599	41.811
352.64	24.601	41.848
352.74	24.602	41.885
352.84	24.604	41.922
352.94	24.605	41.959
353.	24.606	41.981
353.01		41.984
353.02		41.988
353.05	24.607	41.999
353.14	24.608	42.033
353.24	24.61	42.069
353.34	24.611	42.106
353.44	24.613	42.143
353.54	24.614	42.18
353.64	24.616	42.217
353.74	24.618	42.254
353.84	24.619	42.291
353.94	24.621	42.328
354.	24.622	42.35
354.01		42.354
354.02		42.358
354.05		42.369
354.14	24.624	42.402
354.24	24.625	42.439
354.34	24.627	42.476
354.44	24.628	42.513
354.54	24.63	42.55
354.64	24.632	42.587
354.74	24.633	42.624

354.84	24.635	42.661
354.94	24.636	42.698
355.	24.637	42.72
355.01		42.723
355.02		42.727
355.05	24.638	42.738
355.14	24.639	42.772
355.24	24.641	42.809
355.34	24.642	42.846
355.44	24.644	42.883
355.54	24.646	42.92
355.64	24.647	42.957
355.74	24.649	42.994
355.84	24.65	43.031
355.94	24.652	43.068
356.	24.653	43.09
356.01		43.094
356.02		43.097
356.05	24.654	43.108
356.14	24.655	43.142
356.24	24.657	43.179
356.34	24.658	43.216
356.44	24.66	43.253
356.54	24.661	43.29
356.64	24.663	43.327
356.74	24.664	43.364
356.84	24.666	43.401
356.94	24.668	43.438
357.		43.46
357.01	24.669	43.464
357.02		43.467
357.05		43.478
357.14	24.671	43.512
357.24	24.672	43.549
357.34	24.674	43.586
357.44	24.675	43.623
357.54	24.677	43.66
357.64	24.679	43.697
357.74	24.68	43.734
357.84	24.682	43.771
357.94	24.683	43.808
358.	24.684	43.83
358.01		43.834
358.02	24.685	43.837
358.05		43.849
358.14	24.686	43.882
358.24	24.688	43.919
358.34	24.69	43.956
358.44	24.691	43.993
358.54	24.693	44.03
358.64	24.694	44.067
358.74	24.696	44.104
358.84	24.697	44.142
358.94	24.699	44.179
359.	24.7	44.201
359.01		44.205
359.02		44.208
359.05	24.701	44.22
359.14	24.702	44.253
359.24	24.704	44.29
359.34	24.705	44.327
359.44	24.707	44.364
359.54	24.709	44.402
359.64	24.71	44.439
359.74	24.712	44.476
359.84	24.713	44.513

359.94	24.715	44.55
360.	24.716	44.572
360.01		44.576
360.02		44.58
360.05	24.717	44.591
360.14	24.718	44.624
360.24	24.72	44.661
360.34	24.721	44.699
360.44	24.723	44.736
360.54	24.724	44.773
360.64	24.726	44.81
360.74	24.728	44.847
360.84	24.729	44.885
360.94	24.731	44.922
361.	24.732	44.944
361.01		44.948
361.02		44.952
361.05	24.733	44.963
361.14	24.734	44.996
361.24	24.736	45.033
361.34	24.737	45.071
361.44	24.739	45.108
361.54	24.74	45.145
361.64	24.742	45.182
361.74	24.744	45.22
361.84	24.745	45.257
361.94	24.747	45.294
362.	24.748	45.316
362.01		45.32
362.02		45.324
362.05	24.749	45.335
362.14	24.75	45.369
362.24	24.752	45.406
362.34	24.753	45.443
362.44	24.755	45.48
362.54	24.757	45.518
362.64	24.758	45.555
362.74	24.76	45.592
362.84	24.761	45.63
362.94	24.763	45.667
363.	24.764	45.689
363.01		45.693
363.02		45.697
363.05	24.765	45.708
363.14	24.766	45.741
363.24	24.768	45.779
363.34	24.769	45.816
363.44	24.771	45.853
363.54	24.773	45.89
363.64	24.774	45.928
363.74	24.776	45.965
363.84	24.777	46.002
363.94	24.779	46.04
364.	24.78	46.062
364.01		46.066
364.02		46.069
364.05	24.781	46.081
364.14	24.782	46.114
364.24	24.784	46.152
364.34	24.786	46.189
364.44	24.787	46.226
364.54	24.789	46.263
364.64	24.79	46.301
364.74	24.792	46.338
364.84	24.794	46.375
364.94	24.795	46.413

365.	24.796	46.435
365.01		46.439
365.02	24.797	46.443
365.05		46.454
365.14	24.799	46.487
365.24	24.8	46.525
365.34	24.802	46.562
365.44	24.803	46.599
365.54	24.805	46.637
365.64	24.807	46.674
365.74	24.808	46.711
365.84	24.81	46.749
365.94	24.812	46.786
366.		46.808
366.01	24.813	46.812
366.02		46.816
366.05		46.827
366.14	24.815	46.861
366.24	24.816	46.898
366.34	24.818	46.935
366.44	24.82	46.973
366.54	24.821	47.01
366.64	24.823	47.047
366.74	24.825	47.085
366.84	24.826	47.122
366.94	24.828	47.159
367.	24.829	47.182
367.01		47.186
367.02		47.189
367.05	24.83	47.201
367.14	24.831	47.234
367.24	24.833	47.272
367.34	24.834	47.309
367.44	24.836	47.347
367.54	24.838	47.384
367.64	24.839	47.422
367.74	24.841	47.459
367.84	24.843	47.497
367.94	24.844	47.534
368.	24.845	47.557
368.01		47.561
368.02	24.846	47.564
368.05		47.576
368.14	24.847	47.609
368.24	24.849	47.647
368.34	24.851	47.685
368.44	24.852	47.722
368.54	24.854	47.76
368.64	24.856	47.797
368.74	24.857	47.835
368.84	24.859	47.873
368.94	24.861	47.91
369.	24.862	47.933
369.01		47.937
369.02		47.94
369.05	24.863	47.952
369.14	24.864	47.986
369.24	24.866	48.023
369.34	24.867	48.061
369.44	24.869	48.098
369.54	24.871	48.136
369.64	24.872	48.174
369.74	24.874	48.212
369.84	24.876	48.249
369.94	24.877	48.287
370.		48.31

370.01	24.878	48.313
370.02	24.879	48.317
370.05		48.328
370.14	24.881	48.362
370.24	24.882	48.4
370.34	24.884	48.438
370.44	24.886	48.475
370.54	24.887	48.513
370.64	24.889	48.551
370.74	24.891	48.589
370.84	24.892	48.626
370.94	24.894	48.664
371.	24.895	48.687
371.01		48.69
371.02		48.694
371.05	24.896	48.705
371.14	24.897	48.739
371.24	24.899	48.777
371.34	24.901	48.815
371.44	24.902	48.853
371.54	24.904	48.89
371.64	24.906	48.928
371.74	24.907	48.966
371.84	24.909	49.003
371.94	24.911	49.041
372.	24.912	49.064
372.01		49.068
372.02		49.071
372.05		49.083
372.14	24.914	49.117
372.24	24.916	49.154
372.34	24.917	49.192
372.44	24.919	49.23
372.54	24.921	49.267
372.64	24.922	49.305
372.74	24.924	49.343
372.84	24.926	49.38
372.94	24.927	49.418
373.	24.928	49.441
373.01		49.444
373.02	24.929	49.448
373.05		49.459
373.14	24.931	49.493
373.24	24.932	49.531
373.34	24.934	49.569
373.44	24.936	49.606
373.54	24.937	49.644
373.64	24.939	49.682
373.74	24.941	49.72
373.84	24.942	49.757
373.94	24.944	49.795
374.	24.945	49.818
374.01		49.821
374.02		49.825
374.05	24.946	49.836
374.14	24.947	49.87
374.24	24.949	49.908
374.34	24.951	49.946
374.44	24.952	49.983
374.54	24.954	50.021
374.64	24.956	50.059
374.74	24.957	50.097
374.84	24.959	50.134
374.94	24.961	50.172
375.	24.962	50.195
375.01		50.198

375.02		50.202
375.05	24.963	50.213
375.14	24.964	50.247
375.24	24.966	50.285
375.34	24.968	50.323
375.44	24.969	50.36
375.54	24.971	50.398
375.64	24.973	50.436
375.74	24.974	50.474
375.84	24.976	50.511
375.94	24.978	50.549
376.		50.572
376.01	24.979	50.575
376.02		50.579
376.05	24.98	50.591
376.14	24.981	50.624
376.24	24.983	50.662
376.34	24.984	50.7
376.44	24.986	50.738
376.54	24.988	50.775
376.64	24.99	50.813
376.74	24.991	50.851
376.84	24.993	50.889
376.94	24.995	50.926
377.		50.949
377.01	24.996	50.953
377.02		50.957
377.05		50.968
377.14	24.998	51.002
377.24	25.	51.04
377.34	25.001	51.077
377.44	25.003	51.115
377.54	25.005	51.153
377.64	25.006	51.191
377.74	25.008	51.228
377.84	25.01	51.266
377.94	25.012	51.304
378.		51.327
378.01	25.013	51.33
378.02		51.334
378.05		51.345
378.14	25.015	51.379
378.24	25.017	51.417
378.34	25.018	51.455
378.44	25.02	51.493
378.54	25.022	51.53
378.64	25.024	51.568
378.74	25.025	51.606
378.84	25.027	51.644
378.94	25.029	51.681
379.		51.704
379.01	25.03	51.708
379.02		51.712
379.05		51.723
379.14	25.032	51.757
379.24	25.034	51.795
379.34	25.035	51.833
379.44	25.037	51.87
379.54	25.039	51.908
379.64	25.041	51.946
379.74	25.042	51.984
379.84	25.044	52.022
379.94	25.046	52.06
380.		52.082
380.01	25.047	52.086
380.02		52.09

380.05	25.048	52.101
380.14	25.049	52.135
380.24	25.051	52.173
380.34	25.053	52.211
380.44	25.054	52.249
380.54	25.056	52.287
380.64	25.058	52.325
380.74	25.059	52.363
380.84	25.061	52.401
380.94	25.063	52.438
381.	25.064	52.461
381.01		52.465
381.02		52.469
381.05	25.065	52.48
381.14	25.066	52.514
381.24	25.068	52.552
381.34	25.07	52.59
381.44	25.071	52.628
381.54	25.073	52.666
381.64	25.075	52.704
381.74	25.077	52.742
381.84	25.078	52.78
381.94	25.08	52.818
382.	25.081	52.841
382.01		52.844
382.02		52.848
382.05	25.082	52.86
382.14	25.084	52.894
382.24	25.085	52.932
382.34	25.087	52.97
382.44	25.089	53.007
382.54	25.09	53.045
382.64	25.092	53.083
382.74	25.094	53.121
382.84	25.096	53.159
382.94	25.097	53.197
383.	25.098	53.22
383.01	25.099	53.224
383.02		53.228
383.05		53.239
383.14	25.101	53.273
383.24	25.103	53.311
383.34	25.104	53.349
383.44	25.106	53.387
383.54	25.108	53.425
383.64	25.109	53.463
383.74	25.111	53.501
383.84	25.113	53.539
383.94	25.115	53.577
384.	25.116	53.6
384.01		53.604
384.02		53.608
384.05	25.117	53.619
384.14	25.118	53.654
384.24	25.12	53.692
384.34	25.122	53.73
384.44	25.123	53.768
384.54	25.125	53.806
384.64	25.127	53.844
384.74	25.129	53.882
384.84	25.13	53.921
384.94	25.132	53.959
385.	25.133	53.982
385.01		53.985
385.02	25.134	53.989
385.05		54.001

385.14	25.136	54.035
385.24	25.137	54.073
385.34	25.139	54.111
385.44	25.141	54.15
385.54	25.143	54.188
385.64	25.144	54.226
385.74	25.146	54.264
385.84	25.148	54.302
385.94	25.15	54.341
386.	25.151	54.364
386.01		54.367
386.02		54.371
386.05	25.152	54.383
386.14	25.153	54.417
386.24	25.155	54.455
386.34	25.157	54.494
386.44	25.158	54.532
386.54	25.16	54.57
386.64	25.162	54.609
386.74	25.164	54.647
386.84	25.165	54.686
386.94	25.167	54.724
387.	25.168	54.747
387.01		54.751
387.02	25.169	54.755
387.05		54.766
387.14	25.171	54.801
387.24	25.172	54.84
387.34	25.174	54.878
387.44	25.176	54.917
387.54	25.178	54.955
387.64	25.18	54.994
387.74	25.181	55.032
387.84	25.183	55.071
387.94	25.185	55.109
388.	25.186	55.132
388.01		55.136
388.02		55.14
388.05	25.187	55.152
388.14	25.188	55.186
388.24	25.19	55.225
388.34	25.192	55.264
388.44	25.194	55.302
388.54	25.196	55.341
388.64	25.197	55.379
388.74	25.199	55.418
388.84	25.201	55.457
388.94	25.203	55.495
389.	25.204	55.518
389.01		55.522
389.02		55.526
389.05	25.205	55.538
389.14	25.206	55.572
389.24	25.208	55.611
389.34	25.21	55.65
389.44	25.212	55.688
389.54	25.213	55.727
389.64	25.215	55.765
389.74	25.217	55.804
389.84	25.219	55.843
389.94	25.22	55.881
390.	25.222	55.905
390.01		55.908
390.02		55.912
390.05		55.924
390.14	25.224	55.959

390.24	25.226	55.997
390.34	25.228	56.036
390.44	25.229	56.075
390.54	25.231	56.114
390.64	25.233	56.152
390.74	25.235	56.191
390.84	25.237	56.23
390.94	25.238	56.269
391.	25.239	56.292
391.01		56.296
391.02	25.24	56.3
391.05		56.311
391.14	25.242	56.346
391.24	25.244	56.385
391.34	25.246	56.424
391.44	25.247	56.463
391.54	25.249	56.501
391.64	25.251	56.54
391.74	25.253	56.579
391.84	25.255	56.618
391.94	25.256	56.657
392.	25.257	56.68
392.01		56.684
392.02	25.258	56.688
392.05		56.7
392.14	25.26	56.734
392.24	25.262	56.773
392.34	25.264	56.812
392.44	25.265	56.851
392.54	25.267	56.89
392.64	25.269	56.929
392.74	25.271	56.967
392.84	25.273	57.006
392.94	25.274	57.045
393.	25.275	57.069
393.01		57.072
393.02	25.276	57.076
393.05		57.088
393.14	25.278	57.123
393.24	25.28	57.162
393.34	25.282	57.201
393.44	25.283	57.239
393.54	25.285	57.278
393.64	25.287	57.317
393.74	25.289	57.356
393.84	25.291	57.395
393.94	25.293	57.434
394.		57.457
394.01	25.294	57.461
394.02		57.465
394.05	25.295	57.476
394.14	25.296	57.511
394.24	25.298	57.55
394.34	25.3	57.589
394.44	25.302	57.628
394.54	25.303	57.667
394.64	25.305	57.706
394.74	25.307	57.744
394.84	25.309	57.783
394.94	25.311	57.822
395.		57.845
395.01	25.312	57.849
395.02		57.853
395.05	25.313	57.865
395.14	25.314	57.9
395.24	25.316	57.939

395.34	25.318	57.978
395.44	25.32	58.016
395.54	25.322	58.055
395.64	25.323	58.094
395.74	25.325	58.133
395.84	25.327	58.172
395.94	25.329	58.211
396.	25.33	58.234
396.01		58.238
396.02		58.242
396.05	25.331	58.253
396.14	25.333	58.288
396.24	25.334	58.327
396.34	25.336	58.366
396.44	25.338	58.405
396.54	25.34	58.444
396.64	25.342	58.483
396.74	25.343	58.521
396.84	25.345	58.56
396.94	25.347	58.599
397.	25.348	58.622
397.01		58.626
397.02	25.349	58.63
397.05		58.642
397.14	25.351	58.677
397.24	25.353	58.716
397.34	25.354	58.754
397.44	25.356	58.793
397.54	25.358	58.832
397.64	25.36	58.871
397.74	25.362	58.91
397.84	25.364	58.948
397.94	25.365	58.987
398.	25.366	59.011
398.01	25.367	59.015
398.02		59.018
398.05		59.03
398.14	25.369	59.065
398.24	25.371	59.104
398.34	25.373	59.143
398.44	25.375	59.181
398.54	25.376	59.22
398.64	25.378	59.259
398.74	25.38	59.298
398.84	25.382	59.337
398.94	25.384	59.376
399.	25.385	59.399
399.01		59.403
399.02		59.407
399.05	25.386	59.418
399.14	25.387	59.453
399.24	25.389	59.492
399.34	25.391	59.531
399.44	25.393	59.57
399.54	25.395	59.608
399.64	25.397	59.647
399.74	25.398	59.686
399.84	25.4	59.725
399.94	25.402	59.764
400.	25.403	59.787
400.01		59.791
400.02	25.404	59.795
400.05		59.806
400.14	25.406	59.841
400.24	25.408	59.88
400.34	25.409	59.919

400.44	25.411	59.958
400.54	25.413	59.996
400.64	25.415	60.035
400.74	25.417	60.074
400.84	25.419	60.113
400.94	25.42	60.151
401.	25.422	60.175
401.01		60.179
401.02		60.182
401.05	25.423	60.194
401.14	25.424	60.229
401.24	25.426	60.268
401.34	25.428	60.306
401.44	25.43	60.345
401.54	25.432	60.384
401.64	25.433	60.423
401.74	25.435	60.461
401.84	25.437	60.5
401.94	25.439	60.539
402.	25.44	60.562
402.01		60.566
402.02		60.57
402.05	25.441	60.581
402.14	25.443	60.616
402.24	25.444	60.655
402.34	25.446	60.694
402.44	25.448	60.732
402.54	25.45	60.771
402.64	25.452	60.81
402.74	25.454	60.848
402.84	25.456	60.887
402.94	25.457	60.926
403.	25.459	60.949
403.01		60.953
403.02		60.957
403.05		60.968
403.14	25.461	61.003
403.24	25.463	61.042
403.34	25.465	61.081
403.44	25.467	61.119
403.54	25.469	61.158
403.64	25.47	61.197
403.74	25.472	61.235
403.84	25.474	61.274
403.94	25.476	61.313
404.	25.477	61.336
404.01		61.34
404.02		61.343
404.05	25.478	61.355
404.14	25.48	61.39
404.24	25.481	61.429
404.34	25.483	61.467
404.44	25.485	61.506
404.54	25.487	61.544
404.64	25.489	61.583
404.74	25.491	61.622
404.84	25.493	61.66
404.94	25.494	61.699
405.	25.496	61.722
405.01		61.726
405.02		61.73
405.05		61.741
405.14	25.498	61.776
405.24	25.5	61.815
405.34	25.502	61.853
405.44	25.504	61.892

405.54	25.506	61.931
405.64	25.507	61.969
405.74	25.509	62.008
405.84	25.511	62.046
405.94	25.513	62.085
406.	25.514	62.108
406.01		62.112
406.02	25.515	62.116
406.05		62.127
406.14	25.517	62.162
406.24	25.519	62.201
406.34	25.52	62.239
406.44	25.522	62.278
406.54	25.524	62.316
406.64	25.526	62.355
406.74	25.528	62.394
406.84	25.53	62.432
406.94	25.532	62.471
407.	25.533	62.494
407.01		62.498
407.02		62.501
407.05	25.534	62.513
407.14	25.535	62.548
407.24	25.537	62.586
407.34	25.539	62.625
407.44	25.541	62.663
407.54	25.543	62.702
407.64	25.545	62.74
407.74	25.547	62.779
407.84	25.548	62.817
407.94	25.55	62.856
408.	25.551	62.879
408.01	25.552	62.883
408.02		62.887
408.05		62.898
408.14	25.554	62.933
408.24	25.556	62.971
408.34	25.558	63.01
408.44	25.56	63.048
408.54	25.561	63.087
408.64	25.563	63.125
408.74	25.565	63.163
408.84	25.567	63.202
408.94	25.569	63.24
409.	25.57	63.263
409.01		63.267
409.02		63.271
409.05	25.571	63.283
409.14	25.573	63.317
409.24	25.575	63.355
409.34	25.576	63.394
409.44	25.578	63.432
409.54	25.58	63.471
409.64	25.582	63.509
409.74	25.584	63.547
409.84	25.586	63.586
409.94	25.588	63.624
410.	25.589	63.647
410.01		63.651
410.02		63.655
410.05	25.59	63.666
410.14	25.591	63.701
410.24	25.593	63.739
410.34	25.595	63.778
410.44	25.597	63.816
410.54	25.599	63.854

410.64	25.601	63.893
410.74	25.603	63.931
410.84	25.604	63.969
410.94	25.606	64.008
411.	25.607	64.031
411.01	25.608	64.034
411.02		64.038
411.05		64.05
411.14	25.61	64.084
411.24	25.612	64.122
411.34	25.614	64.161
411.44	25.616	64.199
411.54	25.618	64.237
411.64	25.619	64.276
411.74	25.621	64.314
411.84	25.623	64.352
411.94	25.625	64.39
412.	25.626	64.413
412.01		64.417
412.02	25.627	64.421
412.05		64.433
412.14	25.629	64.467
412.24	25.631	64.505
412.34	25.633	64.544
412.44	25.634	64.582
412.54	25.636	64.62
412.64	25.638	64.658
412.74	25.64	64.697
412.84	25.642	64.735
412.94	25.644	64.773
413.	25.645	64.796
413.01		64.8
413.02		64.804
413.05	25.646	64.815
413.14	25.648	64.85
413.24	25.649	64.888
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413.44	25.653	64.964
413.54	25.655	65.002
413.64	25.657	65.041
413.74	25.659	65.079
413.84	25.661	65.117
413.94	25.663	65.155
414.	25.664	65.178
414.01		65.182
414.02		65.186
414.05	25.665	65.197
414.14	25.666	65.232
414.24	25.668	65.27
414.34	25.67	65.308
414.44	25.672	65.346
414.54	25.674	65.384
414.64	25.676	65.422
414.74	25.678	65.46
414.84	25.68	65.499
414.94	25.681	65.537
415.	25.683	65.559
415.01		65.563
415.02		65.567
415.05		65.579
415.14	25.685	65.613
415.24	25.687	65.651
415.34	25.689	65.689
415.44	25.691	65.727
415.54	25.693	65.765
415.64	25.695	65.803

415.74	25.696	65.841
415.84	25.698	65.879
415.94	25.7	65.917
416.	25.701	65.94
416.01	25.702	65.943
416.02		65.947
416.05		65.959
416.14	25.704	65.993
416.24	25.706	66.031
416.34	25.708	66.069
416.44	25.71	66.107
416.54	25.711	66.144
416.64	25.713	66.182
416.74	25.715	66.22
416.84	25.717	66.258
416.94	25.719	66.296
417.	25.72	66.319
417.01		66.323
417.02	25.721	66.326
417.05		66.338
417.14	25.723	66.372
417.24	25.725	66.41
417.34	25.727	66.447
417.44	25.728	66.485
417.54	25.73	66.523
417.64	25.732	66.561
417.74	25.734	66.599
417.84	25.736	66.637
417.94	25.738	66.675
418.	25.739	66.697
418.01		66.701
418.02		66.705
418.05	25.74	66.716
418.14	25.742	66.75
418.24	25.744	66.788
418.34	25.745	66.826
418.44	25.747	66.864
418.54	25.749	66.901
418.64	25.751	66.939
418.74	25.753	66.977
418.84	25.755	67.015
418.94	25.757	67.053
419.	25.758	67.075
419.01		67.079
419.02		67.083
419.05	25.759	67.094
419.14	25.76	67.128
419.24	25.762	67.166
419.34	25.764	67.204
419.44	25.766	67.242
419.54	25.768	67.279
419.64	25.77	67.317
419.74	25.772	67.355
419.84	25.774	67.392
419.94	25.776	67.43
420.	25.777	67.453
420.01		67.457
420.02		67.46
420.05	25.778	67.472
420.14	25.779	67.505
420.24	25.781	67.543
420.34	25.783	67.581
420.44	25.785	67.618
420.54	25.787	67.656
420.64	25.789	67.694
420.74	25.791	67.731

420.84	25.793	67.769
420.94	25.794	67.807
421.	25.796	67.829
421.01		67.833
421.02		67.837
421.05	25.797	67.848
421.14	25.798	67.882
421.24	25.8	67.919
421.34	25.802	67.957
421.44	25.804	67.994
421.54	25.806	68.032
421.64	25.808	68.07
421.74	25.81	68.107
421.84	25.811	68.145
421.94	25.813	68.182
422.	25.815	68.205
422.01		68.208
422.02		68.212
422.05		68.223
422.14	25.817	68.257
422.24	25.819	68.295
422.34	25.821	68.332
422.44	25.823	68.37
422.54	25.825	68.407
422.64	25.827	68.444
422.74	25.829	68.482
422.84	25.83	68.519
422.94	25.832	68.557
423.	25.833	68.579
423.01	25.834	68.583
423.02		68.587
423.05		68.598
423.14	25.836	68.632
423.24	25.838	68.669
423.34	25.84	68.706
423.44	25.842	68.744
423.54	25.844	68.781
423.64	25.846	68.818
423.74	25.847	68.856
423.84	25.849	68.893
423.94	25.851	68.93
424.	25.852	68.953
424.01	25.853	68.957
424.02		68.96
424.05		68.972
424.14	25.855	69.005
424.24	25.857	69.042
424.34	25.859	69.08
424.44	25.861	69.117
424.54	25.863	69.154
424.64	25.864	69.192
424.74	25.866	69.229
424.84	25.868	69.266
424.94	25.87	69.304
425.	25.871	69.326
425.01		69.33
425.02	25.872	69.333
425.05		69.345
425.14	25.874	69.378
425.24	25.876	69.415
425.34	25.878	69.453
425.44	25.88	69.49
425.54	25.882	69.527
425.64	25.883	69.564
425.74	25.885	69.602
425.84	25.887	69.639

425.94	25.889	69.676
426.	25.89	69.698
426.01		69.702
426.02	25.891	69.706
426.05		69.717
426.14	25.893	69.75
426.24	25.895	69.787
426.34	25.897	69.825
426.44	25.899	69.862
426.54	25.9	69.899
426.64	25.902	69.936
426.74	25.904	69.973
426.84	25.906	70.01
426.94	25.908	70.047
427.	25.909	70.07
427.01		70.073
427.02	25.91	70.077
427.05		70.088
427.14	25.912	70.122
427.24	25.914	70.159
427.34	25.916	70.196
427.44	25.918	70.233
427.54	25.919	70.27
427.64	25.921	70.307
427.74	25.923	70.344
427.84	25.925	70.381
427.94	25.927	70.418
428.	25.928	70.44
428.01		70.444
428.02	25.929	70.447
428.05		70.458
428.14	25.931	70.492
428.24	25.933	70.529
428.34	25.935	70.566
428.44	25.936	70.603
428.54	25.938	70.64
428.64	25.94	70.676
428.74	25.942	70.713
428.84	25.944	70.75
428.94	25.946	70.787
429.	25.947	70.809
429.01		70.813
429.02		70.817
429.05	25.948	70.828
429.14	25.95	70.861
429.24	25.952	70.898
429.34	25.954	70.935
429.44	25.955	70.971
429.54	25.957	71.008
429.64	25.959	71.045
429.74	25.961	71.082
429.84	25.963	71.119
429.94	25.965	71.155
430.	25.966	71.177
430.01		71.181
430.02		71.185
430.05	25.967	71.196
430.14	25.969	71.229
430.24	25.971	71.266
430.34	25.973	71.302
430.44	25.974	71.339
430.54	25.976	71.376
430.64	25.978	71.413
430.74	25.98	71.449
430.84	25.982	71.486
430.94	25.984	71.523

431.		71.545
431.01	25.985	71.548
431.02		71.552
431.05	25.986	71.563
431.14	25.988	71.596
431.24	25.99	71.633
431.34	25.991	71.669
431.44	25.993	71.706
431.54	25.995	71.742
431.64	25.997	71.779
431.74	25.999	71.816
431.84	26.001	71.852
431.94	26.003	71.889
432.		71.911
432.01	26.004	71.914
432.02		71.918
432.05	26.005	71.929
432.14	26.007	71.962
432.24	26.009	71.998
432.34	26.01	72.035
432.44	26.012	72.072
432.54	26.014	72.108
432.64	26.016	72.145
432.74	26.018	72.181
432.84	26.02	72.218
432.94	26.022	72.254
433.		72.276
433.01	26.023	72.28
433.02		72.283
433.05	26.024	72.294
433.14	26.026	72.327
433.24	26.028	72.363
433.34	26.029	72.4
433.44	26.031	72.436
433.54	26.033	72.473
433.64	26.035	72.509
433.74	26.037	72.545
433.84	26.039	72.582
433.94	26.041	72.618
434.		72.64
434.01	26.042	72.644
434.02		72.647
434.05	26.043	72.658
434.14	26.045	72.691
434.24	26.046	72.727
434.34	26.048	72.764
434.44	26.05	72.8
434.54	26.052	72.836
434.64	26.054	72.873
434.74	26.056	72.909
434.84	26.058	72.945
434.94	26.06	72.981
435.		73.003
435.01	26.061	73.007
435.02		73.011
435.05	26.062	73.021
435.14	26.064	73.054
435.24	26.065	73.09
435.34	26.067	73.126
435.44	26.069	73.163
435.54	26.071	73.199
435.64	26.073	73.235
435.74	26.075	73.271
435.84	26.077	73.307
435.94	26.079	73.344
436.		73.365

436.01	26.08	73.369
436.02		73.372
436.05	26.081	73.383
436.14	26.083	73.416
436.24	26.084	73.452
436.34	26.086	73.488
436.44	26.088	73.524
436.54	26.09	73.56
436.64	26.092	73.596
436.74	26.094	73.632
436.84	26.096	73.668
436.94	26.098	73.704
437.	26.099	73.726
437.01		73.729
437.02		73.733
437.05	26.1	73.744
437.14	26.101	73.776
437.24	26.103	73.812
437.34	26.105	73.848
437.44	26.107	73.884
437.54	26.109	73.92
437.64	26.111	73.956
437.74	26.113	73.992
437.84	26.115	74.028
437.94	26.117	74.064
438.	26.118	74.085
438.01		74.089
438.02		74.092
438.05	26.119	74.103
438.14	26.12	74.136
438.24	26.122	74.171
438.34	26.124	74.207
438.44	26.126	74.243
438.54	26.128	74.279
438.64	26.13	74.315
438.74	26.132	74.35
438.84	26.134	74.386
438.94	26.136	74.422
439.	26.137	74.443
439.01		74.447
439.02		74.451
439.05	26.138	74.461
439.14	26.139	74.493
439.24	26.141	74.529
439.34	26.143	74.565
439.44	26.145	74.601
439.54	26.147	74.636
439.64	26.149	74.672
439.74	26.151	74.708
439.84	26.153	74.743
439.94	26.155	74.779
440.	26.156	74.8
440.01		74.804
440.02		74.807
440.05	26.157	74.818
440.14	26.158	74.85
440.24	26.16	74.886
440.34	26.162	74.921
440.44	26.164	74.957
440.54	26.166	74.992
440.64	26.168	75.028
440.74	26.17	75.063
440.84	26.172	75.099
440.94	26.173	75.134
441.	26.175	75.156
441.01		75.159

441.02		75.163
441.05	26.176	75.173
441.14	26.177	75.205
441.24	26.179	75.241
441.34	26.181	75.276
441.44	26.183	75.312
441.54	26.185	75.347
441.64	26.187	75.382
441.74	26.189	75.418
441.84	26.19	75.453
441.94	26.192	75.488
442.	26.194	75.51
442.01		75.513
442.02		75.517
442.05		75.527
442.14	26.196	75.559
442.24	26.198	75.594
442.34	26.2	75.63
442.44	26.202	75.665
442.54	26.204	75.7
442.64	26.206	75.735
442.74	26.207	75.771
442.84	26.209	75.806
442.94	26.211	75.841
443.	26.212	75.862
443.01	26.213	75.866
443.02		75.869
443.05		75.88
443.14	26.215	75.911
443.24	26.217	75.947
443.34	26.219	75.982
443.44	26.221	76.017
443.54	26.223	76.052
443.64	26.224	76.087
443.74	26.226	76.122
443.84	26.228	76.157
443.94	26.23	76.192
444.	26.231	76.213
444.01		76.217
444.02	26.232	76.22
444.05		76.231
444.14	26.234	76.262
444.24	26.236	76.297
444.34	26.238	76.332
444.44	26.24	76.367
444.54	26.241	76.402
444.64	26.243	76.437
444.74	26.245	76.472
444.84	26.247	76.507
444.94	26.249	76.542
445.	26.25	76.563
445.01		76.566
445.02	26.251	76.57
445.05		76.58
445.14	26.253	76.612
445.24	26.255	76.647
445.34	26.257	76.682
445.44	26.258	76.716
445.54	26.26	76.751
445.64	26.262	76.786
445.74	26.264	76.821
445.84	26.266	76.856
445.94	26.268	76.89
446.	26.269	76.911
446.01		76.915
446.02		76.918

446.05	26.27	76.929
446.14	26.272	76.96
446.24	26.274	76.995
446.34	26.275	77.029
446.44	26.277	77.064
446.54	26.279	77.099
446.64	26.281	77.133
446.74	26.283	77.168
446.84	26.285	77.203
446.94	26.287	77.237
447.	26.288	77.258
447.01		77.262
447.02		77.265
447.05	26.289	77.276
447.14	26.29	77.307
447.24	26.292	77.341
447.34	26.294	77.376
447.44	26.296	77.411
447.54	26.298	77.445
447.64	26.3	77.48
447.74	26.302	77.514
447.84	26.304	77.549
447.94	26.306	77.583
448.	26.307	77.604
448.01		77.607
448.02		77.611
448.05	26.308	77.621
448.14	26.309	77.652
448.24	26.311	77.687
448.34	26.313	77.721
448.44	26.315	77.756
448.54	26.317	77.79
448.64	26.319	77.825
448.74	26.321	77.859
448.84	26.322	77.894
448.94	26.324	77.928
449.	26.325	77.949
449.01	26.326	77.952
449.02		77.956
449.05		77.966
449.14	26.328	77.997
449.24	26.33	78.031
449.34	26.332	78.065
449.44	26.334	78.1
449.54	26.336	78.134
449.64	26.337	78.168
449.74	26.339	78.203
449.84	26.341	78.237
449.94	26.343	78.271
450.	26.344	78.292
450.01		78.295
450.02	26.345	78.299
450.05		78.309
450.14	26.347	78.34
450.24	26.349	78.374
450.34	26.351	78.408
450.44	26.353	78.442
450.54	26.354	78.477
450.64	26.356	78.511
450.74	26.358	78.545
450.84	26.36	78.579
450.94	26.362	78.613
451.	26.363	78.634
451.01		78.637
451.02		78.641
451.05	26.364	78.651

451.14	26.366	78.681
451.24	26.368	78.716
451.34	26.369	78.75
451.44	26.371	78.784
451.54	26.373	78.818
451.64	26.375	78.852
451.74	26.377	78.886
451.84	26.379	78.92
451.94	26.381	78.954
452.	26.382	78.974
452.01		78.978
452.02		78.981
452.05	26.383	78.991
452.14	26.384	79.022
452.24	26.386	79.056
452.34	26.388	79.09
452.44	26.39	79.124
452.54	26.392	79.157
452.64	26.394	79.191
452.74	26.396	79.225
452.84	26.398	79.259
452.94	26.399	79.293
453.	26.401	79.313
453.01		79.317
453.02		79.32
453.05		79.33
453.14	26.403	79.361
453.24	26.405	79.394
453.34	26.407	79.428
453.44	26.409	79.462
453.54	26.411	79.496
453.64	26.413	79.529
453.74	26.414	79.563
453.84	26.416	79.597
453.94	26.418	79.631
454.	26.419	79.651
454.01		79.654
454.02	26.42	79.658
454.05		79.668
454.14	26.422	79.698
454.24	26.424	79.732
454.34	26.426	79.765
454.44	26.428	79.799
454.54	26.429	79.833
454.64	26.431	79.866
454.74	26.433	79.9
454.84	26.435	79.933
454.94	26.437	79.967
455.	26.438	79.987
455.01		79.99
455.02		79.994
455.05	26.439	80.004
455.14	26.441	80.034
455.24	26.442	80.068
455.34	26.444	80.101
455.44	26.446	80.135
455.54	26.448	80.168
455.64	26.45	80.202
455.74	26.452	80.235
455.84	26.454	80.268
455.94	26.456	80.302
456.	26.457	80.322
456.01		80.325
456.02		80.329
456.05	26.458	80.339
456.14	26.459	80.369

456.24	26.461	80.402
456.34	26.463	80.435
456.44	26.465	80.469
456.54	26.467	80.502
456.64	26.469	80.535
456.74	26.471	80.569
456.84	26.472	80.602
456.94	26.474	80.635
457.	26.475	80.655
457.01	26.476	80.659
457.02		80.662
457.05		80.672
457.14	26.478	80.702
457.24	26.48	80.735
457.34	26.482	80.768
457.44	26.484	80.802
457.54	26.485	80.835
457.64	26.487	80.868
457.74	26.489	80.901
457.84	26.491	80.934
457.94	26.493	80.967
458.	26.494	80.987
458.01		80.991
458.02		80.994
458.05	26.495	81.004
458.14	26.497	81.034
458.24	26.499	81.067
458.34	26.5	81.1
458.44	26.502	81.133
458.54	26.504	81.166
458.64	26.506	81.199
458.74	26.508	81.232
458.84	26.51	81.265
458.94	26.512	81.298
459.	26.513	81.318
459.01		81.321
459.02		81.325
459.05	26.514	81.335
459.14	26.515	81.364
459.24	26.517	81.397
459.34	26.519	81.43
459.44	26.521	81.463
459.54	26.523	81.496
459.64	26.525	81.529
459.74	26.526	81.562
459.84	26.528	81.595
459.94	26.53	81.628
460.	26.531	81.647
460.01		81.651
460.02	26.532	81.654
460.05		81.664
460.14	26.534	81.693
460.24	26.536	81.726
460.34	26.538	81.759
460.44	26.539	81.792
460.54	26.541	81.825
460.64	26.543	81.858
460.74	26.545	81.89
460.84	26.547	81.923
460.94	26.549	81.956
461.	26.55	81.975
461.01		81.979
461.02		81.982
461.05	26.551	81.992
461.14	26.553	82.021
461.24	26.554	82.054

461.34	26.556	82.087
461.44	26.558	82.119
461.54	26.56	82.152
461.64	26.562	82.185
461.74	26.564	82.217
461.84	26.566	82.25
461.94	26.567	82.283
462.	26.569	82.302
462.01		82.305
462.02		82.309
462.05		82.318
462.14	26.571	82.348
462.24	26.573	82.38
462.34	26.575	82.413
462.44	26.577	82.446
462.54	26.579	82.478
462.64	26.58	82.511
462.74	26.582	82.543
462.84	26.584	82.576
462.94	26.586	82.608
463.	26.587	82.628
463.01		82.631
463.02		82.634
463.05	26.588	82.644
463.14	26.59	82.673
463.24	26.592	82.705
463.34	26.593	82.738
463.44	26.595	82.77
463.54	26.597	82.803
463.64	26.599	82.835
463.74	26.601	82.867
463.84	26.603	82.9
463.94	26.605	82.932
464.	26.606	82.952
464.01		82.955
464.02		82.958
464.05	26.607	82.968
464.14	26.608	82.997
464.24	26.61	83.029
464.34	26.612	83.061
464.44	26.614	83.094
464.54	26.616	83.126
464.64	26.618	83.158
464.74	26.619	83.19
464.84	26.621	83.223
464.94	26.623	83.255
465.	26.624	83.274
465.01		83.277
465.02	26.625	83.281
465.05		83.29
465.14	26.627	83.319
465.24	26.629	83.351
465.34	26.63	83.384
465.44	26.632	83.416
465.54	26.634	83.448
465.64	26.636	83.48
465.74	26.638	83.512
465.84	26.64	83.544
465.94	26.642	83.576
466.	26.643	83.595
466.01		83.599
466.02		83.602
466.05	26.644	83.612
466.14	26.645	83.64
466.24	26.647	83.672
466.34	26.649	83.704

466.44	26.651	83.736
466.54	26.653	83.768
466.64	26.655	83.8
466.74	26.656	83.832
466.84	26.658	83.864
466.94	26.66	83.896
467.	26.661	83.915
467.01		83.919
467.02	26.662	83.922
467.05		83.931
467.14	26.664	83.96
467.24	26.666	83.992
467.34	26.667	84.024
467.44	26.669	84.056
467.54	26.671	84.088
467.64	26.673	84.12
467.74	26.675	84.151
467.84	26.677	84.183
467.94	26.679	84.215
468.	26.68	84.234
468.01		84.237
468.02		84.241
468.05	26.681	84.25
468.14	26.682	84.279
468.24	26.684	84.31
468.34	26.686	84.342
468.44	26.688	84.374
468.54	26.69	84.406
468.64	26.691	84.437
468.74	26.693	84.469
468.84	26.695	84.501
468.94	26.697	84.532
469.	26.698	84.551
469.01		84.555
469.02	26.699	84.558
469.05		84.567
469.14	26.701	84.596
469.24	26.703	84.627
469.34	26.704	84.659
469.44	26.706	84.691
469.54	26.708	84.722
469.64	26.71	84.754
469.74	26.712	84.786
469.84	26.714	84.817
469.94	26.715	84.849
470.	26.717	84.868
470.01		84.871
470.02		84.874
470.05	26.718	84.883
470.14	26.719	84.912
470.24	26.721	84.943
470.34	26.723	84.975
470.44	26.725	85.006
470.54	26.727	85.038
470.64	26.728	85.069
470.74	26.73	85.101
470.84	26.732	85.132
470.94	26.734	85.163
471.	26.735	85.182
471.01		85.185
471.02		85.189
471.05	26.736	85.198
471.14	26.738	85.226
471.24	26.739	85.258
471.34	26.741	85.289
471.44	26.743	85.32

471.54	26.745	85.352
471.64	26.747	85.383
471.74	26.749	85.414
471.84	26.75	85.446
471.94	26.752	85.477
472.	26.753	85.496
472.01	26.754	85.499
472.02		85.502
472.05		85.511
472.14	26.756	85.54
472.24	26.758	85.571
472.34	26.76	85.602
472.44	26.762	85.633
472.54	26.763	85.665
472.64	26.765	85.696
472.74	26.767	85.727
472.84	26.769	85.758
472.94	26.771	85.789
473.	26.772	85.808
473.01		85.811
473.02		85.814
473.05	26.773	85.824
473.14	26.774	85.852
473.24	26.776	85.883
473.34	26.778	85.914
473.44	26.78	85.945
473.54	26.782	85.976
473.64	26.784	86.007
473.74	26.785	86.038
473.84	26.787	86.069
473.94	26.789	86.1
474.	26.79	86.119
474.01		86.122
474.02	26.791	86.125
474.05		86.134
474.14	26.793	86.162
474.24	26.795	86.193
474.34	26.796	86.224
474.44	26.798	86.255
474.54	26.8	86.286
474.64	26.802	86.317
474.74	26.804	86.348
474.84	26.806	86.379
474.94	26.807	86.41
475.	26.809	86.428
475.01		86.431
475.02		86.434
475.05		86.444
475.14	26.811	86.472
475.24	26.813	86.502
475.34	26.815	86.533
475.44	26.817	86.564
475.54	26.818	86.595
475.64	26.82	86.626
475.74	26.822	86.656
475.84	26.824	86.687
475.94	26.826	86.718
476.	26.827	86.736
476.01		86.74
476.02		86.743
476.05	26.828	86.752
476.14	26.829	86.78
476.24	26.831	86.81
476.34	26.833	86.841
476.44	26.835	86.872
476.54	26.837	86.902

476.64	26.839	86.933
476.74	26.84	86.964
476.84	26.842	86.994
476.94	26.844	87.025
477.	26.845	87.043
477.01		87.046
477.02	26.846	87.049
477.05		87.059
477.14	26.848	87.086
477.24	26.85	87.117
477.34	26.851	87.147
477.44	26.853	87.178
477.54	26.855	87.208
477.64	26.857	87.239
477.74	26.859	87.27
477.84	26.861	87.3
477.94	26.862	87.331
478.	26.863	87.349
478.01	26.864	87.352
478.02		87.355
478.05		87.364
478.14	26.866	87.392
478.24	26.868	87.422
478.34	26.87	87.452
478.44	26.872	87.483
478.54	26.873	87.513
478.64	26.875	87.544
478.74	26.877	87.574
478.84	26.879	87.605
478.94	26.881	87.635
479.	26.882	87.653
479.01		87.656
479.02		87.659
479.05	26.883	87.668
479.14	26.884	87.696
479.24	26.886	87.726
479.34	26.888	87.756
479.44	26.89	87.787
479.54	26.892	87.817
479.64	26.893	87.847
479.74	26.895	87.877
479.84	26.897	87.908
479.94	26.899	87.938
480.	26.9	87.956
480.01		87.959
480.02		87.962
480.05	26.901	87.971
480.14	26.903	87.998
480.24	26.904	88.029
480.34	26.906	88.059
480.44	26.908	88.089
480.54	26.91	88.119
480.64	26.912	88.149
480.74	26.914	88.18
480.84	26.915	88.21
480.94	26.917	88.24
481.	26.918	88.258
481.01		88.261
481.02	26.919	88.264
481.05		88.273
481.14	26.921	88.3
481.24	26.923	88.33
481.34	26.924	88.36
481.44	26.926	88.39
481.54	26.928	88.42
481.64	26.93	88.45

481.74	26.932	88.48
481.84	26.934	88.51
481.94	26.935	88.54
482.	26.936	88.558
482.01	26.937	88.561
482.02		88.564
482.05		88.573
482.14	26.939	88.6
482.24	26.941	88.63
482.34	26.943	88.66
482.44	26.944	88.69
482.54	26.946	88.72
482.64	26.948	88.75
482.74	26.95	88.78
482.84	26.952	88.81
482.94	26.954	88.84
483.	26.955	88.858
483.01		88.86
483.02		88.863
483.05	26.956	88.872
483.14	26.957	88.899
483.24	26.959	88.929
483.34	26.961	88.959
483.44	26.963	88.989
483.54	26.964	89.019
483.64	26.966	89.048
483.74	26.968	89.078
483.84	26.97	89.108
483.94	26.972	89.138
484.	26.973	89.155
484.01		89.158
484.02		89.161
484.05	26.974	89.17
484.14	26.975	89.197
484.24	26.977	89.227
484.34	26.979	89.256
484.44	26.981	89.286
484.54	26.983	89.316
484.64	26.984	89.345
484.74	26.986	89.375
484.84	26.988	89.405
484.94	26.99	89.434
485.	26.991	89.452
485.01		89.455
485.02		89.458
485.05	26.992	89.467
485.14	26.994	89.494
485.24	26.995	89.523
485.34	26.997	89.553
485.44	26.999	89.582
485.54	27.001	89.612
485.64	27.003	89.641
485.74	27.004	89.671
485.84	27.006	89.7
485.94	27.008	89.73
486.	27.009	89.748
486.01		89.75
486.02	27.01	89.753
486.05		89.762
486.14	27.012	89.789
486.24	27.013	89.818
486.34	27.015	89.848
486.44	27.017	89.877
486.54	27.019	89.906
486.64	27.021	89.936
486.74	27.023	89.965

486.84	27.024	89.995
486.94	27.026	90.024
487.	27.027	90.042
487.01		90.045
487.02	27.028	90.047
487.05		90.056
487.14	27.03	90.083
487.24	27.032	90.112
487.34	27.033	90.141
487.44	27.035	90.171
487.54	27.037	90.2
487.64	27.039	90.229
487.74	27.041	90.258
487.84	27.042	90.288
487.94	27.044	90.317
488.	27.045	90.334
488.01	27.046	90.337
488.02		90.34
488.05		90.349
488.14	27.048	90.375
488.24	27.05	90.405
488.34	27.052	90.434
488.44	27.053	90.463
488.54	27.055	90.492
488.64	27.057	90.521
488.74	27.059	90.55
488.84	27.061	90.579
488.94	27.062	90.609
489.	27.063	90.626
489.01	27.064	90.629
489.02		90.632
489.05		90.641
489.14	27.066	90.667
489.24	27.068	90.696
489.34	27.07	90.725
489.44	27.071	90.754
489.54	27.073	90.783
489.64	27.075	90.812
489.74	27.077	90.841
489.84	27.079	90.87
489.94	27.08	90.899
490.	27.082	90.916
490.01		90.919
490.02		90.922
490.05		90.931
490.14	27.084	90.957
490.24	27.086	90.986
490.34	27.088	91.015
490.44	27.089	91.044
490.54	27.091	91.072
490.64	27.093	91.101
490.74	27.095	91.13
490.84	27.097	91.159
490.94	27.098	91.188
491.	27.1	91.205
491.01		91.208
491.02		91.211
491.05		91.22
491.14	27.102	91.246
491.24	27.104	91.274
491.34	27.106	91.303
491.44	27.107	91.332
491.54	27.109	91.361
491.64	27.111	91.39
491.74	27.113	91.418
491.84	27.115	91.447

491.94	27.116	91.476
492.	27.118	91.493
492.01		91.496
492.02		91.499
492.05		91.507
492.14	27.12	91.533
492.24	27.122	91.562
492.34	27.124	91.59
492.44	27.125	91.619
492.54	27.127	91.648
492.64	27.129	91.676
492.74	27.131	91.705
492.84	27.133	91.734
492.94	27.134	91.762
493.	27.136	91.779
493.01		91.782
493.02		91.785
493.05		91.794
493.14	27.138	91.819
493.24	27.14	91.848
493.34	27.142	91.877
493.44	27.143	91.905
493.54	27.145	91.934
493.64	27.147	91.962
493.74	27.149	91.991
493.84	27.151	92.019
493.94	27.152	92.048
494.	27.154	92.065
494.01		92.068
494.02		92.07
494.05		92.079
494.14	27.156	92.105
494.24	27.158	92.133
494.34	27.16	92.161
494.44	27.161	92.19
494.54	27.163	92.218
494.64	27.165	92.247
494.74	27.167	92.275
494.84	27.169	92.303
494.94	27.17	92.332
495.	27.172	92.349
495.01		92.352
495.02		92.354
495.05		92.363
495.14	27.174	92.388
495.24	27.176	92.417
495.34	27.178	92.445
495.44	27.179	92.473
495.54	27.181	92.502
495.64	27.183	92.53
495.74	27.185	92.558
495.84	27.187	92.586
495.94	27.188	92.615
496.	27.189	92.632
496.01	27.19	92.634
496.02		92.637
496.05		92.646
496.14	27.192	92.671
496.24	27.194	92.699
496.34	27.196	92.728
496.44	27.197	92.756
496.54	27.199	92.784
496.64	27.201	92.812
496.74	27.203	92.84
496.84	27.205	92.868
496.94	27.206	92.896

497.	27.207	92.913
497.01	27.208	92.916
497.02		92.919
497.05		92.927
497.14	27.21	92.953
497.24	27.212	92.981
497.34	27.213	93.009
497.44	27.215	93.037
497.54	27.217	93.065
497.64	27.219	93.093
497.74	27.221	93.121
497.84	27.222	93.149
497.94	27.224	93.177
498.	27.225	93.194
498.01		93.196
498.02	27.226	93.199
498.05		93.208
498.14	27.228	93.233
498.24	27.23	93.261
498.34	27.231	93.289
498.44	27.233	93.317
498.54	27.235	93.345
498.64	27.237	93.372
498.74	27.239	93.4
498.84	27.24	93.428
498.94	27.242	93.456
499.	27.243	93.473
499.01		93.476
499.02	27.244	93.478
499.05		93.487
499.14	27.246	93.512
499.24	27.247	93.54
499.34	27.249	93.567
499.44	27.251	93.595
499.54	27.253	93.623
499.64	27.255	93.651
499.74	27.256	93.679
499.84	27.258	93.706
499.94	27.26	93.734
500.	27.261	93.751
500.01		93.753
500.02		93.756
500.05	27.262	93.765
500.14	27.264	93.789
500.24	27.265	93.817
500.34	27.267	93.845
500.44	27.269	93.873
500.54	27.271	93.9
500.64	27.272	93.928
500.74	27.274	93.956
500.84	27.276	93.983
500.94	27.278	94.011
501.	27.279	94.027
501.01		94.03
501.02		94.033
501.05	27.28	94.041
501.14	27.281	94.066
501.24	27.283	94.094
501.34	27.285	94.121
501.44	27.287	94.149
501.54	27.289	94.176
501.64	27.29	94.204
501.74	27.292	94.231
501.84	27.294	94.259
501.94	27.296	94.286
502.		94.303

502.01	27.297	94.306
502.02		94.308
502.05	27.298	94.317
502.14	27.299	94.341
502.24	27.301	94.369
502.34	27.303	94.396
502.44	27.305	94.424
502.54	27.306	94.451
502.64	27.308	94.478
502.74	27.31	94.506
502.84	27.312	94.533
502.94	27.313	94.561
503.	27.315	94.577
503.01		94.58
503.02		94.583
503.05		94.591
503.14	27.317	94.615
503.24	27.319	94.643
503.34	27.321	94.67
503.44	27.322	94.697
503.54	27.324	94.725
503.64	27.326	94.752
503.74	27.328	94.779
503.84	27.33	94.807
503.94	27.331	94.834
504.	27.332	94.85
504.01	27.333	94.853
504.02		94.856
504.05		94.864
504.14	27.335	94.888
504.24	27.337	94.915
504.34	27.338	94.943
504.44	27.34	94.97
504.54	27.342	94.997
504.64	27.344	95.024
504.74	27.346	95.051
504.84	27.347	95.079
504.94	27.349	95.106
505.	27.35	95.122
505.01		95.125
505.02		95.127
505.05	27.351	95.136
505.14	27.353	95.16
505.24	27.354	95.187
505.34	27.356	95.214
505.44	27.358	95.241
505.54	27.36	95.268
505.64	27.361	95.295
505.74	27.363	95.322
505.84	27.365	95.349
505.94	27.367	95.376
506.	27.368	95.393
506.01		95.395
506.02		95.398
506.05	27.369	95.406
506.14	27.37	95.43
506.24	27.372	95.457
506.34	27.374	95.484
506.44	27.376	95.511
506.54	27.377	95.538
506.64	27.379	95.565
506.74	27.381	95.592
506.84	27.383	95.619
506.94	27.385	95.646
507.	27.386	95.662
507.01		95.665

507.02		95.667
507.05	27.387	95.676
507.14	27.388	95.7
507.24	27.39	95.727
507.34	27.392	95.753
507.44	27.393	95.78
507.54	27.395	95.807
507.64	27.397	95.834
507.74	27.399	95.861
507.84	27.401	95.888
507.94	27.402	95.914
508.	27.403	95.93
508.01		95.933
508.02	27.404	95.936
508.05		95.944
508.14	27.406	95.968
508.24	27.408	95.995
508.34	27.409	96.021
508.44	27.411	96.048
508.54	27.413	96.075
508.64	27.415	96.102
508.74	27.416	96.128
508.84	27.418	96.155
508.94	27.42	96.182
509.		96.198
509.01	27.421	96.2
509.02		96.203
509.05	27.422	96.211
509.14	27.424	96.235
509.24	27.425	96.262
509.34	27.427	96.288
509.44	27.429	96.315
509.54	27.431	96.341
509.64	27.432	96.368
509.74	27.434	96.395
509.84	27.436	96.421
509.94	27.438	96.448
510.		96.464
510.01	27.439	96.466
510.02		96.469
510.05	27.44	96.477
510.14	27.441	96.501
510.24	27.443	96.527
510.34	27.445	96.554
510.44	27.446	96.58
510.54	27.448	96.607
510.64	27.45	96.633
510.74	27.452	96.66
510.84	27.454	96.686
510.94	27.455	96.713
511.	27.456	96.728
511.01		96.731
511.02	27.457	96.734
511.05		96.742
511.14	27.459	96.765
511.24	27.461	96.792
511.34	27.462	96.818
511.44	27.464	96.845
511.54	27.466	96.871
511.64	27.468	96.897
511.74	27.469	96.924
511.84	27.471	96.95
511.94	27.473	96.976
512.		96.992
512.01	27.474	96.995
512.02		96.997

512.05	27.475	97.005
512.14	27.477	97.029
512.24	27.478	97.055
512.34	27.48	97.081
512.44	27.482	97.108
512.54	27.484	97.134
512.64	27.485	97.16
512.74	27.487	97.186
512.84	27.489	97.213
512.94	27.491	97.239
513.	27.492	97.255
513.01		97.257
513.02		97.26
513.05	27.493	97.268
513.14	27.494	97.291
513.24	27.496	97.317
513.34	27.498	97.344
513.44	27.499	97.37
513.54	27.501	97.396
513.64	27.503	97.422
513.74	27.505	97.448
513.84	27.506	97.474
513.94	27.508	97.5
514.	27.509	97.516
514.01		97.519
514.02	27.51	97.521
514.05		97.529
514.14	27.512	97.552
514.24	27.514	97.578
514.34	27.515	97.604
514.44	27.517	97.631
514.54	27.519	97.657
514.64	27.521	97.683
514.74	27.522	97.709
514.84	27.524	97.735
514.94	27.526	97.76
515.	27.527	97.776
515.01		97.779
515.02		97.781
515.05	27.528	97.789
515.14	27.529	97.812
515.24	27.531	97.838
515.34	27.533	97.864
515.44	27.535	97.89
515.54	27.536	97.916
515.64	27.538	97.942
515.74	27.54	97.968
515.84	27.542	97.994
515.94	27.543	98.02
516.	27.544	98.035
516.01	27.545	98.038
516.02		98.04
516.05		98.048
516.14	27.547	98.071
516.24	27.549	98.097
516.34	27.55	98.123
516.44	27.552	98.149
516.54	27.554	98.174
516.64	27.556	98.2
516.74	27.557	98.226
516.84	27.559	98.252
516.94	27.561	98.278
517.	27.562	98.293
517.01		98.296
517.02		98.298
517.05	27.563	98.306

517.14	27.564	98.329
517.24	27.566	98.355
517.34	27.568	98.38
517.44	27.57	98.406
517.54	27.572	98.432
517.64	27.573	98.457
517.74	27.575	98.483
517.84	27.577	98.509
517.94	27.579	98.534
518.	27.58	98.55
518.01		98.552
518.02		98.555
518.05		98.562
518.14	27.582	98.586
518.24	27.584	98.611
518.34	27.586	98.637
518.44	27.587	98.662
518.54	27.589	98.688
518.64	27.591	98.713
518.74	27.593	98.739
518.84	27.594	98.764
518.94	27.596	98.79
519.	27.597	98.805
519.01		98.808
519.02		98.81
519.05	27.598	98.818
519.14	27.6	98.841
519.24	27.601	98.866
519.34	27.603	98.892
519.44	27.605	98.917
519.54	27.607	98.943
519.64	27.608	98.968
519.74	27.61	98.994
519.84	27.612	99.019
519.94	27.614	99.044
520.	27.615	99.06
520.01		99.062
520.02		99.065
520.05		99.072
520.14	27.617	99.095
520.24	27.619	99.12
520.34	27.621	99.146
520.44	27.622	99.171
520.54	27.624	99.197
520.64	27.626	99.222
520.74	27.628	99.247
520.84	27.629	99.272
520.94	27.631	99.298
521.	27.632	99.313
521.01		99.315
521.02		99.318
521.05	27.633	99.325
521.14	27.635	99.348
521.24	27.636	99.373
521.34	27.638	99.399
521.44	27.64	99.424
521.54	27.642	99.449
521.64	27.643	99.474
521.74	27.645	99.5
521.84	27.647	99.525
521.94	27.649	99.55
522.	27.65	99.565
522.01		99.567
522.02		99.57
522.05		99.578
522.14	27.652	99.6

522.24	27.654	99.625
522.34	27.656	99.65
522.44	27.657	99.676
522.54	27.659	99.701
522.64	27.661	99.726
522.74	27.663	99.751
522.84	27.664	99.776
522.94	27.666	99.801
523.	27.667	99.816
523.01		99.818
523.02		99.821
523.05	27.668	99.828
523.14	27.669	99.851
523.24	27.671	99.876
523.34	27.673	99.901
523.44	27.675	99.926
523.54	27.676	99.951
523.64	27.678	99.976
523.74	27.68	100.
523.84	27.682	100.03
523.94	27.683	100.05
524.	27.684	100.07
524.01	27.685	
524.02		
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524.34	27.69	100.15
524.44	27.692	100.18
524.54	27.694	100.2
524.64	27.696	100.22
524.74	27.697	100.25
524.84	27.699	100.27
524.94	27.701	100.3
525.	27.702	100.31
525.01		100.32
525.02		
525.05	27.703	100.33
525.14	27.704	100.35
525.24	27.706	100.37
525.34	27.708	100.4
525.44	27.71	100.42
525.54	27.711	100.45
525.64	27.713	100.47
525.74	27.715	100.5
525.84	27.717	100.52
525.94	27.718	100.55
526.	27.719	100.56
526.01		
526.02	27.72	100.57
526.05		
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526.74	27.732	100.74
526.84	27.734	100.77
526.94	27.736	100.79
527.	27.737	100.81
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527.02		
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531.24	27.81	101.84
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531.64	27.817	101.94
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531.84	27.821	101.98
531.94	27.822	102.01
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532.24	27.828	102.08
532.34	27.829	102.1

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532.94	27.84	102.25
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533.34	27.847	102.34
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533.64	27.852	102.42
533.74	27.853	102.44
533.84	27.855	102.46
533.94	27.857	102.49
534.	27.858	102.5
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534.14	27.86	102.53
534.24	27.862	102.56
534.34	27.864	102.58
534.44	27.866	102.61
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534.64	27.869	102.65
534.74	27.871	102.68
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535.14	27.878	102.77
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537.24	27.914	103.27
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537.44	27.917	103.31

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541.44	27.986	104.24
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5316.	37.663	66.896
5436.	37.375	65.38
5556.	37.096	63.913
5676.	36.825	62.492
5796.	36.562	61.117
5916.	36.307	59.787
6000.	36.131	58.872
6012.	36.106	58.742
6024.	36.081	58.613
6060.	36.008	58.237
6168.	35.792	57.118
6276.	35.582	56.031
6396.	35.356	54.865
6516.	35.136	53.736
6636.	34.922	52.644
6756.	34.715	51.588
6876.	34.513	50.566
6996.	34.317	49.577
7116.	34.126	48.62
7200.	33.995	47.963

FIGURE 23
Model (H4) > Transient Thermal (H5) > Solution (H6) > Permacon T

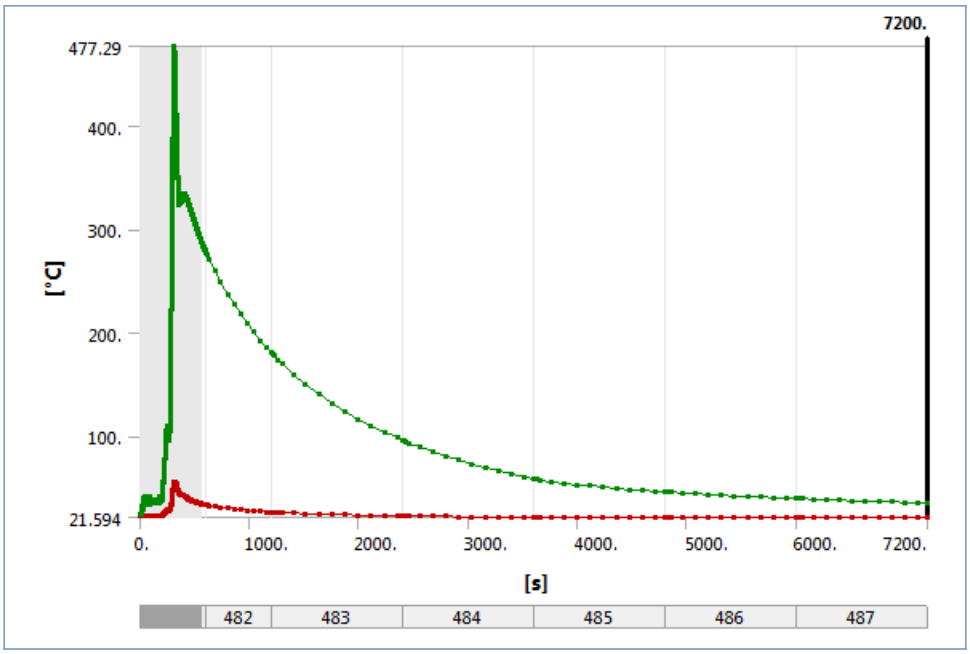

TABLE 31
Model (H4) > Transient Thermal (H5) > Solution (H6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.995	23.985
4.e-002	22.747	24.027
0.1	22.575	24.039
0.28	22.478	24.032
0.48	22.446	
0.68	22.432	24.037
0.88	22.423	24.039
1.08	22.418	24.04
1.28	22.413	
1.48	22.41	
1.68	22.408	24.039
1.88	22.406	24.038
2.	22.405	
2.02		
2.04		24.037
2.1		
2.28	22.404	24.036
2.48	22.403	24.035
2.68	22.402	24.033
2.88	22.401	24.032
3.08		24.03
3.28		24.028
3.48	22.4	24.027
3.68		24.025
3.88		24.024
4.		24.023
4.02		24.022
4.04		
4.1	22.399	
4.28		24.02
4.48		24.019
4.68		24.017
4.88		24.015
5.08		24.014
5.28		24.012
5.48		24.01
5.68		24.009
5.88		24.007

6.	22.398	24.006
6.02		
6.04		
6.1		24.005
6.28		
6.48	22.397	24.004
6.68		
6.88		
7.08		
7.28		
7.48		
7.68	22.396	
7.88		
8.		
8.02		
8.04		
8.1		
8.28		24.003
8.48		
8.68	22.395	
8.88		
9.08		
9.28		24.002
9.48	22.394	
9.68		
9.88		
10.		24.001
10.02		
10.04		
10.1		
10.28	22.393	
10.48		
10.68		
10.88		24.
11.08	22.392	
11.28		
11.48		23.999
11.68	22.391	
11.88		
12.		23.998
12.02		
12.04		
12.1		
12.28	22.39	
12.48		23.997
12.68		
12.88	22.389	
13.08		23.996
13.28		
13.48	22.388	23.995
13.68		
13.88	22.387	23.994
14.		
14.02		
14.04		
14.1		
14.22		
14.33		24.077
14.441		24.242
14.641	22.389	24.623
14.841	22.392	25.077
15.041	22.397	25.607
15.241	22.403	26.191
15.441	22.412	26.825
15.641	22.423	27.504
15.841	22.437	28.226

16.	22.45	28.827
16.02	22.452	28.9
16.04	22.453	28.971
16.1	22.458	29.169
16.28	22.476	29.682
16.48	22.497	30.185
16.68	22.52	30.641
16.88	22.545	31.061
17.08	22.571	31.452
17.28	22.597	31.819
17.48	22.624	32.165
17.68	22.651	32.493
17.88	22.679	32.806
18.	22.695	32.988
18.02	22.698	33.016
18.04	22.7	33.041
18.1	22.709	33.098
18.28	22.733	33.152
18.48	22.758	33.105
18.68	22.783	32.97
18.88	22.805	32.762
19.08	22.826	32.487
19.28	22.844	32.153
19.48	22.859	31.765
19.68	22.871	31.326
19.87	22.881	30.867
20.	22.886	30.534
20.02		30.487
20.04	22.887	30.444
20.1	22.889	30.345
20.28	22.893	30.213
20.48	22.895	30.209
20.68	22.896	30.313
20.88		30.503
21.08	22.897	30.767
21.28		31.095
21.48	22.899	31.479
21.68	22.902	31.915
21.88	22.907	32.397
22.	22.91	32.703
22.02		32.75
22.04	22.911	32.793
22.1	22.913	32.895
22.28	22.92	33.052
22.48	22.929	33.095
22.68	22.938	33.04
22.88	22.947	32.905
23.08	22.955	32.701
23.28	22.963	32.438
23.48	22.969	32.122
23.68	22.974	31.757
23.861	22.977	31.39
24.	22.978	31.089
24.02		31.047
24.04		31.007
24.1		30.899
24.28	22.977	30.636
24.48	22.974	30.391
24.68	22.97	30.179
24.88	22.964	29.992
25.08	22.957	29.823
25.28	22.95	29.671
25.48	22.941	29.53
25.68	22.933	29.401
25.88	22.924	29.281
26.	22.918	29.212

26.02	22.917	29.202
26.04	22.916	29.194
26.1	22.913	29.184
26.224	22.908	29.204
26.424	22.899	29.316
26.615	22.891	29.48
26.805	22.884	29.693
27.005	22.878	29.963
27.205	22.874	30.276
27.405	22.871	30.627
27.605	22.869	31.012
27.805	22.87	31.431
28.	22.873	31.868
28.02		31.911
28.04		31.953
28.1	22.875	32.068
28.28	22.879	32.359
28.48	22.886	32.638
28.68	22.894	32.886
28.88	22.904	33.11
29.08	22.914	33.316
29.28	22.925	33.507
29.48	22.937	33.684
29.68	22.948	33.851
29.88	22.961	34.008
30.	22.968	34.099
30.02	22.969	34.116
30.04	22.97	34.134
30.1	22.974	34.2
30.28	22.985	34.464
30.48	22.998	34.816
30.68	23.012	35.214
30.88	23.027	35.651
31.08	23.042	36.121
31.28	23.059	36.622
31.48	23.076	37.15
31.68	23.096	37.703
31.88	23.116	38.281
32.	23.129	38.635
32.02	23.131	38.691
32.04	23.134	38.744
32.1	23.14	38.881
32.28	23.161	39.168
32.48	23.185	39.377
32.68	23.209	39.503
32.88	23.232	39.56
33.08	23.255	39.557
33.28	23.277	39.503
33.48	23.298	39.402
33.68	23.317	39.259
33.88	23.335	39.077
34.	23.344	38.954
34.02	23.346	38.934
34.04	23.347	38.913
34.1	23.352	38.847
34.28	23.364	38.627
34.48	23.375	38.355
34.68	23.384	38.055
34.88	23.391	37.73
35.08	23.396	37.379
35.28	23.398	37.005
35.48	23.399	36.608
35.68	23.397	36.188
35.88	23.393	35.747
36.	23.389	35.475
36.02		35.432

36.04	23.388	35.393
36.1	23.386	35.296
36.28	23.38	35.126
36.48	23.371	35.042
36.68	23.361	35.039
36.88	23.352	35.102
37.08	23.343	35.221
37.28	23.334	35.39
37.48	23.326	35.603
37.68	23.32	35.856
37.88	23.315	36.146
38.	23.312	36.332
38.02		36.362
38.04		36.39
38.1	23.311	36.468
38.28	23.309	36.663
38.48	23.308	36.849
38.68	23.309	37.016
38.88	23.311	37.169
39.08	23.314	37.311
39.28	23.318	37.445
39.48	23.322	37.573
39.68	23.327	37.695
39.88	23.332	37.814
40.	23.336	37.884
40.02		37.897
40.04	23.337	37.911
40.1	23.339	37.965
40.28	23.344	38.19
40.48	23.351	38.496
40.68	23.359	38.846
40.88	23.368	39.234
41.08	23.378	39.656
41.28	23.39	40.108
41.48	23.402	40.587
41.68	23.417	41.092
41.88	23.432	41.621
42.	23.442	41.947
42.02	23.444	41.996
42.04	23.446	42.041
42.1	23.451	42.144
42.28	23.467	42.264
42.48	23.486	42.231
42.68	23.504	42.067
42.88	23.521	41.794
43.08	23.536	41.428
43.28	23.55	40.979
43.48	23.561	40.455
43.68	23.569	39.863
43.872	23.573	39.234
44.	23.575	38.792
44.02		38.726
44.04		38.662
44.1	23.576	38.488
44.28	23.574	38.06
44.48	23.569	37.659
44.68	23.562	37.308
44.88	23.553	36.996
45.08	23.543	36.714
45.28	23.53	36.457
45.48	23.517	36.219
45.68	23.503	35.998
45.88	23.489	35.792
46.	23.48	35.673
46.02	23.479	35.655
46.04	23.477	35.639

46.1	23.473	35.604
46.28	23.459	35.583
46.48	23.445	35.636
46.68	23.432	35.751
46.88	23.419	35.92
47.08	23.408	36.135
47.28	23.399	36.393
47.48	23.391	36.69
47.68	23.385	37.023
47.88	23.381	37.389
48.	23.379	37.62
48.02		37.655
48.04		37.687
48.1	23.378	37.762
48.28		37.862
48.48	23.379	37.867
48.68	23.381	37.79
48.88	23.383	37.648
49.08	23.385	37.45
49.28	23.386	37.203
49.48	23.387	36.912
49.68	23.386	36.582
49.88	23.384	36.216
50.	23.383	35.985
50.02	23.382	35.949
50.04		35.917
50.1	23.381	35.843
50.28	23.377	35.745
50.48	23.372	35.744
50.68	23.367	35.826
50.88	23.361	35.975
51.08	23.356	36.181
51.28	23.352	36.437
51.48	23.349	36.737
51.68	23.347	37.078
51.88	23.348	37.456
52.		37.696
52.02		37.732
52.04		37.766
52.1	23.349	37.843
52.28	23.352	37.949
52.48	23.356	37.957
52.68	23.36	37.882
52.88	23.365	37.74
53.08	23.369	37.54
53.28	23.373	37.29
53.48	23.376	36.995
53.68	23.377	36.66
53.877		36.294
54.	23.376	36.051
54.02		36.015
54.04		35.983
54.1		35.907
54.28	23.373	35.809
54.48	23.369	35.817
54.68	23.365	35.92
54.88	23.361	36.084
55.08	23.357	36.298
55.28	23.354	36.555
55.48	23.352	36.852
55.68		37.198
55.88	23.353	37.589
56.	23.354	37.836
56.02	23.355	37.875
56.04		37.914
56.1	23.356	38.018

56.28	23.36	38.281
56.48	23.366	38.533
56.68	23.373	38.757
56.88	23.381	38.96
57.08	23.39	39.147
57.28	23.4	39.321
57.48	23.411	39.484
57.68	23.422	39.638
57.88	23.433	39.785
58.	23.44	39.87
58.02	23.441	39.884
58.04	23.442	39.898
58.1	23.445	39.94
58.28	23.456	40.06
58.48	23.467	40.189
58.68	23.479	40.312
58.88	23.49	40.432
59.08	23.502	40.547
59.28	23.513	40.66
59.48	23.524	40.769
59.68	23.535	40.875
59.88	23.546	40.979
60.	23.553	41.04
60.02	23.554	41.048
60.04	23.555	41.055
60.1	23.558	41.061
60.28	23.567	41.
60.48	23.577	40.858
60.68	23.585	40.657
60.88	23.593	40.406
61.08	23.599	40.111
61.28	23.603	39.776
61.48	23.606	39.405
61.68		39.
61.88	23.605	38.563
62.	23.604	38.29
62.02	23.603	38.246
62.04		38.204
62.1	23.602	38.087
62.28	23.597	37.793
62.48	23.591	37.51
62.68	23.583	37.259
62.88	23.573	37.057
63.08	23.563	36.881
63.28	23.552	36.719
63.48	23.541	36.567
63.68	23.529	36.424
63.88	23.517	36.288
64.	23.51	36.21
64.02	23.509	36.199
64.04	23.507	36.19
64.1	23.504	36.175
64.28	23.493	36.213
64.48	23.482	36.325
64.68	23.471	36.495
64.88	23.462	36.711
65.08	23.454	36.968
65.28	23.448	37.262
65.48	23.444	37.59
65.68	23.441	37.949
65.88		38.338
66.		38.581
66.02		38.618
66.04	23.442	38.652
66.1		38.73
66.28	23.445	38.835

66.48	23.45	38.844
66.68	23.455	38.779
66.88	23.46	38.653
67.08	23.466	38.466
67.28	23.47	38.229
67.48	23.474	37.96
67.68	23.477	37.655
67.864	23.478	37.346
68.	23.477	37.103
68.02		37.069
68.04		37.036
68.1		36.948
68.28	23.475	36.736
68.48	23.472	36.539
68.68	23.467	36.367
68.88	23.461	36.213
69.08	23.454	36.073
69.28	23.446	35.943
69.48	23.438	35.822
69.68	23.43	35.708
69.88	23.421	35.6
70.	23.416	35.537
70.02	23.415	35.526
70.04	23.414	35.516
70.1	23.411	35.485
70.28	23.403	35.397
70.48	23.394	35.303
70.68	23.385	35.213
70.88	23.376	35.126
71.08	23.367	35.042
71.28	23.359	34.96
71.48	23.35	34.882
71.68	23.342	34.806
71.88	23.333	34.732
72.	23.328	34.688
72.02		34.681
72.04	23.327	34.673
72.1	23.324	34.652
72.28	23.317	34.589
72.48	23.309	34.521
72.68	23.302	34.454
72.88	23.295	34.389
73.08	23.287	34.326
73.28	23.28	34.264
73.48	23.273	34.203
73.68	23.267	34.144
73.88	23.26	34.086
74.	23.256	34.051
74.02		34.047
74.04	23.255	34.046
74.1	23.253	34.054
74.22	23.25	34.112
74.42	23.244	34.286
74.603	23.24	34.496
74.787	23.237	34.748
74.987	23.234	35.067
75.187		35.423
75.387	23.235	35.814
75.587	23.238	36.237
75.787	23.243	36.69
75.893	23.247	36.94
76.	23.251	37.197
76.02	23.252	37.244
76.04		37.289
76.1	23.255	37.413
76.28	23.264	37.725

76.48	23.276	38.026
76.68	23.29	38.297
76.88	23.304	38.546
77.08	23.32	38.777
77.28	23.336	38.995
77.48	23.353	39.202
77.68	23.371	39.408
77.88	23.388	39.621
78.	23.399	39.746
78.02	23.401	39.767
78.04	23.402	39.787
78.1	23.408	39.848
78.28	23.424	40.024
78.48	23.441	40.212
78.68	23.459	40.394
78.88	23.476	40.57
79.08	23.493	40.741
79.28	23.51	40.906
79.48	23.527	41.068
79.68	23.543	41.225
79.88	23.56	41.378
80.	23.569	41.469
80.02	23.571	41.482
80.04	23.573	41.493
80.1	23.577	41.511
80.28	23.591	41.476
80.48	23.605	41.355
80.68	23.619	41.169
80.88	23.631	40.926
81.08	23.641	40.633
81.28	23.649	40.296
81.48	23.656	39.918
81.68	23.66	39.502
81.88		39.051
82.		38.768
82.02	23.662	38.722
82.04		38.679
82.1		38.558
82.28	23.66	38.286
82.48	23.656	38.044
82.68	23.65	37.832
82.88	23.642	37.643
83.08	23.634	37.471
83.28	23.625	37.313
83.48	23.615	37.166
83.68	23.604	37.028
83.88	23.594	36.899
84.	23.587	36.824
84.02	23.586	36.812
84.04	23.585	36.8
84.1	23.582	36.763
84.28	23.572	36.659
84.48	23.561	36.549
84.68	23.55	36.444
84.88	23.539	36.344
85.08	23.528	36.248
85.28	23.517	36.155
85.48	23.507	36.066
85.68	23.496	35.981
85.88	23.486	35.898
86.	23.48	35.849
86.02	23.479	35.841
86.04	23.478	35.833
86.1	23.475	35.809
86.28	23.466	35.74
86.48	23.457	35.665

86.68	23.448	35.592
86.88	23.439	35.521
87.08	23.43	35.452
87.28	23.421	35.386
87.48	23.413	35.32
87.68	23.405	35.257
87.88	23.397	35.195
88.	23.392	35.158
88.02	23.391	35.152
88.04		35.146
88.1	23.388	35.128
88.28	23.382	35.074
88.48	23.374	35.016
88.68	23.367	34.96
88.88	23.36	34.904
89.08	23.353	34.85
89.28	23.347	34.796
89.48	23.34	34.744
89.68	23.334	34.692
89.88	23.328	34.642
90.	23.324	34.612
90.02		34.607
90.04	23.323	34.602
90.1	23.321	34.587
90.28	23.316	34.543
90.48	23.31	34.495
90.68	23.305	34.447
90.88	23.299	34.429
91.08	23.294	34.424
91.28	23.289	34.42
91.48	23.284	34.415
91.68	23.279	34.41
91.88	23.274	34.405
92.	23.271	34.402
92.02		
92.04		34.401
92.1	23.269	34.4
92.22	23.267	34.422
92.42	23.263	34.479
92.602	23.26	34.697
92.784	23.259	34.987
92.984	23.258	35.353
93.184	23.26	35.761
93.384	23.263	36.206
93.584	23.268	36.686
93.784	23.276	37.198
93.892	23.28	37.484
94.	23.286	37.778
94.02	23.287	37.829
94.04	23.288	37.875
94.1	23.291	37.987
94.28	23.302	38.167
94.48	23.316	38.239
94.68	23.331	38.216
94.88	23.345	38.118
95.08	23.359	37.956
95.28	23.372	37.739
95.48	23.384	37.474
95.68	23.394	37.164
95.834	23.401	36.901
95.917	23.404	36.752
96.	23.407	36.596
96.02	23.408	36.561
96.04		36.527
96.1	23.41	36.437
96.28	23.414	36.228

96.48	23.416	36.04
96.68		35.881
96.88	23.415	35.741
97.08	23.413	35.617
97.28	23.41	35.504
97.48	23.406	35.401
97.68	23.401	35.304
97.88	23.396	35.214
98.	23.393	35.163
98.02		35.154
98.04	23.392	35.145
98.1	23.391	35.12
98.28	23.386	35.049
98.48	23.38	34.973
98.68	23.374	34.956
98.88	23.368	34.95
99.08	23.362	34.945
99.28	23.356	34.94
99.48	23.35	34.935
99.68	23.344	34.93
99.88	23.338	34.925
100.	23.335	34.922
100.02	23.334	34.921
100.04		
100.1	23.332	34.919
100.28	23.327	34.915
100.48	23.321	34.91
100.68	23.316	34.905
100.88	23.311	34.901
101.08	23.306	34.896
101.28	23.301	34.892
101.48	23.296	34.887
101.68	23.291	34.882
101.88	23.286	34.878
102.	23.283	34.875
102.02		
102.04	23.282	34.874
102.09	23.281	34.873
102.2	23.279	34.892
102.4	23.275	34.951
102.57	23.273	35.012
102.74	23.271	35.083
102.94		35.241
103.14	23.272	35.672
103.34	23.275	36.145
103.54	23.281	36.655
103.74	23.288	37.201
103.87	23.295	37.574
104.	23.302	37.96
104.02	23.303	38.014
104.04	23.304	38.065
104.1	23.308	38.186
104.28	23.32	38.384
104.48	23.335	38.467
104.68	23.351	38.449
104.88	23.366	38.35
105.08	23.382	38.183
105.28	23.396	37.958
105.48	23.409	37.681
105.68	23.42	37.356
105.83	23.427	37.08
105.92	23.431	36.923
106.	23.434	36.759
106.02	23.435	36.722
106.04		36.686
106.1	23.437	36.592

106.28	23.441	36.374
106.48	23.444	36.179
106.68	23.445	36.015
106.88	23.444	35.872
107.08	23.442	35.745
107.28	23.439	35.63
107.48	23.435	35.525
107.68	23.43	35.512
107.88	23.425	35.506
108.	23.422	35.503
108.02	23.421	35.502
108.04		
108.1	23.419	35.5
108.28	23.414	35.495
108.48	23.408	35.49
108.68	23.402	35.485
108.88	23.396	35.479
109.08	23.389	35.474
109.28	23.383	35.469
109.48	23.377	35.464
109.68	23.371	35.459
109.88	23.365	35.455
110.	23.362	35.452
110.02	23.361	35.451
110.04	23.36	
110.1	23.359	35.449
110.28	23.353	35.445
110.48	23.348	35.44
110.68	23.342	35.436
110.88	23.337	35.431
111.08	23.331	35.427
111.28	23.326	35.422
111.48	23.321	35.418
111.68	23.316	35.413
111.88	23.311	35.409
112.	23.308	35.406
112.02		
112.04	23.307	35.405
112.1	23.306	35.404
112.28	23.302	35.4
112.48	23.297	35.396
112.68	23.293	35.392
112.88	23.289	35.388
113.08	23.284	35.383
113.28	23.28	35.379
113.48	23.276	35.375
113.68	23.272	35.371
113.88	23.268	35.367
114.	23.266	35.365
114.02		35.364
114.04	23.265	
114.08		35.363
114.16	23.263	35.372
114.33	23.261	35.417
114.47	23.259	35.463
114.61	23.257	35.515
114.81		35.603
115.01	23.258	35.702
115.21	23.26	35.81
115.41	23.265	36.155
115.61	23.272	36.685
115.81	23.281	37.25
116.	23.292	37.818
116.02	23.293	37.873
116.04	23.295	37.924
116.1	23.298	38.047

116.28	23.311	38.25
116.48	23.327	38.339
116.68	23.343	38.325
116.88	23.359	38.231
117.08	23.375	38.07
117.28	23.39	37.849
117.48	23.404	37.576
117.68	23.415	37.256
117.83	23.423	36.987
117.92	23.427	36.83
118.	23.43	36.666
118.02	23.431	36.629
118.04		36.594
118.1	23.434	36.501
118.28	23.438	36.287
118.48	23.441	36.096
118.68	23.442	36.054
118.88		36.041
119.08	23.44	36.032
119.28	23.438	36.023
119.48	23.434	36.016
119.68	23.43	36.009
119.88	23.425	36.004
120.	23.422	36.001
120.02		36.
120.04	23.421	35.999
120.1	23.42	35.998
120.28	23.415	35.993
120.48	23.409	35.988
120.68	23.403	35.983
120.88	23.398	35.978
121.08	23.392	35.974
121.28	23.386	35.969
121.48	23.38	35.965
121.68	23.374	35.96
121.88	23.369	35.956
122.	23.366	35.954
122.02	23.365	35.953
122.04	23.364	
122.1	23.363	35.951
122.28	23.358	35.948
122.48	23.353	35.944
122.68	23.347	35.94
122.88	23.342	35.936
123.08	23.337	35.932
123.28	23.333	35.928
123.48	23.328	35.924
123.68	23.323	35.92
123.88	23.319	35.916
124.	23.316	35.914
124.02		
124.04	23.315	35.913
124.1	23.314	35.912
124.28	23.31	35.909
124.48	23.306	35.905
124.68	23.302	35.902
124.88	23.298	35.898
125.08	23.294	35.894
125.28	23.29	35.891
125.48	23.286	35.887
125.68	23.283	35.884
125.88	23.279	35.88
126.	23.277	35.878
126.02		
126.04		
126.1	23.276	35.877

126.28	23.272	35.874
126.48	23.269	35.87
126.68	23.266	35.867
126.88	23.263	35.864
127.08	23.26	35.86
127.28	23.257	35.857
127.48	23.254	35.854
127.68	23.251	35.851
127.88	23.248	35.848
128.	23.247	35.846
128.02	23.246	35.845
128.04		
128.1	23.245	35.844
128.28	23.243	35.841
128.48	23.24	35.838
128.68	23.238	35.835
128.88	23.235	35.832
129.08	23.233	35.829
129.28	23.23	35.826
129.48	23.228	35.823
129.68	23.226	35.82
129.88	23.224	35.817
130.	23.222	35.815
130.02		
130.04		
130.1	23.221	35.814
130.28	23.219	35.811
130.48	23.217	35.808
130.68	23.215	35.806
130.88	23.213	35.803
131.08	23.211	35.8
131.28	23.209	35.797
131.48	23.207	35.794
131.68	23.205	35.792
131.88	23.203	35.789
132.	23.202	35.787
132.02		
132.04		
132.1	23.201	35.786
132.28	23.2	35.783
132.48	23.198	35.781
132.68	23.196	35.778
132.88	23.195	35.775
133.08	23.193	35.772
133.28	23.192	35.77
133.48	23.19	35.767
133.68	23.188	35.765
133.88	23.187	35.762
134.	23.186	35.76
134.02		
134.04		
134.1	23.185	35.759
134.28	23.184	35.757
134.48	23.182	35.754
134.68	23.181	35.752
134.88	23.18	35.749
135.08	23.178	35.747
135.28	23.177	35.744
135.48	23.176	35.742
135.68	23.174	35.739
135.88	23.173	35.737
136.	23.172	35.735
136.02		
136.04		
136.1		35.734
136.28	23.17	35.732

136.48	23.169	35.729
136.68	23.168	35.727
136.88	23.167	35.724
137.08	23.166	35.722
137.28	23.164	35.719
137.48	23.163	35.717
137.68	23.162	35.715
137.88	23.161	35.712
138.	23.16	35.711
138.02		
138.04		35.71
138.1		
138.28	23.159	35.707
138.48	23.158	35.705
138.68	23.157	35.703
138.88	23.156	35.7
139.08	23.155	35.698
139.28	23.153	35.695
139.48	23.152	35.693
139.68	23.151	35.69
139.88	23.15	35.687
140.		35.686
140.02		
140.04	23.149	35.685
140.1		
140.28	23.148	35.682
140.48	23.147	35.68
140.68	23.146	35.677
140.88	23.145	35.674
141.08	23.144	35.671
141.28	23.143	35.669
141.48	23.142	35.666
141.68	23.141	35.663
141.88	23.14	35.661
142.	23.139	35.659
142.02		
142.04		
142.1		35.658
142.28	23.138	35.655
142.48	23.137	35.653
142.68	23.136	35.65
142.88	23.135	35.648
143.08	23.134	35.645
143.28	23.133	35.643
143.48	23.132	35.64
143.68	23.131	35.638
143.88	23.13	35.636
144.		35.634
144.02		
144.04		
144.1	23.129	35.633
144.28		35.631
144.48	23.128	35.629
144.68	23.127	35.627
144.88	23.126	35.625
145.08	23.125	35.623
145.28		35.62
145.48	23.124	35.618
145.68	23.123	35.616
145.88		35.614
146.	23.122	35.613
146.02		
146.04		35.612
146.1		
146.28	23.121	35.61
146.48		35.608

146.68	23.12	35.606
146.88	23.119	35.603
147.08	23.118	35.601
147.28		35.599
147.48	23.117	35.597
147.68	23.116	35.594
147.88	23.115	35.592
148.		35.59
148.02		
148.04		
148.1	23.114	35.589
148.28		35.587
148.48	23.113	35.584
148.68	23.112	35.582
148.88	23.111	35.58
149.08		35.577
149.28	23.11	35.575
149.48	23.109	35.572
149.68	23.108	35.57
149.88		35.567
150.	23.107	35.566
150.02		35.565
150.04		
150.1		35.564
150.28	23.106	35.562
150.48	23.105	35.56
150.68		35.557
150.88	23.104	35.555
151.08	23.103	35.552
151.28	23.102	35.55
151.48		35.547
151.68	23.101	35.545
151.88	23.1	35.542
152.		35.541
152.02		
152.04	23.099	35.54
152.1		
152.28		35.537
152.48	23.098	35.535
152.68	23.097	35.532
152.88	23.096	35.53
153.08		35.527
153.28	23.095	35.525
153.48	23.094	35.522
153.68	23.093	35.52
153.88		35.517
154.	23.092	35.516
154.02		35.515
154.04		
154.1		35.514
154.28	23.091	35.512
154.48		35.509
154.68	23.09	35.507
154.88	23.089	35.504
155.08	23.088	35.502
155.28		35.499
155.48	23.087	35.497
155.68	23.086	35.494
155.88		35.492
156.	23.085	35.49
156.02		
156.04		
156.1		35.489
156.28	23.084	35.487
156.48	23.083	35.484
156.68		35.481

156.88	23.082	35.479
157.08		35.511
157.18		35.576
157.27		35.662
157.37	23.083	35.763
157.55	23.087	36.013
157.75	23.095	36.325
157.88	23.102	36.533
158.	23.111	37.019
158.02	23.112	37.171
158.04	23.114	37.309
158.1	23.119	37.622
158.28	23.137	37.988
158.48	23.159	37.908
158.68	23.182	37.457
158.82	23.199	36.974
158.92	23.21	36.568
159.02	23.221	36.405
159.12	23.231	36.344
159.27	23.245	36.284
159.46	23.26	36.23
159.66	23.273	36.191
159.86	23.282	36.162
160.	23.287	36.147
160.01		36.146
160.02	23.288	36.145
160.05	23.289	36.143
160.14	23.291	36.135
160.24	23.294	36.128
160.34	23.295	36.123
160.44	23.297	36.118
160.54		36.113
160.64	23.298	36.109
160.74		36.106
160.84		36.103
160.94	23.297	36.101
161.		36.099
161.01		
161.02		
161.05	23.296	36.098
161.14	23.295	36.096
161.24	23.294	36.094
161.34	23.293	36.092
161.44	23.291	36.09
161.54	23.29	36.088
161.64	23.288	36.086
161.74	23.286	36.084
161.84	23.284	36.082
161.94	23.282	36.08
162.	23.281	36.078
162.01		
162.02		
162.05	23.28	36.077
162.14	23.278	36.075
162.24	23.276	36.073
162.34	23.274	36.071
162.44	23.271	36.069
162.54	23.269	36.067
162.64	23.267	36.065
162.74	23.265	36.063
162.84	23.263	36.061
162.94	23.26	36.059
163.	23.259	36.058
163.01		
163.02	23.258	36.057
163.05		

163.14	23.256	36.055
163.24	23.254	36.053
163.34	23.251	36.051
163.44	23.249	36.049
163.54	23.247	36.047
163.64	23.245	36.045
163.74	23.242	36.043
163.84	23.24	36.041
163.94	23.238	36.039
164.	23.237	36.038
164.01		
164.02	23.236	36.037
164.05		
164.14	23.234	36.035
164.24	23.232	36.033
164.34	23.23	36.031
164.44	23.228	36.029
164.54	23.226	36.027
164.64	23.224	36.025
164.74	23.222	36.023
164.84	23.22	36.022
164.94	23.218	36.02
165.	23.217	36.018
165.01	23.216	
165.02		
165.05		
165.14	23.214	36.016
165.24	23.212	36.014
165.34	23.21	36.012
165.44	23.208	36.01
165.54	23.207	36.008
165.64	23.205	36.006
165.74	23.203	36.005
165.84	23.201	36.003
165.94	23.2	36.001
166.	23.199	36.
166.01	23.198	35.999
166.02		
166.05		
166.14	23.196	35.997
166.24	23.195	35.995
166.34	23.193	35.993
166.44	23.191	35.992
166.54	23.19	35.99
166.64	23.188	35.988
166.74	23.186	35.986
166.84	23.185	35.984
166.94	23.183	35.982
167.	23.182	35.981
167.01		
167.02		
167.05		35.98
167.14	23.18	35.979
167.24	23.179	35.977
167.34	23.177	35.975
167.44	23.176	35.973
167.54	23.175	35.972
167.64	23.173	35.97
167.74	23.172	35.968
167.84	23.17	35.966
167.94	23.169	35.965
168.	23.168	35.964
168.01		35.963
168.02		
168.05		
168.14	23.166	35.961

168.24	23.165	35.959
168.34	23.164	35.958
168.44	23.163	35.956
168.54	23.161	35.954
168.64	23.16	35.952
168.74	23.159	35.951
168.84	23.158	35.949
168.94	23.156	35.947
169.		35.946
169.01		
169.02	23.155	
169.03		
169.06		35.945
169.11	23.154	35.969
169.2		36.054
169.3	23.153	36.16
169.4	23.154	36.283
169.5	23.155	36.422
169.6	23.156	36.574
169.7	23.159	36.738
169.8	23.163	36.914
169.9	23.168	37.232
170.	23.174	38.108
170.01	23.175	38.194
170.02		38.276
170.05	23.178	38.49
170.14	23.185	38.914
170.24	23.194	39.184
170.34	23.205	39.295
170.44	23.216	39.275
170.54	23.228	39.143
170.64	23.24	38.913
170.74	23.253	38.596
170.84	23.265	38.198
170.94	23.277	37.737
171.	23.284	37.42
171.01	23.285	37.371
171.02	23.287	37.323
171.05	23.29	37.192
171.14	23.3	36.876
171.24	23.31	36.821
171.34	23.32	36.784
171.44	23.328	36.753
171.54	23.336	36.727
171.64	23.343	36.706
171.74	23.348	36.689
171.84	23.353	36.674
171.94	23.357	36.662
172.	23.359	36.655
172.01	23.36	36.654
172.02		36.653
172.05	23.361	36.651
172.14	23.363	36.643
172.24	23.365	36.636
172.34	23.367	36.63
172.44		36.625
172.54	23.368	36.62
172.64		36.616
172.74	23.367	36.612
172.84		36.61
172.94	23.365	36.607
173.		36.605
173.01		
173.02		36.604
173.05	23.364	
173.14	23.363	36.601

173.24	23.361	36.599
173.34	23.359	36.596
173.44	23.357	36.594
173.54	23.355	36.591
173.64	23.353	36.589
173.74	23.35	36.587
173.84	23.348	36.584
173.94	23.345	36.582
174.	23.344	36.58
174.01	23.343	
174.02		
174.05	23.342	36.579
174.14	23.34	36.577
174.24	23.337	36.575
174.34	23.335	36.572
174.44	23.332	36.57
174.54	23.329	36.568
174.64	23.326	36.565
174.74	23.324	36.563
174.84	23.321	36.561
174.94	23.318	36.558
175.	23.316	36.557
175.01		
175.02		36.556
175.03		
175.06	23.315	
175.12	23.313	36.591
175.17	23.312	36.636
175.25	23.31	36.716
175.35	23.309	36.832
175.45	23.308	36.963
175.55	23.307	37.109
175.65	23.308	37.267
175.75	23.31	37.454
175.85	23.313	38.272
175.95	23.317	39.144
176.	23.319	39.554
176.01	23.32	39.64
176.02		39.721
176.05	23.322	39.931
176.14	23.328	40.345
176.24	23.336	40.603
176.34	23.345	40.702
176.44	23.355	40.669
176.54	23.365	40.525
176.64	23.376	40.282
176.74	23.387	39.951
176.84	23.398	39.54
176.94	23.409	39.066
177.	23.415	38.741
177.01	23.417	38.69
177.02	23.418	38.641
177.05	23.421	38.506
177.14	23.429	38.179
177.24	23.438	37.88
177.34	23.447	37.627
177.44	23.454	37.408
177.54	23.46	37.328
177.64	23.466	37.307
177.74	23.47	37.289
177.84	23.474	37.274
177.94	23.477	37.261
178.	23.478	37.254
178.01	23.479	37.253
178.02		37.252
178.05	23.48	37.249

178.14	23.481	37.241
178.24	23.482	37.234
178.34		37.227
178.44		37.221
178.54	23.481	37.216
178.64	23.48	37.211
178.74	23.478	37.207
178.84	23.477	37.203
178.94	23.475	37.2
179.	23.473	37.198
179.01		
179.02		37.197
179.05	23.472	37.196
179.14	23.47	37.193
179.24	23.467	37.19
179.34	23.464	37.187
179.44	23.461	37.184
179.54	23.458	37.182
179.64	23.455	37.179
179.74	23.452	37.176
179.84	23.448	37.173
179.94	23.445	37.17
180.	23.443	37.169
180.01	23.442	37.168
180.02		
180.04	23.441	
180.07	23.44	37.176
180.14	23.438	37.224
180.21	23.436	37.281
180.27	23.434	37.347
180.37	23.432	37.464
180.47	23.43	37.598
180.57	23.429	37.745
180.67		38.102
180.77	23.43	38.859
180.87	23.432	39.673
180.94	23.434	40.219
181.	23.437	40.788
181.01		40.872
181.02		40.952
181.05	23.439	41.158
181.14	23.444	41.562
181.24	23.451	41.809
181.34	23.459	41.897
181.44	23.468	41.854
181.54	23.477	41.7
181.64	23.487	41.448
181.74	23.497	41.108
181.84	23.507	40.689
181.94	23.517	40.205
182.	23.523	39.877
182.01	23.524	39.825
182.02	23.525	39.775
182.05	23.528	39.638
182.14	23.536	39.304
182.24	23.544	38.997
182.34	23.551	38.736
182.44	23.557	38.508
182.54	23.563	38.307
182.64	23.568	38.127
182.74	23.571	37.963
182.84	23.574	37.872
182.94	23.576	37.859
183.	23.577	37.852
183.01		37.851
183.02		37.85

183.05	23.578	37.846
183.14		37.838
183.24		37.83
183.34		37.823
183.44	23.577	37.817
183.54	23.575	37.811
183.64	23.573	37.806
183.74	23.571	37.801
183.84	23.569	37.797
183.94	23.566	37.793
184.	23.564	37.791
184.01		
184.02	23.563	37.79
184.05	23.562	37.789
184.14	23.56	37.786
184.24	23.556	37.782
184.34	23.553	37.779
184.44	23.549	37.776
184.54	23.545	37.772
184.64	23.541	37.769
184.74	23.537	37.766
184.84	23.533	37.762
184.94	23.529	37.759
185.	23.527	37.757
185.01	23.526	
185.02		
185.05	23.525	37.756
185.14	23.521	37.753
185.24	23.517	37.75
185.34	23.513	37.747
185.44	23.508	37.743
185.54	23.504	37.74
185.64	23.5	37.737
185.74	23.496	37.734
185.84	23.492	37.731
185.94	23.488	37.728
186.	23.485	37.726
186.01		
186.02		
186.05	23.483	37.725
186.14	23.48	37.722
186.24	23.476	37.719
186.34	23.472	37.716
186.44	23.468	37.713
186.54	23.464	37.71
186.64	23.46	37.707
186.74	23.456	37.704
186.84	23.453	37.702
186.94	23.449	37.699
187.	23.447	37.697
187.01	23.446	
187.02		37.696
187.05	23.445	37.695
187.14	23.441	37.693
187.24	23.438	37.69
187.34	23.434	37.687
187.44	23.431	37.684
187.54	23.427	37.682
187.64	23.424	37.679
187.74	23.421	37.676
187.84	23.417	37.673
187.94	23.414	37.671
188.	23.412	37.669
188.01		
188.02	23.411	37.668
188.03		

188.06	23.41	37.667
188.12	23.408	37.707
188.19	23.406	37.756
188.27	23.404	37.845
188.37	23.402	37.963
188.47	23.401	38.097
188.57	23.4	38.245
188.67	23.401	38.405
188.77	23.402	38.833
188.87	23.405	39.661
188.94	23.408	40.206
189.	23.41	40.772
189.01	23.411	40.857
189.02		40.938
189.05	23.413	41.148
189.14	23.419	41.56
189.24	23.426	41.817
189.34	23.435	41.915
189.44	23.444	41.881
189.54	23.454	41.735
189.64	23.465	41.491
189.74	23.476	41.158
189.84	23.487	40.746
189.94	23.497	40.273
190.	23.504	39.945
190.01	23.505	39.894
190.02	23.506	39.845
190.05	23.509	39.709
190.14	23.517	39.381
190.24	23.526	39.08
190.34	23.534	38.825
190.44	23.541	38.604
190.54	23.547	38.427
190.64	23.553	38.405
190.74	23.557	38.386
190.84	23.561	38.371
190.94	23.563	38.358
191.	23.565	38.351
191.01		38.35
191.02		38.349
191.05	23.566	38.346
191.14	23.567	38.338
191.24		38.33
191.34		38.323
191.44		38.317
191.54	23.566	38.312
191.64	23.565	38.307
191.74	23.563	38.302
191.84	23.561	38.298
191.94	23.559	38.295
192.	23.558	38.293
192.01	23.557	38.292
192.02		
192.05	23.556	38.291
192.14	23.554	38.288
192.24	23.551	38.284
192.34	23.548	38.281
192.44	23.545	38.278
192.54	23.542	38.275
192.64	23.538	38.271
192.74	23.535	38.268
192.84	23.531	38.265
192.94	23.528	38.262
193.	23.526	38.26
193.01	23.525	
193.02		

193.05	23.524	38.259
193.14	23.521	38.256
193.24	23.517	38.253
193.34	23.513	38.25
193.44	23.51	38.247
193.54	23.506	38.244
193.64	23.502	38.241
193.74	23.499	38.238
193.84	23.495	38.235
193.94	23.491	38.232
194.	23.489	38.23
194.01		
194.02	23.488	38.229
194.05	23.487	38.228
194.14	23.484	38.226
194.24	23.481	38.223
194.34	23.477	38.22
194.44	23.473	38.217
194.54	23.47	38.214
194.64	23.467	38.211
194.74	23.463	38.208
194.84	23.46	38.206
194.94	23.456	38.203
195.	23.454	38.201
195.01		
195.02		
195.05	23.453	38.2
195.14	23.45	38.197
195.24	23.447	38.194
195.34	23.443	38.192
195.44	23.44	38.189
195.54	23.437	38.186
195.64	23.434	38.183
195.74	23.431	38.181
195.84	23.428	38.178
195.94	23.425	38.175
196.	23.423	38.174
196.01		38.173
196.02		
196.05	23.422	38.172
196.14	23.419	38.17
196.24	23.416	38.167
196.34	23.413	38.165
196.44	23.411	38.162
196.54	23.408	38.159
196.64	23.405	38.157
196.74	23.403	38.154
196.84	23.4	38.152
196.94	23.397	38.149
197.	23.396	38.148
197.01	23.395	38.147
197.02		
197.05	23.394	38.146
197.14	23.392	38.144
197.24	23.39	38.141
197.34	23.387	38.139
197.44	23.385	38.136
197.54	23.382	38.134
197.64	23.38	38.131
197.74	23.378	38.129
197.84	23.375	38.127
197.94	23.373	38.124
198.	23.372	38.123
198.01	23.371	38.122
198.02		
198.03		

198.06	23.37	38.121
198.12	23.369	38.156
198.18	23.368	38.203
198.26	23.367	38.289
198.36	23.366	38.408
198.46	23.365	38.544
198.56	23.366	38.693
198.66	23.367	38.856
198.76	23.369	39.031
198.86	23.373	39.514
198.96	23.378	40.415
199.	23.38	40.776
199.01	23.381	40.866
199.02	23.382	40.954
199.05	23.383	41.205
199.14	23.39	41.866
199.24	23.4	42.522
199.34	23.41	43.118
199.44	23.423	43.67
199.54	23.436	44.184
199.64	23.451	44.669
199.74	23.468	45.128
199.84	23.485	45.566
199.94	23.504	45.984
200.	23.515	46.228
200.01	23.517	46.269
200.02	23.519	46.309
200.05	23.525	46.429
200.14	23.543	46.774
200.24	23.564	47.145
200.34	23.586	47.502
200.44	23.608	47.848
200.54	23.631	48.183
200.64	23.654	48.509
200.74	23.677	48.826
200.84	23.701	49.134
200.94	23.724	49.435
201.	23.739	49.612
201.01	23.741	49.642
201.02	23.743	49.671
201.05	23.751	49.759
201.14	23.772	50.018
201.24	23.796	50.299
201.34	23.82	50.574
201.44	23.845	50.844
201.54	23.869	51.108
201.64	23.893	51.368
201.74	23.917	51.624
201.84	23.94	51.875
201.94	23.964	52.121
202.	23.978	52.268
202.01	23.981	52.29
202.02	23.983	52.309
202.05	23.99	52.348
202.14	24.011	52.328
202.24	24.034	52.176
202.34	24.056	51.915
202.44	24.077	51.561
202.54	24.097	51.126
202.64	24.117	50.617
202.74	24.135	50.04
202.84	24.151	49.401
202.94	24.167	48.702
203.	24.175	48.263
203.01	24.176	48.192
203.02	24.178	48.122

	24.182	47.928
203.14	24.192	47.436
203.24	24.203	46.966
203.34	24.211	46.554
203.44	24.218	46.184
203.54	24.223	45.85
203.64	24.227	45.544
203.74	24.229	45.261
203.84	24.23	44.999
203.94		44.755
204.	24.229	44.614
204.01		44.591
204.02		44.567
204.05	24.228	44.499
204.14	24.226	44.306
204.24	24.223	44.103
204.34	24.218	43.911
204.44	24.214	43.729
204.54	24.208	43.556
204.64	24.202	43.391
204.74	24.195	43.233
204.84	24.188	43.082
204.94	24.181	42.937
205.	24.177	42.853
205.01	24.176	42.838
205.02	24.175	42.824
205.05	24.173	42.783
205.14	24.166	42.663
205.24	24.157	42.534
205.34	24.149	42.41
205.44	24.141	42.291
205.54	24.132	42.175
205.64	24.123	42.063
205.74	24.115	41.955
205.84	24.106	41.85
205.94	24.097	41.748
206.	24.092	41.688
206.01	24.091	41.678
206.02	24.09	41.668
206.05	24.087	41.639
206.14	24.079	41.552
206.24	24.071	41.459
206.34	24.062	41.368
206.44	24.053	41.28
206.54	24.045	41.194
206.64	24.036	41.11
206.74	24.027	41.028
206.84	24.019	40.948
206.94	24.01	40.87
207.	24.005	40.824
207.01		40.819
207.02	24.004	40.817
207.05	24.001	40.828
207.11	23.996	40.917
207.21	23.989	41.203
207.31	23.982	41.586
207.4	23.975	42.061
207.5	23.97	42.635
207.6	23.965	43.285
207.7	23.961	44.003
207.8	23.958	44.786
207.9	23.957	45.627
208.		46.488
208.01		46.576
208.02	23.958	46.661
208.05		46.903

208.14	23.96	47.537
208.24	23.964	48.161
208.34	23.97	48.725
208.44	23.977	49.244
208.54	23.986	49.725
208.64	23.996	50.177
208.74	24.008	50.603
208.84	24.021	51.006
208.94	24.035	51.391
209.	24.043	51.615
209.01	24.045	51.65
209.02	24.046	51.682
209.05	24.051	51.757
209.14	24.065	51.837
209.24	24.081	51.785
209.34	24.098	51.614
209.44	24.114	51.343
209.54	24.13	50.982
209.64	24.146	50.54
209.74	24.161	50.025
209.84	24.175	49.441
209.94	24.188	48.793
210.	24.195	48.383
210.01	24.196	48.319
210.02	24.198	48.259
210.05	24.201	48.113
210.14	24.211	47.897
210.24	24.22	47.86
210.34	24.229	47.982
210.44	24.237	48.236
210.54	24.244	48.601
210.64	24.251	49.064
210.74	24.258	49.614
210.84	24.264	50.243
210.94	24.271	50.944
211.	24.275	51.389
211.01	24.276	51.461
211.02	24.277	51.532
211.05	24.279	51.73
211.14	24.286	52.243
211.24	24.294	52.743
211.34	24.303	53.192
211.44	24.313	53.604
211.54	24.324	53.986
211.64	24.335	54.345
211.74	24.348	54.683
211.84	24.361	55.005
211.94	24.375	55.313
212.	24.383	55.492
212.01	24.385	55.522
212.02	24.386	55.552
212.05	24.39	55.64
212.14	24.404	55.896
212.24	24.42	56.171
212.34	24.436	56.438
212.44	24.452	56.697
212.54	24.469	56.949
212.64	24.486	57.195
212.74	24.503	57.435
212.84	24.521	57.67
212.94	24.538	57.899
213.	24.549	58.035
213.01	24.551	58.058
213.02	24.553	58.08
213.05	24.558	58.148
213.14	24.574	58.345

	24.592	58.561
213.34	24.61	58.772
213.44	24.628	58.979
213.54	24.645	59.182
213.64	24.663	59.383
213.74	24.681	59.58
213.84	24.699	59.774
213.94	24.717	59.965
214.	24.727	60.078
214.01	24.729	60.097
214.02	24.731	60.116
214.05	24.736	60.174
214.14	24.752	60.35
214.24	24.769	60.548
214.34	24.787	60.748
214.44	24.804	60.949
214.54	24.821	61.151
214.64	24.838	61.353
214.74	24.855	61.556
214.84	24.872	61.759
214.94	24.889	61.963
215.	24.899	62.085
215.01	24.901	62.105
215.02	24.903	62.125
215.05	24.908	62.185
215.14	24.923	62.359
215.24	24.939	62.547
215.34	24.956	62.731
215.44	24.972	62.911
215.54	24.989	63.088
215.64	25.005	63.262
215.74	25.021	63.434
215.84	25.037	63.603
215.94	25.053	63.77
216.	25.063	63.869
216.01	25.064	63.885
216.02	25.066	63.902
216.05	25.071	63.949
216.14	25.085	64.085
216.24	25.101	64.227
216.34	25.116	64.363
216.44	25.132	64.493
216.54	25.147	64.617
216.64	25.162	64.737
216.74	25.177	64.851
216.84	25.191	64.962
216.94	25.206	65.068
217.	25.215	65.131
217.01	25.216	65.141
217.02	25.218	65.152
217.05	25.222	65.186
217.14	25.235	65.296
217.24	25.249	65.426
217.34	25.262	65.562
217.44	25.276	65.703
217.54	25.29	65.848
217.64	25.303	65.996
217.74	25.316	66.147
217.84	25.329	66.301
217.94	25.342	66.456
218.	25.35	66.551
218.01	25.351	66.566
218.02	25.353	66.582
218.05	25.357	66.628
218.14	25.368	66.763
218.24	25.381	66.909

	25.393	67.053
218.44	25.406	67.195
218.54	25.419	67.336
218.64	25.431	67.475
218.74	25.443	67.612
218.84	25.456	67.749
218.94	25.468	67.884
219.	25.475	67.965
219.01	25.476	67.976
219.02	25.478	67.984
219.05	25.481	67.989
219.14	25.492	67.862
219.24	25.503	67.586
219.34	25.514	67.199
219.44	25.524	66.718
219.54	25.534	66.152
219.64	25.542	65.512
219.74	25.549	64.803
219.84	25.555	64.03
219.94	25.56	63.198
220.		62.678
220.01	25.562	62.596
220.02		62.518
220.05	25.563	62.322
220.14	25.564	61.966
220.24	25.565	61.79
220.34	25.564	61.785
220.44	25.562	61.922
220.54	25.56	62.179
220.64	25.556	62.543
220.74	25.553	63.001
220.84	25.549	63.546
220.94	25.546	64.169
221.		64.57
221.01	25.544	64.635
221.02		64.698
221.05	25.543	64.873
221.14	25.541	65.317
221.24		65.739
221.34	25.539	66.111
221.44		66.447
221.54	25.54	66.754
221.64	25.542	67.04
221.74	25.545	67.306
221.84	25.549	67.558
221.94	25.554	67.797
222.	25.557	67.935
222.01	25.558	67.958
222.02	25.559	67.981
222.05	25.56	68.047
222.14	25.566	68.231
222.24	25.573	68.421
222.34	25.58	68.598
222.44	25.588	68.764
222.54	25.597	68.921
222.64	25.606	69.068
222.74	25.615	69.208
222.84	25.624	69.34
222.94	25.634	69.465
223.	25.64	69.538
223.01	25.641	69.55
223.02	25.642	69.562
223.05	25.645	69.599
223.14	25.653	69.71
223.24	25.663	69.834
223.34	25.673	69.957

223.44	25.684	70.079
223.54	25.694	70.2
223.64	25.704	70.319
223.74	25.714	70.437
223.84	25.724	70.554
223.94	25.734	70.669
224.	25.74	70.738
224.01	25.741	70.749
224.02	25.742	70.761
224.05	25.745	70.796
224.14	25.755	70.908
224.24	25.765	71.035
224.34	25.775	71.166
224.44	25.785	71.3
224.54	25.795	71.435
224.64	25.804	71.573
224.74	25.814	71.712
224.84	25.824	71.853
224.94	25.834	71.995
225.	25.84	72.081
225.01	25.841	72.095
225.02	25.842	72.109
225.05	25.845	72.15
225.14	25.854	72.268
225.24	25.864	72.395
225.34	25.874	72.516
225.44	25.884	72.635
225.54	25.893	72.75
225.64	25.903	72.863
225.74	25.913	72.973
225.84	25.923	73.081
225.94	25.933	73.188
226.	25.938	73.25
226.01	25.939	73.263
226.02	25.94	73.279
226.05	25.943	73.342
226.14	25.952	73.659
226.24	25.963	74.131
226.34	25.973	74.702
226.44	25.984	75.356
226.54	25.996	76.085
226.64	26.008	76.879
226.74	26.022	77.734
226.84	26.036	78.645
226.94	26.052	79.608
227.	26.062	80.204
227.01	26.063	80.301
227.02	26.065	80.397
227.05	26.07	80.669
227.14	26.087	81.399
227.24	26.106	82.131
227.34	26.127	82.807
227.44	26.149	83.437
227.54	26.172	84.03
227.64	26.197	84.594
227.74	26.223	85.132
227.84	26.249	85.647
227.94	26.277	86.143
228.	26.294	86.434
228.01	26.297	86.483
228.02	26.3	86.531
228.05	26.308	86.673
228.14	26.334	87.088
228.24	26.364	87.533
228.34	26.395	87.965
228.44	26.425	88.384

	26.456	88.792
228.64	26.488	89.189
228.74	26.519	89.576
228.84	26.551	89.955
228.94	26.583	90.324
229.	26.602	90.543
229.01	26.605	90.577
229.02	26.608	90.609
229.05	26.618	90.685
229.14	26.646	90.784
229.24	26.677	90.767
229.34	26.708	90.646
229.44	26.738	90.435
229.54	26.767	90.144
229.64	26.796	89.781
229.74	26.823	89.353
229.84	26.849	88.864
229.94	26.873	88.317
230.	26.887	87.969
230.01	26.89	87.913
230.02	26.892	87.858
230.05	26.899	87.709
230.14	26.918	87.343
230.24	26.938	87.008
230.34	26.956	86.725
230.44	26.973	86.482
230.54	26.988	86.27
230.64	27.001	86.083
230.74	27.014	85.918
230.84	27.024	85.77
230.94	27.034	85.638
231.	27.039	85.564
231.01	27.04	85.554
231.02	27.041	85.547
231.05	27.043	85.546
231.14	27.05	85.687
231.24	27.057	85.982
231.34	27.064	86.392
231.44	27.07	86.9
231.54	27.077	87.494
231.64	27.084	88.166
231.74	27.091	88.91
231.84	27.099	89.718
231.94	27.108	90.588
232.	27.113	91.131
232.01	27.114	91.217
232.02	27.115	91.299
232.05	27.118	91.51
232.14	27.128	91.922
232.24	27.139	92.175
232.34	27.152	92.266
232.44	27.164	92.224
232.54	27.178	92.069
232.64	27.192	91.815
232.74	27.206	91.472
232.84	27.219	91.049
232.94	27.233	90.553
233.	27.241	90.23
233.01	27.242	90.183
233.02	27.243	90.142
233.05	27.247	90.068
233.14	27.259	90.172
233.24	27.271	90.592
233.34	27.284	91.256
233.44	27.296	92.12
233.54	27.309	93.159

	27.323	94.35
233.74	27.337	95.679
233.84	27.353	97.133
233.94	27.37	98.704
234.	27.381	99.687
234.01	27.383	99.842
234.02	27.385	99.99
234.05	27.39	100.37
234.14	27.409	101.1
234.24	27.43	101.54
234.34	27.453	101.68
234.44	27.477	101.57
234.54	27.502	101.26
234.64	27.528	100.76
234.74	27.553	100.1
234.84	27.578	99.295
234.94	27.603	98.351
235.	27.617	97.738
235.01	27.619	97.641
235.02	27.622	97.55
235.05	27.628	97.319
235.14	27.648	96.895
235.24	27.669	96.666
235.34	27.689	96.621
235.44	27.707	96.724
235.54	27.724	96.948
235.64	27.74	97.277
235.74	27.755	97.698
235.84	27.77	98.201
235.94	27.783	98.778
236.	27.791	99.15
236.01	27.793	99.21
236.02	27.794	99.269
236.05	27.798	99.434
236.14	27.81	99.861
236.24	27.824	100.28
236.34	27.837	100.66
236.44	27.851	101.01
236.54	27.865	101.34
236.64	27.88	101.65
236.74	27.894	101.94
236.84	27.91	102.22
236.94	27.926	102.5
237.	27.935	102.66
237.01	27.937	102.68
237.02	27.938	102.71
237.05	27.943	102.79
237.14	27.958	103.02
237.24	27.975	103.26
237.34	27.991	103.5
237.44	28.009	103.73
237.54	28.026	103.96
237.64	28.043	104.18
237.74	28.061	104.39
237.84	28.078	104.6
237.94	28.096	104.81
238.	28.106	104.93
238.01	28.108	104.95
238.02	28.11	104.97
238.05	28.115	105.
238.14	28.131	104.97
238.24	28.148	104.83
238.34	28.165	104.59
238.44	28.181	104.27
238.54	28.196	103.88
238.64	28.211	103.43

	28.225	102.91
238.84	28.238	102.35
238.94	28.249	101.73
239.	28.255	101.34
239.01	28.256	101.28
239.02	28.257	101.21
239.05	28.26	101.04
239.14	28.268	100.61
239.24	28.276	100.19
239.34	28.282	99.821
239.44	28.286	99.492
239.54	28.29	99.193
239.64	28.292	98.918
239.74	28.293	98.665
239.84	28.292	98.43
239.94	28.291	98.21
240.	28.29	98.083
240.01		98.064
240.02	28.289	98.047
240.05		98.016
240.14	28.286	98.044
240.24	28.283	98.198
240.34	28.279	98.451
240.44	28.275	98.79
240.54	28.271	99.205
240.64	28.268	99.689
240.74	28.265	100.23
240.84	28.262	100.84
240.94	28.261	101.49
241.	28.26	101.91
241.01		101.97
241.02		102.04
241.05		102.22
241.14		102.7
241.24	28.262	103.16
241.34	28.265	103.57
241.44	28.268	103.94
241.54	28.273	104.29
241.64	28.279	104.61
241.74	28.286	104.91
241.84	28.294	105.19
241.94	28.302	105.46
242.	28.308	105.61
242.01	28.309	105.64
242.02	28.31	105.66
242.05	28.313	105.74
242.14	28.322	105.96
242.24	28.333	106.19
242.34	28.344	106.42
242.44	28.356	106.64
242.54	28.369	106.85
242.64	28.381	107.05
242.74	28.394	107.25
242.84	28.408	107.44
242.94	28.421	107.63
243.	28.429	107.74
243.01	28.431	107.76
243.02	28.432	107.78
243.05	28.436	107.83
243.14	28.449	107.99
243.24	28.462	108.16
243.34	28.476	108.33
243.44	28.491	108.5
243.54	28.505	108.66
243.64	28.519	108.81
243.74	28.533	108.97

243.84	28.547	109.12
243.94	28.561	109.27
244.	28.569	109.36
244.01	28.571	109.37
244.02	28.572	109.39
244.05	28.576	109.43
244.14	28.589	109.56
244.24	28.603	109.69
244.34	28.616	109.83
244.44	28.63	109.96
244.54	28.644	110.09
244.64	28.657	110.22
244.74	28.67	110.34
244.84	28.684	110.47
244.94	28.697	110.58
245.	28.705	110.66
245.01	28.706	110.67
245.02	28.707	
245.05	28.711	110.68
245.14	28.723	110.6
245.24	28.735	110.4
245.34	28.747	110.12
245.44	28.758	109.76
245.54	28.768	109.34
245.64	28.778	108.86
245.74	28.787	108.33
245.84	28.795	107.75
245.94	28.801	107.12
246.	28.805	106.73
246.01		106.66
246.02	28.806	106.6
246.05	28.808	106.42
246.14	28.811	105.97
246.24	28.814	105.53
246.34	28.816	105.14
246.44		104.78
246.54	28.815	104.46
246.64	28.813	104.15
246.74	28.81	103.87
246.84	28.806	103.6
246.94	28.801	103.35
247.	28.797	103.2
247.01		103.18
247.02	28.796	103.16
247.05	28.794	103.12
247.14	28.788	103.09
247.24	28.781	103.17
247.34	28.774	103.34
247.44	28.767	103.59
247.54	28.759	103.9
247.64	28.752	104.28
247.74	28.746	104.71
247.84	28.739	105.19
247.94	28.734	105.72
248.	28.731	106.05
248.01		106.1
248.02	28.73	106.15
248.05	28.729	106.27
248.14	28.725	106.46
248.24	28.722	106.51
248.34	28.72	106.44
248.44	28.718	106.27
248.54	28.716	106.
248.64	28.715	105.66
248.74	28.714	105.26
248.84	28.713	104.79

248.94	28.712	104.26
249.	28.711	103.93
249.01		103.87
249.02		103.82
249.05	28.71	103.67
249.14	28.709	103.3
249.24	28.706	102.93
249.34	28.703	102.61
249.44	28.7	102.32
249.54	28.695	102.05
249.64	28.69	101.8
249.74	28.685	101.57
249.84	28.678	101.35
249.94	28.671	101.14
250.	28.667	101.02
250.01	28.666	101.
250.02		100.98
250.05	28.663	100.92
250.14	28.656	100.74
250.24	28.648	100.56
250.34	28.639	100.38
250.44	28.63	100.21
250.54	28.621	100.04
250.64	28.611	99.874
250.74	28.601	99.714
250.84	28.591	99.559
250.94	28.581	99.406
251.	28.575	99.316
251.01	28.574	99.301
251.02	28.573	99.287
251.05	28.57	99.244
251.14	28.561	99.125
251.24	28.551	99.002
251.34	28.54	98.888
251.44	28.53	98.781
251.54	28.52	98.68
251.64	28.509	98.584
251.74	28.499	98.495
251.84	28.489	98.41
251.94	28.479	98.33
252.	28.473	98.283
252.01	28.472	98.276
252.02	28.471	98.268
252.05	28.468	98.244
252.14	28.459	98.17
252.24	28.45	98.086
252.34	28.44	98.001
252.44	28.431	97.916
252.54	28.421	97.832
252.64	28.412	97.747
252.74	28.403	97.663
252.84	28.395	97.58
252.94	28.386	97.497
253.	28.381	97.447
253.01	28.38	97.439
253.02	28.379	97.431
253.05	28.377	97.406
253.14	28.369	97.333
253.24	28.361	97.253
253.34	28.353	97.174
253.44	28.345	97.096
253.54	28.337	97.018
253.64	28.329	96.942
253.74	28.322	96.866
253.84	28.314	96.79
253.94	28.307	96.716

254.	28.302	96.672
254.01		96.666
254.02	28.301	96.662
254.05	28.299	96.664
254.14	28.292	96.762
254.24	28.286	96.961
254.34	28.28	97.233
254.44	28.274	97.569
254.54	28.269	97.959
254.64	28.264	98.4
254.74	28.261	98.885
254.84	28.258	99.413
254.94	28.256	99.981
255.	28.255	100.34
255.01		100.39
255.02		100.44
255.05		100.58
255.14		100.82
255.24	28.256	100.95
255.34	28.258	
255.44	28.26	100.87
255.54	28.263	100.7
255.64	28.266	100.45
255.74	28.27	100.15
255.84	28.274	99.786
255.94	28.277	99.37
256.	28.279	99.102
256.01	28.28	99.059
256.02		99.017
256.05	28.281	98.901
256.14	28.284	98.617
256.24	28.286	98.355
256.34	28.289	98.13
256.44	28.29	97.934
256.54	28.291	97.761
256.64	28.292	97.606
256.74		97.466
256.84	28.291	97.339
256.94	28.29	97.222
257.	28.289	97.156
257.01		97.146
257.02	28.288	97.135
257.05		97.102
257.14	28.286	97.008
257.24	28.284	96.907
257.34	28.281	96.81
257.44	28.278	96.716
257.54	28.274	96.626
257.64	28.271	96.54
257.74	28.267	96.456
257.84	28.263	96.375
257.94	28.259	96.297
258.	28.257	96.251
258.01		96.245
258.02	28.256	96.24
258.05	28.255	96.241
258.14	28.251	96.335
258.24	28.248	96.528
258.34	28.244	96.795
258.44	28.241	97.124
258.54	28.238	97.508
258.64	28.236	97.942
258.74	28.234	98.422
258.84		98.943
258.94		99.504
259.		99.854

259.01		99.911
259.02		99.967
259.05	28.235	100.12
259.14	28.236	100.53
259.24	28.239	100.94
259.34	28.243	101.3
259.44	28.248	101.64
259.54	28.254	101.95
259.64	28.261	102.24
259.74	28.269	102.51
259.84	28.278	102.77
259.94	28.287	103.02
260.	28.293	103.16
260.01	28.294	103.19
260.02	28.295	103.21
260.05	28.298	103.28
260.14	28.308	103.48
260.24	28.32	103.7
260.34	28.331	103.91
260.44	28.344	104.11
260.54	28.356	104.31
260.64	28.369	104.5
260.74	28.383	104.68
260.84	28.396	104.86
260.94	28.41	105.04
261.	28.418	105.14
261.01	28.42	105.16
261.02	28.421	105.17
261.05	28.425	105.2
261.14	28.438	105.19
261.24	28.451	105.09
261.34	28.465	104.91
261.44	28.478	104.67
261.54	28.491	104.38
261.64	28.503	104.03
261.74	28.514	103.64
261.84	28.525	103.2
261.94	28.535	102.72
262.	28.54	102.42
262.01	28.541	102.37
262.02	28.542	102.33
262.05	28.545	102.22
262.14	28.552	102.05
262.24	28.56	101.99
262.34	28.566	102.05
262.44	28.572	102.2
262.54	28.578	102.43
262.64	28.583	102.73
262.74	28.587	103.09
262.84	28.592	103.5
262.94	28.597	103.96
263.	28.599	104.26
263.01	28.6	104.3
263.02		104.35
263.05	28.602	104.45
263.14	28.606	104.62
263.24	28.612	104.67
263.34	28.617	104.6
263.44	28.622	104.45
263.54	28.628	104.22
263.64	28.633	103.93
263.74	28.638	103.58
263.84	28.644	103.17
263.94	28.648	102.71
264.	28.651	102.42
264.01		102.37

264.02	28.652	102.33
264.05	28.653	102.2
264.14	28.656	101.89
264.24	28.659	101.61
264.34	28.662	101.36
264.44	28.663	101.16
264.54	28.664	100.97
264.64	28.665	100.81
264.74	28.664	100.67
264.84	28.663	100.55
264.94	28.662	100.44
265.	28.661	100.37
265.01		100.36
265.02	28.66	100.35
265.05		100.32
265.14	28.658	100.24
265.24	28.655	100.16
265.34	28.652	100.09
265.44	28.648	100.03
265.54	28.645	99.975
265.64	28.641	99.927
265.74	28.637	99.885
265.84	28.634	99.85
265.94	28.63	99.821
266.	28.627	99.806
266.01		99.803
266.02		99.801
266.05	28.625	99.791
266.14	28.622	99.758
266.24	28.618	99.716
266.34	28.614	99.67
266.44	28.61	99.622
266.54	28.607	99.572
266.64	28.603	99.52
266.74	28.599	99.467
266.84	28.596	99.412
266.94	28.592	99.356
267.	28.59	99.322
267.01		99.318
267.02		99.316
267.05	28.589	99.324
267.14	28.586	99.445
267.24	28.583	99.671
267.34	28.58	99.974
267.44	28.578	100.34
267.54	28.577	100.76
267.64	28.576	101.24
267.74		101.76
267.84		102.32
267.94	28.578	102.92
268.	28.579	103.3
268.01		103.36
268.02	28.58	103.42
268.05		103.59
268.14	28.584	104.03
268.24	28.588	104.46
268.34	28.594	104.85
268.44	28.6	105.21
268.54	28.608	105.55
268.64	28.616	105.86
268.74	28.626	106.15
268.84	28.636	106.43
268.94	28.647	106.69
269.	28.654	106.85
269.01	28.655	106.87
269.02	28.657	106.9

269.05	28.66	106.97
269.14	28.671	107.19
269.24	28.684	107.42
269.34	28.698	107.65
269.44	28.712	107.86
269.54	28.726	108.07
269.64	28.74	108.28
269.74	28.755	108.47
269.84	28.77	108.67
269.94	28.785	108.85
270.	28.794	108.96
270.01	28.796	108.98
270.02	28.797	108.99
270.05	28.802	109.02
270.14	28.815	
270.24	28.83	108.92
270.34	28.845	108.74
270.44	28.859	108.49
270.54	28.873	108.19
270.64	28.886	107.83
270.74	28.899	107.42
270.84	28.911	106.97
270.94	28.921	106.48
271.	28.928	106.17
271.01	28.929	106.12
271.02	28.93	106.07
271.05	28.933	105.96
271.14	28.941	105.81
271.24	28.949	105.8
271.34	28.956	105.92
271.44	28.963	106.14
271.54	28.969	106.45
271.64	28.975	106.85
271.74	28.981	107.31
271.84	28.986	107.84
271.94	28.992	108.44
272.	28.996	108.81
272.01		108.87
272.02	28.997	108.93
272.05	28.999	109.07
272.14	29.004	109.34
272.24	29.011	109.49
272.34	29.018	109.52
272.44	29.025	109.46
272.54	29.033	109.32
272.64	29.041	109.1
272.74	29.048	108.83
272.84	29.056	108.5
272.94	29.064	108.11
273.	29.068	107.86
273.01	29.069	107.82
273.02	29.07	107.79
273.05	29.072	107.7
273.14	29.078	107.59
273.24	29.084	107.6
273.34	29.091	107.71
273.44	29.097	107.9
273.54	29.103	108.17
273.64	29.108	108.49
273.74	29.114	108.88
273.84	29.12	109.31
273.94	29.126	109.79
274.	29.129	110.09
274.01	29.13	110.14
274.02	29.131	110.19
274.05	29.132	110.34

274.14	29.138	110.75
274.24	29.146	111.18
274.34	29.153	111.61
274.44	29.162	112.03
274.54	29.171	112.45
274.64	29.181	112.86
274.74	29.192	113.28
274.84	29.203	113.7
274.94	29.215	114.11
275.	29.223	114.36
275.01	29.224	114.4
275.02	29.226	114.44
275.05	29.23	114.53
275.14	29.242	114.69
275.24	29.256	114.74
275.34	29.27	114.7
275.44	29.284	114.57
275.54	29.299	114.37
275.64	29.313	114.11
275.74	29.327	113.79
275.84	29.341	113.41
275.94	29.354	112.99
276.	29.362	112.72
276.01	29.363	112.67
276.02	29.364	112.63
276.05	29.368	112.52
276.14	29.378	112.28
276.24	29.389	112.09
276.34	29.399	111.96
276.44	29.409	111.88
276.54	29.417	111.84
276.64	29.425	111.83
276.74	29.432	111.85
276.84	29.438	111.89
276.94	29.444	111.96
277.	29.447	112.01
277.01	29.448	112.02
277.02		
277.05	29.45	112.06
277.14	29.454	112.19
277.24	29.459	112.37
277.34	29.464	112.59
277.44	29.469	112.82
277.54	29.473	113.08
277.64	29.478	113.36
277.74	29.483	113.66
277.84	29.489	113.97
277.94	29.494	114.29
278.	29.498	114.49
278.01	29.499	114.52
278.02		114.56
278.05	29.501	114.68
278.14	29.507	115.15
278.24	29.515	115.77
278.34	29.523	116.48
278.44	29.532	117.25
278.54	29.543	118.1
278.64	29.554	119.
278.74	29.567	119.96
278.84	29.581	120.97
278.94	29.597	122.03
279.	29.607	122.68
279.01	29.609	122.79
279.02	29.61	122.9
279.05	29.616	123.26
279.14	29.633	124.44

279.24	29.654	125.88
279.34	29.678	127.43
279.44	29.704	129.06
279.54	29.732	130.79
279.64	29.764	132.6
279.74	29.798	134.48
279.84	29.835	136.43
279.94	29.875	138.45
280.	29.9	139.69
280.01	29.904	139.89
280.02	29.908	140.09
280.05	29.921	140.69
280.14	29.963	142.4
280.24	30.012	144.25
280.34	30.065	146.05
280.44	30.12	147.83
280.54	30.179	149.59
280.64	30.241	151.34
280.74	30.305	153.08
280.84	30.373	154.81
280.94	30.443	156.54
281.	30.486	157.57
281.01	30.493	157.74
281.02	30.5	157.91
281.05	30.522	158.42
281.14	30.59	159.89
281.24	30.667	161.49
281.34	30.746	163.05
281.44	30.827	164.59
281.54	30.91	166.11
281.64	30.994	167.6
281.74	31.08	169.08
281.84	31.168	170.55
281.94	31.256	172.
282.	31.31	172.87
282.01	31.319	173.01
282.02	31.327	173.15
282.05	31.354	173.57
282.14	31.436	174.72
282.24	31.527	175.93
282.34	31.619	177.07
282.44	31.711	178.15
282.54	31.804	179.18
282.64	31.897	180.17
282.74	31.989	181.11
282.84	32.082	182.02
282.94	32.174	182.89
283.	32.229	183.4
283.01	32.239	183.49
283.02	32.248	183.59
283.05	32.275	183.9
283.14	32.358	185.07
283.24	32.45	186.57
283.34	32.542	188.24
283.44	32.634	190.04
283.54	32.726	191.97
283.64	32.819	194.
283.74	32.912	196.12
283.84	33.006	198.34
283.94	33.101	200.63
284.	33.159	202.03
284.01	33.168	202.26
284.02	33.178	202.49
284.05	33.207	203.14
284.14	33.295	204.91
284.24	33.393	206.73

	33.493	208.42
284.44	33.595	210.01
284.54	33.697	211.52
284.64	33.801	212.97
284.74	33.906	214.36
284.84	34.011	215.69
284.94	34.118	216.98
285.	34.182	217.73
285.01	34.192	217.86
285.02	34.203	217.98
285.05	34.235	218.36
285.14	34.331	219.48
285.24	34.439	220.71
285.34	34.546	221.92
285.44	34.653	223.11
285.54	34.76	224.29
285.64	34.867	225.45
285.74	34.973	226.59
285.84	35.079	227.71
285.94	35.184	228.83
286.	35.247	229.49
286.01	35.257	229.6
286.02	35.267	229.71
286.05	35.299	230.04
286.14	35.392	231.01
286.24	35.495	232.08
286.34	35.598	233.13
286.44	35.699	234.17
286.54	35.8	235.19
286.64	35.9	236.21
286.74	35.999	237.21
286.84	36.097	238.19
286.94	36.194	239.17
287.	36.253	239.75
287.01	36.262	239.85
287.02	36.272	239.95
287.05	36.301	240.26
287.14	36.387	241.3
287.24	36.482	242.54
287.34	36.577	243.85
287.44	36.671	245.22
287.54	36.765	246.64
287.64	36.859	248.1
287.74	36.952	249.6
287.84	37.045	251.14
287.94	37.138	252.71
288.	37.194	253.66
288.01	37.203	253.82
288.02	37.213	253.96
288.05	37.241	254.37
288.14	37.324	255.33
288.24	37.417	256.13
288.34	37.509	256.74
288.44	37.601	257.19
288.54	37.692	257.48
288.64	37.782	257.65
288.74	37.871	257.7
288.84	37.959	257.64
288.94	38.045	257.48
289.	38.096	257.36
289.01	38.104	257.34
289.02	38.113	257.33
289.05	38.138	
289.14	38.212	257.53
289.24	38.293	257.96
289.34	38.372	258.53

289.44	38.449	259.22
289.54	38.524	260.01
289.64	38.597	260.88
289.74	38.669	261.83
289.84	38.739	262.84
289.94	38.808	263.9
290.	38.85	264.56
290.01	38.856	264.67
290.02	38.863	264.79
290.05	38.884	265.13
290.14	38.944	266.22
290.24	39.012	267.49
290.34	39.078	268.83
290.44	39.145	270.22
290.54	39.212	271.65
290.64	39.28	273.13
290.74	39.348	274.66
290.84	39.417	276.22
290.94	39.486	277.82
291.	39.528	278.79
291.01	39.535	278.96
291.02	39.542	279.11
291.05	39.564	279.58
291.14	39.628	280.88
291.24	39.7	282.24
291.34	39.774	283.55
291.44	39.848	284.81
291.54	39.923	286.03
291.64	40.	287.22
291.74	40.077	288.38
291.84	40.154	289.52
291.94	40.233	290.63
292.	40.28	291.3
292.01	40.288	291.41
292.02	40.296	291.52
292.05	40.32	291.85
292.14	40.391	292.83
292.24	40.471	293.91
292.34	40.551	294.98
292.44	40.631	296.04
292.54	40.711	297.1
292.64	40.792	298.14
292.74	40.872	299.18
292.84	40.953	300.2
292.94	41.033	301.22
293.	41.081	301.83
293.01	41.089	301.94
293.02	41.097	302.04
293.05	41.121	302.39
293.14	41.193	303.56
293.24	41.274	305.01
293.34	41.355	306.57
293.44	41.436	308.23
293.54	41.517	309.97
293.64	41.6	311.79
293.74	41.682	313.67
293.84	41.766	315.61
293.94	41.851	317.62
294.	41.902	318.84
294.01	41.911	319.03
294.02	41.919	319.23
294.05	41.945	319.77
294.14	42.023	321.13
294.24	42.11	322.41
294.34	42.199	323.49
294.44	42.287	324.43

	42.377	325.23
294.64	42.467	325.91
294.74	42.557	326.49
294.84	42.647	326.98
294.94	42.737	327.38
295.	42.791	327.59
295.01	42.8	327.63
295.02	42.809	327.68
295.05	42.836	327.87
295.14	42.916	328.77
295.24	43.004	330.05
295.34	43.093	331.57
295.44	43.181	333.27
295.54	43.269	335.14
295.64	43.356	337.14
295.74	43.444	339.27
295.84	43.532	341.52
295.94	43.621	343.86
296.	43.675	345.31
296.01	43.684	345.54
296.02	43.693	345.77
296.05	43.72	346.41
296.14	43.801	348.02
296.24	43.892	349.53
296.34	43.984	350.82
296.44	44.077	351.94
296.54	44.171	352.91
296.64	44.266	353.76
296.74	44.361	354.5
296.84	44.457	355.13
296.94	44.552	355.68
297.	44.609	355.97
297.01	44.619	356.03
297.02	44.628	356.09
297.05	44.657	356.31
297.14	44.743	357.26
297.24	44.838	358.57
297.34	44.933	360.08
297.44	45.027	361.75
297.54	45.122	363.55
297.64	45.216	365.47
297.74	45.31	367.5
297.84	45.405	369.62
297.94	45.5	371.83
298.	45.557	373.18
298.01	45.567	373.4
298.02	45.576	373.61
298.05	45.605	374.19
298.14	45.691	375.57
298.24	45.787	376.77
298.34	45.883	377.71
298.44	45.98	378.44
298.54	46.077	378.98
298.64	46.174	379.36
298.74	46.27	379.6
298.84	46.367	379.71
298.94	46.462	379.7
299.	46.519	379.65
299.01	46.528	
299.02	46.538	
299.05	46.566	379.69
299.14	46.65	380.06
299.24	46.741	380.67
299.34	46.832	381.43
299.44	46.921	382.32
299.54	47.008	383.32

299.64	47.094	384.39
299.74	47.179	385.54
299.84	47.262	386.76
299.94	47.344	388.04
300.	47.393	388.82
300.01	47.401	388.95
300.02	47.409	389.08
300.05	47.433	389.46
300.14	47.505	390.55
300.24	47.585	391.73
300.34	47.664	392.88
300.44	47.743	394.02
300.54	47.821	395.15
300.64	47.9	396.27
300.74	47.979	397.38
300.84	48.057	398.49
300.94	48.136	399.59
301.	48.184	400.25
301.01	48.191	400.36
301.02	48.199	400.48
301.05	48.223	400.86
301.14	48.294	402.19
301.24	48.374	403.86
301.34	48.455	405.68
301.44	48.537	407.62
301.54	48.619	409.68
301.64	48.702	411.83
301.74	48.787	414.07
301.84	48.873	416.39
301.94	48.96	418.79
302.	49.014	420.26
302.01	49.023	420.5
302.02	49.031	420.73
302.05	49.058	421.42
302.14	49.14	423.28
302.24	49.233	425.19
302.34	49.327	426.98
302.44	49.424	428.68
302.54	49.522	430.29
302.64	49.622	431.84
302.74	49.723	433.34
302.84	49.826	434.78
302.94	49.93	436.17
303.	49.993	436.99
303.01	50.004	437.13
303.02	50.014	437.25
303.05	50.046	437.61
303.14	50.141	438.46
303.24	50.247	439.2
303.34	50.352	439.77
303.44	50.458	440.18
303.54	50.563	440.46
303.64	50.667	440.63
303.74	50.77	440.68
303.84	50.871	440.63
303.94	50.971	440.49
304.	51.03	440.37
304.01	51.04	440.36
304.02	51.05	440.35
304.05	51.079	440.33
304.14	51.165	440.45
304.24	51.259	440.72
304.34	51.35	441.09
304.44	51.439	441.53
304.54	51.526	442.03
304.64	51.61	442.58

	51.692	443.18
304.84	51.772	443.81
304.94	51.85	444.47
305.	51.896	444.87
305.01	51.904	444.94
305.02	51.911	445.02
305.05	51.934	445.31
305.14	52.001	446.5
305.24	52.075	448.14
305.34	52.149	450.03
305.44	52.222	452.14
305.54	52.296	454.44
305.64	52.37	456.91
305.74	52.445	459.54
305.84	52.521	462.3
305.94	52.599	465.2
306.	52.646	466.98
306.01	52.654	467.27
306.02	52.662	467.55
306.05	52.686	468.3
306.14	52.76	470.1
306.24	52.843	471.65
306.34	52.928	472.86
306.44	53.015	473.8
306.54	53.104	474.5
306.64	53.195	475.
306.74	53.287	475.33
306.84	53.38	475.49
306.94	53.473	475.51
307.	53.529	475.47
307.01	53.539	475.46
307.02	53.548	
307.05	53.576	475.42
307.14	53.66	475.2
307.24	53.752	474.84
307.34	53.842	474.37
307.44	53.931	473.8
307.54	54.017	473.13
307.64	54.1	472.38
307.74	54.181	471.53
307.84	54.258	470.6
307.94	54.332	469.6
308.	54.375	468.97
308.01	54.382	468.87
308.02	54.389	468.77
308.05	54.41	468.53
308.14	54.47	468.1
308.24	54.533	467.86
308.34	54.593	467.82
308.44	54.649	467.94
308.54	54.703	468.18
308.64	54.753	468.53
308.74	54.8	468.98
308.84	54.845	469.51
308.94	54.888	470.12
309.	54.912	470.51
309.01	54.917	470.57
309.02	54.921	470.63
309.05	54.933	470.79
309.14	54.968	471.11
309.24	55.005	471.35
309.34	55.041	471.5
309.44	55.076	471.58
309.54	55.11	471.59
309.64	55.144	471.55
309.74	55.176	471.47

309.84	55.208	471.35
309.94	55.239	471.19
310.	55.258	471.09
310.01	55.261	471.07
310.02	55.264	471.06
310.05	55.273	471.05
310.14	55.3	471.17
310.24	55.33	471.45
310.34	55.359	471.84
310.44	55.387	472.32
310.54	55.415	472.88
310.64	55.443	473.5
310.74	55.47	474.19
310.84	55.497	474.93
310.94	55.524	475.72
311.	55.541	476.21
311.01	55.543	476.29
311.02	55.546	476.37
311.05	55.554	476.56
311.14	55.579	476.94
311.24	55.606	477.18
311.34	55.633	477.29
311.44	55.66	477.27
311.54	55.687	477.17
311.64	55.714	476.97
311.74	55.742	476.71
311.84	55.768	476.37
311.94	55.795	475.97
312.	55.811	475.71
312.01	55.813	475.67
312.02	55.816	475.62
312.05	55.824	475.49
312.14	55.846	475.08
312.24	55.871	474.61
312.34	55.894	474.1
312.44	55.916	473.57
312.54	55.937	473.01
312.64	55.956	472.43
312.74	55.974	471.82
312.84	55.99	471.18
312.94	56.004	470.52
313.	56.012	470.11
313.01	56.014	470.05
313.02	56.015	469.99
313.05	56.019	469.84
313.14	56.029	469.58
313.24	56.039	469.46
313.34	56.048	469.49
313.44	56.055	469.63
313.54	56.061	469.87
313.64	56.067	470.2
313.74	56.071	470.6
313.84	56.075	471.07
313.94	56.079	471.6
314.	56.081	471.93
314.01		471.99
314.02	56.082	472.03
314.05	56.083	472.13
314.14	56.085	472.14
314.24	56.088	471.89
314.34	56.091	471.45
314.44	56.093	470.85
314.54	56.095	470.11
314.64	56.097	469.24
314.74	56.099	468.27
314.84	56.1	467.2

314.94	56.101	466.04
315.		465.31
315.01		465.2
315.02		465.08
315.05	56.1	464.79
315.14	56.099	464.16
315.24	56.097	463.69
315.34	56.094	463.38
315.44	56.09	463.22
315.54	56.085	463.18
315.64	56.079	463.23
315.74	56.071	463.37
315.84	56.063	463.59
315.94	56.054	463.88
316.	56.049	464.08
316.01	56.048	464.11
316.02	56.047	464.15
316.05	56.044	464.26
316.14	56.035	464.63
316.24	56.026	465.1
316.34	56.017	465.62
316.44	56.008	466.19
316.54	56.	466.81
316.64	55.993	467.47
316.74	55.987	468.17
316.84	55.982	468.91
316.94	55.979	469.68
317.	55.977	470.16
317.01		470.23
317.02	55.976	470.3
317.05		470.46
317.14	55.975	470.62
317.24		470.52
317.34		470.19
317.44	55.977	469.68
317.54	55.979	469.01
317.64	55.981	468.2
317.74	55.985	467.26
317.84	55.988	466.21
317.94	55.99	465.06
318.	55.992	464.33
318.01		464.21
318.02		464.09
318.05	55.993	463.75
318.14	55.994	462.76
318.24		461.7
318.34	55.993	460.65
318.44	55.99	459.61
318.54	55.986	458.57
318.64	55.979	457.52
318.74	55.97	456.47
318.84	55.96	455.4
318.94	55.947	454.32
319.	55.938	453.67
319.01	55.937	453.57
319.02	55.935	453.48
319.05	55.931	453.26
319.14	55.916	453.02
319.24	55.898	453.14
319.34	55.879	453.57
319.44	55.86	454.26
319.54	55.84	455.18
319.64	55.819	456.3
319.74	55.799	457.59
319.84	55.779	459.05
319.94	55.76	460.66

320.	55.749	461.67
320.01	55.747	461.83
320.02	55.746	461.99
320.05	55.74	462.38
320.14	55.726	463.12
320.24	55.711	463.57
320.34	55.697	463.73
320.44	55.686	463.65
320.54	55.676	463.38
320.64	55.668	462.94
320.74	55.663	462.34
320.84	55.659	461.62
320.94	55.656	460.78
321.	55.654	460.23
321.01		460.14
321.02		460.05
321.05	55.653	459.81
321.14	55.652	459.21
321.24	55.651	458.62
321.34	55.65	458.1
321.44	55.649	457.62
321.54	55.648	457.17
321.64	55.645	456.75
321.74	55.642	456.34
321.84	55.638	455.96
321.94	55.633	455.58
322.	55.63	455.36
322.01	55.629	455.32
322.02	55.628	455.27
322.05	55.627	455.13
322.14	55.62	454.53
322.24	55.612	453.74
322.34	55.602	452.83
322.44	55.592	451.84
322.54	55.58	450.77
322.64	55.567	449.63
322.74	55.552	448.43
322.84	55.537	447.18
322.94	55.519	445.87
323.	55.508	445.07
323.01	55.506	444.95
323.02	55.505	444.83
323.05	55.499	444.52
323.14	55.481	443.93
323.24	55.46	443.59
323.34	55.438	443.49
323.44	55.415	443.6
323.54	55.391	443.89
323.64	55.366	444.33
323.74	55.341	444.9
323.84	55.315	445.6
323.94	55.289	446.41
324.	55.274	446.94
324.01	55.272	447.02
324.02	55.269	447.11
324.05	55.262	447.33
324.14	55.239	447.85
324.24	55.215	448.32
324.34	55.192	448.71
324.44	55.171	449.04
324.54	55.15	449.32
324.64	55.132	449.56
324.74	55.115	449.77
324.84	55.1	449.96
324.94	55.087	450.12
325.	55.079	450.22

325.01	55.078	450.23
325.02	55.077	
325.05	55.073	450.19
325.14	55.063	449.78
325.24	55.053	449.01
325.34	55.043	448.
325.44	55.034	446.78
325.54	55.024	445.38
325.64	55.015	443.82
325.74	55.005	442.12
325.84	54.994	440.28
325.94	54.982	438.31
326.	54.975	437.09
326.01	54.973	436.89
326.02	54.972	436.7
326.05	54.968	436.15
326.14	54.954	434.71
326.24	54.937	433.31
326.34	54.918	432.04
326.44	54.897	430.88
326.54	54.874	429.81
326.64	54.847	428.8
326.74	54.819	427.85
326.84	54.788	426.95
326.94	54.754	426.1
327.	54.734	425.6
327.01	54.73	425.52
327.02	54.727	425.44
327.05	54.716	425.2
327.14	54.683	424.53
327.24	54.644	423.84
327.34	54.604	423.19
327.44	54.562	422.58
327.54	54.52	422.
327.64	54.477	421.46
327.74	54.433	420.94
327.84	54.388	420.45
327.94	54.344	419.99
328.	54.317	419.72
328.01	54.312	419.67
328.02	54.308	419.62
328.05	54.294	419.47
328.14	54.254	418.92
328.24	54.209	418.24
328.34	54.163	417.57
328.44	54.118	416.87
328.54	54.073	416.13
328.64	54.028	415.37
328.74	53.983	414.58
328.84	53.938	413.77
328.94	53.893	412.94
329.	53.866	412.43
329.01	53.861	412.34
329.02	53.857	412.26
329.05	53.843	412.02
329.14	53.802	411.35
329.24	53.757	410.65
329.34	53.712	409.97
329.44	53.666	409.32
329.54	53.62	408.69
329.64	53.574	408.07
329.74	53.528	407.47
329.84	53.481	406.87
329.94	53.435	406.29
330.	53.407	405.94
330.01	53.402	405.88

330.02	53.397	405.82
330.05	53.383	405.62
330.14	53.341	404.94
330.24	53.293	404.1
330.34	53.245	403.19
330.44	53.197	402.23
330.54	53.149	401.23
330.64	53.1	400.18
330.74	53.051	399.1
330.84	53.002	397.99
330.94	52.952	396.85
331.	52.922	396.15
331.01	52.917	396.04
331.02	52.912	395.93
331.05	52.896	395.63
331.14	52.851	394.94
331.24	52.8	394.33
331.34	52.748	393.86
331.44	52.697	393.5
331.54	52.645	393.23
331.64	52.592	393.03
331.74	52.54	392.9
331.84	52.487	392.84
331.94	52.435	392.82
332.	52.404	
332.01	52.399	392.84
332.02	52.393	
332.05	52.378	392.83
332.14	52.331	392.73
332.24	52.28	392.58
332.34	52.23	392.41
332.44	52.181	392.21
332.54	52.133	392.
332.64	52.085	391.78
332.74	52.039	391.55
332.84	51.994	391.32
332.94	51.951	391.09
333.	51.925	390.95
333.01	51.921	390.93
333.02	51.916	390.9
333.05	51.903	390.83
333.14	51.866	390.61
333.24	51.826	390.36
333.34	51.786	390.1
333.44	51.748	389.84
333.54	51.711	389.58
333.64	51.674	389.32
333.74	51.639	389.06
333.84	51.604	388.79
333.94	51.57	388.53
334.	51.55	388.37
334.01	51.546	388.35
334.02	51.543	388.32
334.05	51.533	388.23
334.14	51.504	387.97
334.24	51.472	387.65
334.34	51.44	387.33
334.44	51.41	387.
334.54	51.379	386.65
334.64	51.349	386.31
334.74	51.32	385.96
334.84	51.291	385.6
334.94	51.262	385.24
335.	51.245	385.03
335.01	51.242	384.99
335.02	51.239	384.95

335.05	51.231	384.85
335.14	51.206	384.56
335.24	51.178	384.25
335.34	51.15	383.95
335.44	51.123	383.66
335.54	51.096	383.37
335.64	51.069	383.1
335.74	51.042	382.83
335.84	51.016	382.56
335.94	50.989	382.3
336.	50.974	382.15
336.01	50.971	382.12
336.02	50.969	382.09
336.05	50.961	382.02
336.14	50.937	381.79
336.24	50.912	381.54
336.34	50.886	381.29
336.44	50.861	381.04
336.54	50.836	380.8
336.64	50.812	380.56
336.74	50.787	380.32
336.84	50.763	380.08
336.94	50.739	379.85
337.	50.725	379.71
337.01	50.723	379.68
337.02	50.72	379.66
337.05	50.713	379.56
337.14	50.692	379.16
337.24	50.669	378.63
337.34	50.645	378.01
337.44	50.622	377.33
337.54	50.598	376.6
337.64	50.575	375.82
337.74	50.551	375.
337.84	50.527	374.14
337.94	50.502	373.24
338.	50.487	372.69
338.01	50.485	372.6
338.02	50.482	372.52
338.05	50.475	372.29
338.14	50.452	371.79
338.24	50.427	371.39
338.34	50.401	371.12
338.44	50.374	370.95
338.54	50.347	370.87
338.64	50.32	370.85
338.74	50.292	370.9
338.84	50.264	371.
338.94	50.237	371.15
339.	50.22	371.26
339.01	50.217	371.27
339.02	50.214	371.29
339.05	50.206	
339.14	50.181	371.16
339.24	50.153	370.86
339.34	50.125	370.45
339.44	50.098	369.95
339.54	50.071	369.38
339.64	50.045	368.75
339.74	50.018	368.06
339.84	49.992	367.34
339.94	49.967	366.56
340.	49.951	366.09
340.01	49.949	366.01
340.02	49.946	365.93
340.05	49.938	365.72

340.14	49.915	365.13
340.24	49.89	364.55
340.34	49.864	364.01
340.44	49.838	363.5
340.54	49.811	363.02
340.64	49.785	362.55
340.74	49.757	362.11
340.84	49.729	361.68
340.94	49.701	361.26
341.	49.684	361.02
341.01	49.681	360.97
341.02	49.679	360.93
341.05	49.67	360.78
341.14	49.644	360.24
341.24	49.614	359.55
341.34	49.584	358.79
341.44	49.554	357.98
341.54	49.523	357.12
341.64	49.491	356.22
341.74	49.459	355.28
341.84	49.427	354.3
341.94	49.393	353.3
342.	49.373	352.69
342.01	49.37	352.59
342.02	49.367	352.49
342.05	49.356	352.24
342.14	49.326	351.67
342.24	49.291	351.22
342.34	49.256	350.9
342.44	49.22	350.7
342.54	49.184	350.59
342.64	49.148	350.55
342.74	49.112	350.59
342.84	49.075	350.69
342.94	49.038	350.85
343.	49.016	350.96
343.01	49.013	350.98
343.02	49.009	350.99
343.05	48.998	351.03
343.14	48.965	351.07
343.24	48.93	351.05
343.34	48.895	351.
343.44	48.86	350.92
343.54	48.827	350.82
343.64	48.794	350.7
343.74	48.763	350.58
343.84	48.733	350.45
343.94	48.703	350.31
344.	48.686	350.22
344.01	48.683	350.21
344.02	48.68	350.19
344.05	48.672	350.12
344.14	48.647	349.81
344.24	48.62	349.36
344.34	48.594	348.84
344.44	48.569	348.25
344.54	48.544	347.6
344.64	48.519	346.91
344.74	48.494	346.17
344.84	48.47	345.39
344.94	48.446	344.58
345.	48.431	344.08
345.01	48.428	344.
345.02	48.426	343.93
345.05	48.419	343.72
345.14	48.397	343.3

	48.372	342.98
345.34	48.347	342.79
345.44	48.323	342.7
345.54	48.298	342.69
345.64	48.272	342.75
345.74	48.247	342.88
345.84	48.221	343.06
345.94	48.196	343.29
346.	48.181	343.44
346.01	48.178	343.47
346.02	48.176	343.48
346.05	48.168	343.51
346.14	48.146	343.42
346.24	48.121	343.17
346.34	48.096	342.79
346.44	48.072	342.32
346.54	48.048	341.76
346.64	48.025	341.15
346.74	48.002	340.47
346.84	47.979	339.74
346.94	47.957	338.97
347.	47.943	338.49
347.01	47.941	338.41
347.02	47.939	338.33
347.05	47.932	338.11
347.14	47.912	337.55
347.24	47.89	336.98
347.34	47.867	336.47
347.44	47.844	335.99
347.54	47.821	335.55
347.64	47.798	335.12
347.74	47.773	334.72
347.84	47.749	334.33
347.94	47.724	333.96
348.	47.709	333.74
348.01	47.706	333.71
348.02	47.703	333.67
348.05	47.696	333.59
348.14	47.673	333.42
348.24	47.647	333.32
348.34	47.621	333.29
348.44	47.595	333.32
348.54	47.569	333.4
348.64	47.544	333.53
348.74	47.518	333.69
348.84	47.494	333.9
348.94	47.469	334.14
349.	47.455	334.3
349.01	47.453	334.32
349.02	47.45	334.34
349.05	47.443	334.38
349.14	47.422	334.32
349.24	47.4	334.11
349.34	47.377	333.79
349.44	47.356	333.39
349.54	47.335	332.91
349.64	47.315	332.36
349.74	47.295	331.77
349.84	47.276	331.12
349.94	47.257	330.43
350.	47.246	330.
350.01	47.244	329.93
350.02	47.242	329.86
350.05	47.236	329.67
350.14	47.219	329.15
350.24	47.201	328.63

	47.182	328.16
350.44	47.163	327.71
350.54	47.144	327.28
350.64	47.124	326.87
350.74	47.104	326.48
350.84	47.083	326.1
350.94	47.062	325.73
351.	47.049	325.53
351.01	47.047	
351.02	47.045	
351.05	47.038	
351.14	47.018	
351.24	46.996	325.54
351.34	46.973	
351.44	46.95	
351.54	46.927	325.55
351.64	46.904	
351.74	46.88	325.56
351.84	46.856	325.57
351.94	46.832	
352.	46.818	325.58
352.01	46.815	
352.02	46.813	325.57
352.05	46.806	
352.14	46.784	325.53
352.24	46.76	325.47
352.34	46.735	325.39
352.44	46.71	325.31
352.54	46.685	325.21
352.64	46.659	325.11
352.74	46.633	324.99
352.84	46.607	324.87
352.94	46.581	324.74
353.	46.564	324.66
353.01	46.562	324.65
353.02	46.559	324.64
353.05	46.551	324.61
353.14	46.526	324.58
353.24	46.498	324.56
353.34	46.469	324.57
353.44	46.44	324.59
353.54	46.411	324.63
353.64	46.381	324.68
353.74	46.351	324.74
353.84	46.321	324.82
353.94	46.29	324.9
354.	46.272	324.95
354.01	46.269	324.96
354.02	46.266	324.97
354.05	46.257	324.99
354.14	46.229	325.03
354.24	46.199	325.08
354.34	46.169	325.11
354.44	46.14	325.15
354.54	46.111	325.18
354.64	46.082	325.2
354.74	46.055	325.23
354.84	46.028	325.25
354.94	46.002	325.27
355.	45.986	325.28
355.01	45.984	
355.02	45.981	
355.05	45.974	
355.14	45.951	325.25
355.24	45.926	325.2
355.34	45.902	325.13

355.44	45.878	325.05
355.54	45.855	324.96
355.64	45.831	324.87
355.74	45.808	324.76
355.84	45.784	324.64
355.94	45.76	324.52
356.	45.746	324.44
356.01	45.744	324.43
356.02	45.741	324.42
356.05	45.734	324.4
356.14	45.712	324.36
356.24	45.688	324.35
356.34	45.664	324.36
356.44	45.639	324.38
356.54	45.614	324.42
356.64	45.589	324.47
356.74	45.563	324.53
356.84	45.537	324.6
356.94	45.511	324.68
357.	45.496	324.73
357.01	45.493	324.74
357.02	45.491	324.75
357.05	45.483	324.78
357.14	45.46	324.87
357.24	45.435	324.98
357.34	45.411	325.1
357.44	45.387	325.22
357.54	45.364	325.35
357.64	45.342	325.49
357.74	45.321	325.63
357.84	45.302	325.78
357.94	45.283	325.93
358.	45.272	326.03
358.01	45.27	326.04
358.02	45.269	326.05
358.05	45.264	326.07
358.14	45.249	326.09
358.24	45.233	326.06
358.34	45.218	326.
358.44	45.205	325.91
358.54	45.191	325.8
358.64	45.179	325.66
358.74	45.167	325.5
358.84	45.155	325.33
358.94	45.144	325.13
359.	45.137	325.01
359.01	45.136	325.
359.02	45.134	324.98
359.05	45.131	324.95
359.14	45.12	324.93
359.24	45.109	324.94
359.34	45.097	325.
359.44	45.084	325.09
359.54	45.071	325.2
359.64	45.058	325.34
359.74	45.044	325.5
359.84	45.03	325.68
359.94	45.016	325.88
360.	45.007	326.
360.01	45.006	326.02
360.02	45.004	326.04
360.05	45.	326.07
360.14	44.987	326.15
360.24	44.973	326.2
360.34	44.96	326.23
360.44	44.946	326.24

	44.934	326.23
360.64	44.922	326.2
360.74	44.911	326.16
360.84	44.901	326.11
360.94	44.891	326.05
361.	44.886	326.01
361.01	44.885	326.
361.02	44.884	
361.05	44.881	325.98
361.14	44.873	325.95
361.24	44.864	325.93
361.34	44.856	325.91
361.44	44.847	325.89
361.54	44.839	325.87
361.64	44.83	325.86
361.74	44.821	325.85
361.84	44.811	325.84
361.94	44.801	325.83
362.	44.795	
362.01	44.794	
362.02	44.793	325.82
362.05	44.79	
362.14	44.78	
362.24	44.769	325.81
362.34	44.758	
362.44	44.747	
362.54	44.735	325.8
362.64	44.723	
362.74	44.711	
362.84	44.698	
362.94	44.686	
363.	44.678	
363.01	44.677	
363.02	44.676	
363.05	44.672	
363.14	44.66	
363.24	44.647	
363.34	44.634	
363.44	44.621	
363.54	44.608	
363.64	44.595	325.81
363.74	44.582	
363.84	44.568	
363.94	44.555	325.82
364.	44.547	
364.01	44.546	
364.02	44.544	
364.05	44.54	
364.14	44.529	
364.24	44.515	325.83
364.34	44.502	325.84
364.44	44.489	
364.54	44.476	325.85
364.64	44.463	325.86
364.74	44.45	325.87
364.84	44.437	325.88
364.94	44.424	325.89
365.	44.416	
365.01	44.415	
365.02	44.413	
365.05	44.41	325.9
365.14	44.398	
365.24	44.385	325.91
365.34	44.373	
365.44	44.36	325.92
365.54	44.348	

365.64	44.335	
365.74	44.323	325.93
365.84	44.311	
365.94	44.299	
366.	44.292	
366.01	44.29	
366.02	44.289	325.94
366.05	44.286	325.96
366.14	44.275	326.08
366.24	44.264	326.26
366.34	44.254	326.47
366.44	44.244	326.72
366.54	44.235	326.98
366.64	44.227	327.28
366.74	44.22	327.59
366.84	44.214	327.93
366.94	44.209	328.28
367.	44.207	328.5
367.01		328.53
367.02		328.56
367.05	44.206	328.63
367.14	44.204	328.74
367.24		328.8
367.34	44.205	328.81
367.44	44.207	328.77
367.54	44.211	328.69
367.64	44.216	328.58
367.74	44.223	328.43
367.84	44.23	328.26
367.94	44.238	328.06
368.	44.243	327.93
368.01	44.244	327.92
368.02	44.245	327.9
368.05	44.247	327.87
368.14	44.255	327.81
368.24	44.263	327.77
368.34	44.271	
368.44	44.279	327.79
368.54	44.286	327.83
368.64	44.291	327.88
368.74	44.296	327.95
368.84	44.299	328.03
368.94	44.302	328.12
369.	44.303	328.18
369.01	44.304	328.19
369.02		
369.05		328.21
369.14	44.305	328.23
369.24		
369.34	44.304	328.22
369.44	44.303	328.2
369.54	44.301	328.17
369.64	44.3	328.12
369.74	44.297	328.07
369.84	44.295	328.01
369.94	44.292	327.94
370.	44.29	327.9
370.01	44.289	327.89
370.02		
370.05	44.288	327.87
370.14	44.284	327.84
370.24	44.28	327.81
370.34	44.275	327.79
370.44	44.27	327.77
370.54	44.264	327.75
370.64	44.257	327.74

370.74	44.25	327.73
370.84	44.242	327.72
370.94	44.234	
371.	44.229	327.71
371.01	44.228	
371.02	44.227	
371.05	44.224	327.7
371.14	44.216	327.66
371.24	44.205	327.6
371.34	44.195	327.52
371.44	44.183	327.44
371.54	44.171	327.35
371.64	44.159	327.25
371.74	44.146	327.15
371.84	44.132	327.03
371.94	44.118	326.93
372.	44.109	326.87
372.01	44.107	
372.02	44.106	326.86
372.05	44.101	326.84
372.14	44.088	326.81
372.24	44.072	326.85
372.34	44.056	326.92
372.44	44.039	327.02
372.54	44.023	327.14
372.64	44.006	327.27
372.74	43.989	327.43
372.84	43.972	327.6
372.94	43.955	327.78
373.	43.945	327.9
373.01	43.944	327.92
373.02	43.942	327.93
373.05	43.937	327.96
373.14	43.923	328.01
373.24	43.907	328.02
373.34	43.892	328.
373.44	43.878	327.95
373.54	43.864	327.89
373.64	43.851	327.8
373.74	43.839	327.71
373.84	43.827	327.59
373.94	43.816	327.47
374.	43.809	327.39
374.01	43.808	327.38
374.02	43.807	327.37
374.05	43.804	327.35
374.14	43.794	327.31
374.24	43.784	327.3
374.34	43.773	327.31
374.44	43.763	327.33
374.54	43.752	327.37
374.64	43.741	327.42
374.74	43.73	327.48
374.84	43.719	327.55
374.94	43.707	327.63
375.	43.7	327.68
375.01	43.699	327.69
375.02	43.698	
375.05	43.694	327.71
375.14	43.684	327.76
375.24	43.672	327.82
375.34	43.661	327.86
375.44	43.65	327.91
375.54	43.639	327.95
375.64	43.628	328.
375.74	43.619	328.04

375.84	43.609	328.08
375.94	43.6	328.12
376.	43.595	328.15
376.01		
376.02	43.594	
376.05	43.591	328.16
376.14	43.584	328.17
376.24	43.577	328.18
376.34	43.57	
376.44	43.563	
376.54	43.556	328.17
376.64	43.55	328.16
376.74	43.544	328.14
376.84	43.538	328.12
376.94	43.533	328.1
377.	43.529	328.08
377.01		
377.02	43.528	
377.05	43.526	328.07
377.14	43.521	328.05
377.24	43.516	328.02
377.34	43.51	327.99
377.44	43.504	327.96
377.54	43.497	327.93
377.64	43.491	327.9
377.74	43.484	327.87
377.84	43.477	327.83
377.94	43.469	327.8
378.	43.465	327.77
378.01	43.464	
378.02	43.463	
378.05	43.461	327.78
378.14	43.454	327.83
378.24	43.446	327.92
378.34	43.438	328.04
378.44	43.43	328.17
378.54	43.422	328.33
378.64	43.415	328.5
378.74	43.408	328.68
378.84	43.401	328.89
378.94	43.395	329.1
379.	43.391	329.23
379.01		329.25
379.02	43.39	329.27
379.05	43.389	329.32
379.14	43.384	329.41
379.24	43.38	329.49
379.34	43.377	329.54
379.44	43.375	329.57
379.54	43.373	329.58
379.64		
379.74	43.374	329.57
379.84	43.375	329.54
379.94	43.378	329.51
380.	43.379	329.48
380.01		
380.02	43.38	329.47
380.05		
380.14	43.383	329.45
380.24	43.387	329.43
380.34	43.39	329.41
380.44	43.394	329.39
380.54	43.397	329.37
380.64	43.4	329.35
380.74	43.403	329.33
380.84	43.405	329.31

380.94	43.407	329.29
381.	43.408	329.28
381.01		
381.02		
381.05	43.409	329.27
381.14		
381.24		
381.34		
381.44	43.408	
381.54	43.407	329.28
381.64	43.405	329.29
381.74	43.403	329.3
381.84	43.4	329.31
381.94	43.397	329.33
382.	43.395	329.34
382.01		
382.02	43.394	
382.05	43.393	329.35
382.14	43.39	329.41
382.24	43.386	329.48
382.34	43.382	329.56
382.44	43.379	329.66
382.54	43.375	329.76
382.64	43.371	329.88
382.74	43.368	330.
382.84	43.365	330.13
382.94	43.362	330.26
383.	43.36	330.34
383.01		330.36
383.02		330.37
383.05	43.359	330.4
383.14	43.358	330.5
383.24	43.356	330.59
383.34	43.355	330.68
383.44		330.76
383.54	43.356	330.84
383.64	43.357	330.91
383.74	43.359	330.98
383.84	43.361	331.05
383.94	43.365	331.12
384.	43.367	331.16
384.01		
384.02	43.368	331.17
384.05	43.369	331.18
384.14	43.373	331.2
384.24	43.377	
384.34	43.382	
384.44	43.387	331.18
384.54	43.392	331.15
384.64	43.398	331.11
384.74	43.403	331.07
384.84	43.408	331.02
384.94	43.412	330.96
385.	43.415	330.92
385.01		
385.02	43.416	
385.05	43.417	330.93
385.14	43.421	331.02
385.24	43.425	331.17
385.34	43.43	331.37
385.44	43.434	331.59
385.54	43.439	331.85
385.64	43.443	332.13
385.74	43.448	332.44
385.84	43.453	332.77
385.94	43.459	333.12

386.	43.462	333.34
386.01	43.463	333.38
386.02	43.464	333.4
386.05	43.466	333.48
386.14	43.472	333.63
386.24	43.481	333.75
386.34	43.49	333.83
386.44	43.5	333.88
386.54	43.511	333.9
386.64	43.524	333.89
386.74	43.538	333.86
386.84	43.553	333.81
386.94	43.569	333.74
387.	43.578	333.69
387.01	43.58	
387.02	43.581	333.68
387.05	43.586	333.66
387.14	43.601	333.61
387.24	43.618	333.55
387.34	43.634	333.49
387.44	43.65	333.43
387.54	43.665	333.37
387.64	43.679	333.3
387.74	43.692	333.23
387.84	43.704	333.15
387.94	43.714	333.07
388.	43.72	333.02
388.01	43.721	
388.02	43.722	333.01
388.05	43.725	332.99
388.14	43.732	332.95
388.24	43.738	332.92
388.34	43.744	332.89
388.44	43.748	332.86
388.54	43.75	332.85
388.64	43.751	332.83
388.74		332.82
388.84	43.75	332.81
388.94	43.748	
389.	43.746	
389.01		
389.02		
389.05	43.745	332.83
389.14	43.741	332.91
389.24	43.737	333.02
389.34	43.732	333.17
389.44	43.727	333.33
389.54	43.722	333.52
389.64	43.716	333.72
389.74	43.711	333.93
389.84	43.707	334.16
389.94	43.702	334.41
390.	43.7	334.56
390.01		334.58
390.02		334.6
390.05	43.698	334.65
390.14	43.696	334.74
390.24	43.693	334.79
390.34	43.692	334.8
390.44	43.691	334.79
390.54		334.75
390.64		334.69
390.74	43.693	334.61
390.84	43.695	334.51
390.94	43.697	334.4
391.	43.698	334.32

391.01	43.699	334.31
391.02		334.3
391.05	43.7	334.28
391.14	43.702	334.22
391.24	43.704	334.17
391.34	43.706	334.13
391.44	43.708	334.1
391.54	43.709	334.07
391.64		334.04
391.74	43.708	334.02
391.84	43.706	334.
391.94	43.703	333.99
392.	43.701	333.98
392.01		
392.02	43.7	
392.05	43.699	333.97
392.14	43.695	333.96
392.24	43.69	
392.34	43.683	333.95
392.44	43.676	333.94
392.54	43.669	
392.64	43.661	333.93
392.74	43.652	
392.84	43.643	
392.94	43.633	333.92
393.	43.627	
393.01	43.626	
393.02	43.625	
393.05	43.622	
393.14	43.613	
393.24	43.602	
393.34	43.591	333.91
393.44	43.58	
393.54	43.569	
393.64	43.557	
393.74	43.545	333.9
393.84	43.533	
393.94	43.521	
394.	43.514	
394.01	43.512	
394.02	43.511	
394.05	43.507	333.89
394.14	43.496	
394.24	43.484	
394.34	43.471	
394.44	43.459	
394.54	43.446	
394.64	43.433	
394.74	43.42	333.88
394.84	43.407	
394.94	43.394	
395.	43.387	
395.01	43.385	
395.02	43.384	
395.05	43.38	
395.14	43.368	
395.24	43.355	
395.34	43.342	
395.44	43.329	333.89
395.54	43.316	
395.64	43.303	
395.74	43.29	333.9
395.84	43.278	
395.94	43.265	
396.	43.257	
396.01	43.256	

396.02	43.254	333.91
396.05	43.25	
396.14	43.239	
396.24	43.226	333.92
396.34	43.214	333.93
396.44	43.201	333.94
396.54	43.189	333.95
396.64	43.176	333.96
396.74	43.164	333.97
396.84	43.152	
396.94	43.14	333.99
397.	43.132	
397.01	43.131	
397.02	43.13	
397.05	43.126	334.
397.14	43.116	
397.24	43.104	
397.34	43.092	334.01
397.44	43.081	
397.54	43.069	
397.64	43.058	
397.74	43.047	
397.84	43.036	
397.94	43.025	334.
398.	43.018	
398.01	43.017	
398.02	43.016	
398.05	43.013	
398.14	43.003	
398.24	42.992	
398.34	42.981	
398.44	42.971	
398.54	42.96	
398.64	42.949	
398.74	42.939	
398.84	42.928	
398.94	42.918	
399.	42.912	
399.01	42.91	
399.02	42.909	
399.05	42.906	
399.14	42.897	
399.24	42.887	
399.34	42.876	334.01
399.44	42.866	
399.54	42.856	
399.64	42.845	
399.74	42.835	334.02
399.84	42.825	
399.94	42.815	
400.	42.809	
400.01	42.808	
400.02	42.807	
400.05	42.804	
400.14	42.795	333.98
400.24	42.785	333.93
400.34	42.775	333.87
400.44	42.764	333.81
400.54	42.754	333.73
400.64	42.743	333.65
400.74	42.732	333.57
400.84	42.721	333.5
400.94	42.709	333.44
401.	42.702	333.41
401.01	42.701	333.4
401.02	42.7	

401.05	42.696	333.38
401.14	42.685	333.34
401.24	42.673	333.31
401.34	42.66	333.29
401.44	42.647	333.33
401.54	42.634	333.4
401.64	42.621	333.47
401.74	42.607	333.56
401.84	42.594	333.66
401.94	42.58	333.77
402.	42.572	333.84
402.01	42.571	333.85
402.02	42.57	333.86
402.05	42.566	333.88
402.14	42.554	333.92
402.24	42.541	333.94
402.34	42.528	333.95
402.44	42.516	
402.54	42.504	333.94
402.64	42.493	333.91
402.74	42.483	333.88
402.84	42.473	333.85
402.94	42.463	333.8
403.	42.458	333.78
403.01	42.457	333.77
403.02	42.456	
403.05	42.453	333.76
403.14	42.445	333.74
403.24	42.437	333.72
403.34	42.429	333.71
403.44	42.42	333.7
403.54	42.412	333.69
403.64	42.404	333.68
403.74	42.396	
403.84	42.388	333.67
403.94	42.379	
404.	42.374	
404.01	42.373	
404.02		
404.05	42.37	
404.14	42.362	333.66
404.24	42.354	
404.34	42.345	333.65
404.44	42.336	
404.54	42.328	333.64
404.64	42.319	333.63
404.74	42.31	
404.84	42.302	333.62
404.94	42.293	333.61
405.	42.288	
405.01	42.287	
405.02	42.286	
405.05	42.283	333.6
405.14	42.275	
405.24	42.267	333.58
405.34	42.258	333.57
405.44	42.249	333.56
405.54	42.24	333.55
405.64	42.232	333.53
405.74	42.223	333.52
405.84	42.214	333.5
405.94	42.206	333.49
406.	42.2	333.48
406.01	42.199	
406.02		333.47
406.05	42.196	

406.14	42.188	333.45
406.24	42.179	333.43
406.34	42.17	333.42
406.44	42.161	333.4
406.54	42.152	333.37
406.64	42.143	333.35
406.74	42.134	333.33
406.84	42.125	333.31
406.94	42.116	333.29
407.	42.11	333.27
407.01		
407.02	42.109	
407.05	42.106	333.26
407.14	42.097	333.25
407.24	42.088	333.23
407.34	42.078	333.21
407.44	42.069	333.19
407.54	42.059	333.18
407.64	42.05	333.16
407.74	42.04	333.15
407.84	42.03	333.13
407.94	42.02	333.12
408.	42.014	333.11
408.01	42.013	
408.02	42.012	
408.05	42.009	
408.14	42.	333.1
408.24	41.99	333.08
408.34	41.98	
408.44	41.97	333.07
408.54	41.96	333.06
408.64	41.95	333.05
408.74	41.94	
408.84	41.93	333.04
408.94	41.921	
409.	41.915	
409.01	41.914	
409.02	41.913	
409.05	41.91	
409.14	41.901	333.03
409.24	41.892	
409.34	41.882	
409.44	41.873	333.02
409.54	41.863	
409.64	41.854	
409.74	41.845	333.01
409.84	41.836	
409.94	41.827	
410.	41.822	
410.01	41.821	
410.02	41.82	333.
410.05	41.818	
410.14	41.81	
410.24	41.802	332.99
410.34	41.793	332.98
410.44	41.785	
410.54	41.777	332.97
410.64	41.769	332.96
410.74	41.761	332.95
410.84	41.753	332.94
410.94	41.745	332.93
411.	41.741	332.92
411.01	41.74	
411.02	41.739	
411.05	41.737	332.93
411.14	41.73	332.94

411.24	41.723	332.97
411.34	41.716	333.
411.44	41.709	333.04
411.54	41.702	333.08
411.64	41.695	333.13
411.74	41.689	333.18
411.84	41.682	333.24
411.94	41.677	333.3
412.	41.673	333.34
412.01		
412.02	41.672	333.35
412.05	41.67	333.36
412.14	41.666	333.37
412.24	41.661	
412.34	41.656	333.35
412.44	41.651	333.33
412.54	41.647	333.3
412.64	41.643	333.26
412.74	41.64	333.22
412.84	41.636	333.17
412.94	41.633	333.11
413.	41.631	333.07
413.01		
413.02	41.63	333.06
413.05	41.629	333.04
413.14	41.626	332.99
413.24	41.623	332.94
413.34	41.619	332.89
413.44	41.615	332.85
413.54	41.611	332.81
413.64	41.606	332.77
413.74	41.601	332.73
413.84	41.595	332.69
413.94	41.588	332.66
414.	41.584	332.64
414.01		
414.02	41.583	
414.05	41.581	332.63
414.14	41.574	332.6
414.24	41.566	332.57
414.34	41.557	332.55
414.44	41.548	332.52
414.54	41.538	332.5
414.64	41.527	332.47
414.74	41.516	332.44
414.84	41.505	332.42
414.94	41.493	332.39
415.	41.485	332.37
415.01	41.484	
415.02	41.483	332.36
415.05	41.479	
415.14	41.467	332.33
415.24	41.454	332.3
415.34	41.44	332.27
415.44	41.426	332.24
415.54	41.412	332.21
415.64	41.398	332.18
415.74	41.383	332.15
415.84	41.369	332.12
415.94	41.354	332.09
416.	41.345	332.07
416.01	41.343	
416.02	41.342	
416.05	41.338	332.06
416.14	41.324	332.03
416.24	41.31	332.

416.34	41.295	331.97
416.44	41.281	331.95
416.54	41.267	331.92
416.64	41.254	331.9
416.74	41.241	331.88
416.84	41.228	331.9
416.94	41.216	331.96
417.	41.209	332.02
417.01	41.208	
417.02	41.206	332.03
417.05	41.203	332.05
417.14	41.193	332.11
417.24	41.183	332.16
417.34	41.173	332.2
417.44	41.165	332.23
417.54	41.157	332.26
417.64	41.15	332.29
417.74	41.144	332.31
417.84	41.138	332.33
417.94	41.134	332.35
418.	41.132	332.36
418.01	41.131	
418.02		
418.05	41.13	332.35
418.14	41.127	332.32
418.24	41.124	332.27
418.34	41.121	332.2
418.44	41.119	332.12
418.54	41.117	332.06
418.64	41.115	332.01
418.74	41.113	331.96
418.84	41.11	331.91
418.94	41.108	331.87
419.	41.106	331.84
419.01		
419.02	41.105	
419.05	41.104	331.83
419.14	41.101	331.8
419.24	41.098	331.77
419.34	41.093	331.74
419.44	41.089	331.72
419.54	41.083	331.7
419.64	41.077	331.67
419.74	41.071	331.65
419.84	41.063	331.63
419.94	41.056	331.6
420.	41.051	331.59
420.01	41.05	
420.02		
420.05	41.047	331.58
420.14	41.04	331.56
420.24	41.031	331.54
420.34	41.022	331.52
420.44	41.013	331.51
420.54	41.004	331.49
420.64	40.995	331.47
420.74	40.986	331.45
420.84	40.977	331.43
420.94	40.968	331.41
421.	40.963	331.4
421.01	40.962	
421.02	40.961	331.39
421.05	40.958	
421.14	40.95	331.37
421.24	40.941	331.35
421.34	40.932	331.32

421.44	40.923	331.3
421.54	40.914	331.28
421.64	40.905	331.25
421.74	40.896	331.23
421.84	40.887	331.21
421.94	40.878	331.19
422.	40.873	331.18
422.01	40.872	
422.02	40.871	
422.05	40.869	331.17
422.14	40.861	331.15
422.24	40.852	331.14
422.34	40.843	331.12
422.44	40.835	331.1
422.54	40.826	331.09
422.64	40.818	331.07
422.74	40.81	331.05
422.84	40.801	331.03
422.94	40.793	331.01
423.	40.788	331.
423.01		
423.02	40.787	330.99
423.05	40.784	
423.14	40.777	330.97
423.24	40.769	330.94
423.34	40.761	330.92
423.44	40.754	330.9
423.54	40.746	330.88
423.64	40.738	330.86
423.74	40.731	330.84
423.84	40.724	330.83
423.94	40.716	330.86
424.	40.712	330.9
424.01		330.91
424.02	40.711	330.92
424.05	40.709	330.93
424.14	40.703	330.95
424.24	40.697	330.96
424.34	40.691	
424.44	40.685	330.95
424.54	40.68	330.92
424.64	40.676	330.89
424.74	40.672	330.86
424.84	40.668	330.84
424.94	40.665	330.82
425.	40.663	330.81
425.01		330.8
425.02	40.662	
425.05		
425.14	40.659	330.78
425.24	40.656	330.76
425.34	40.654	330.74
425.44	40.651	330.72
425.54	40.648	330.7
425.64	40.645	330.68
425.74	40.641	330.66
425.84	40.637	330.64
425.94	40.633	330.62
426.	40.63	330.61
426.01		
426.02	40.629	
426.05	40.628	330.6
426.14	40.624	330.58
426.24	40.618	330.56
426.34	40.613	330.54
426.44	40.607	330.51

426.54	40.6	330.49
426.64	40.593	330.46
426.74	40.586	330.44
426.84	40.579	330.41
426.94	40.571	330.39
427.	40.567	330.38
427.01	40.566	330.37
427.02	40.565	
427.05	40.563	330.36
427.14	40.556	330.34
427.24	40.547	330.32
427.34	40.539	330.3
427.44	40.531	330.28
427.54	40.522	330.26
427.64	40.514	330.23
427.74	40.505	330.21
427.84	40.497	330.19
427.94	40.488	330.16
428.	40.483	330.14
428.01	40.482	
428.02	40.481	
428.05	40.479	330.13
428.14	40.471	330.11
428.24	40.462	330.08
428.34	40.453	330.05
428.44	40.444	330.02
428.54	40.435	329.99
428.64	40.426	329.96
428.74	40.417	329.94
428.84	40.408	329.91
428.94	40.399	329.88
429.	40.393	329.87
429.01	40.392	
429.02	40.391	
429.05	40.389	329.86
429.14	40.38	329.84
429.24	40.371	329.82
429.34	40.363	329.8
429.44	40.354	329.77
429.54	40.345	329.75
429.64	40.337	329.73
429.74	40.329	329.71
429.84	40.321	329.69
429.94	40.313	329.66
430.	40.308	329.65
430.01	40.307	
430.02		
430.05	40.304	329.64
430.14	40.297	329.61
430.24	40.29	329.59
430.34	40.282	329.56
430.44	40.274	329.53
430.54	40.266	329.51
430.64	40.258	329.48
430.74	40.251	329.45
430.84	40.243	329.43
430.94	40.235	329.4
431.	40.23	329.39
431.01	40.229	329.38
431.02	40.228	
431.05	40.226	329.37
431.14	40.219	329.35
431.24	40.211	329.33
431.34	40.203	329.3
431.44	40.195	329.28
431.54	40.187	329.26

431.64	40.18	329.24
431.74	40.173	329.22
431.84	40.165	329.2
431.94	40.159	329.17
432.	40.154	329.16
432.01		
432.02	40.153	
432.05	40.151	329.15
432.14	40.145	329.13
432.24	40.139	329.11
432.34	40.132	329.09
432.44	40.126	329.07
432.54	40.12	329.05
432.64	40.114	329.03
432.74	40.108	329.01
432.84	40.102	328.99
432.94	40.096	328.97
433.	40.093	328.95
433.01	40.092	
433.02	40.091	
433.05	40.09	328.94
433.14	40.085	328.93
433.24	40.079	328.9
433.34	40.073	328.88
433.44	40.068	328.86
433.54	40.062	328.84
433.64	40.057	328.82
433.74	40.051	328.8
433.84	40.045	328.78
433.94	40.04	328.76
434.	40.037	328.74
434.01	40.036	
434.02		
434.05	40.034	328.73
434.14	40.029	328.71
434.24	40.023	328.69
434.34	40.018	328.67
434.44	40.012	328.65
434.54	40.006	328.63
434.64	40.	328.6
434.74	39.994	328.58
434.84	39.988	328.55
434.94	39.982	328.53
435.	39.978	328.51
435.01	39.977	
435.02		328.5
435.05	39.975	
435.14	39.969	328.47
435.24	39.962	328.44
435.34	39.955	328.41
435.44	39.947	328.38
435.54	39.94	328.34
435.64	39.932	328.31
435.74	39.923	328.28
435.84	39.915	328.24
435.94	39.906	328.21
436.	39.9	328.19
436.01	39.899	
436.02		328.18
436.05	39.896	328.17
436.14	39.887	328.14
436.24	39.878	328.11
436.34	39.868	328.07
436.44	39.859	328.04
436.54	39.849	328.
436.64	39.839	327.97

436.74	39.829	327.93
436.84	39.82	327.9
436.94	39.81	327.87
437.	39.804	327.85
437.01	39.803	
437.02	39.802	
437.05	39.799	327.84
437.14	39.791	327.81
437.24	39.781	327.78
437.34	39.772	327.75
437.44	39.763	327.72
437.54	39.754	327.69
437.64	39.745	327.66
437.74	39.736	327.63
437.84	39.727	327.6
437.94	39.719	327.57
438.	39.714	327.55
438.01	39.713	
438.02	39.712	
438.05	39.709	327.54
438.14	39.702	327.51
438.24	39.693	327.47
438.34	39.685	327.44
438.44	39.676	327.4
438.54	39.667	327.37
438.64	39.658	327.33
438.74	39.649	327.3
438.84	39.64	327.26
438.94	39.631	327.22
439.	39.625	327.2
439.01	39.624	
439.02		
439.05	39.621	327.18
439.14	39.612	327.15
439.24	39.603	327.12
439.34	39.593	327.08
439.44	39.584	327.04
439.54	39.574	327.01
439.64	39.564	326.97
439.74	39.555	326.93
439.84	39.545	326.9
439.94	39.535	326.86
440.	39.53	326.84
440.01	39.529	
440.02	39.528	326.83
440.05	39.525	326.82
440.14	39.516	326.79
440.24	39.506	326.75
440.34	39.497	326.71
440.44	39.487	326.67
440.54	39.477	326.64
440.64	39.467	326.6
440.74	39.458	326.56
440.84	39.448	326.52
440.94	39.438	326.48
441.	39.432	326.46
441.01	39.431	326.45
441.02	39.43	
441.05	39.427	326.44
441.14	39.418	326.4
441.24	39.408	326.37
441.34	39.398	326.33
441.44	39.389	326.29
441.54	39.379	326.25
441.64	39.369	326.21
441.74	39.359	326.17

441.84	39.349	326.13
441.94	39.339	326.09
442.	39.334	326.07
442.01	39.333	326.06
442.02	39.332	
442.05	39.329	326.05
442.14	39.32	326.01
442.24	39.31	325.97
442.34	39.301	325.94
442.44	39.291	325.9
442.54	39.281	325.86
442.64	39.272	325.82
442.74	39.262	325.78
442.84	39.253	325.74
442.94	39.244	325.7
443.	39.238	325.68
443.01	39.237	
443.02	39.236	325.67
443.05	39.233	325.66
443.14	39.225	325.62
443.24	39.216	325.59
443.34	39.207	325.55
443.44	39.198	325.51
443.54	39.189	325.47
443.64	39.18	325.43
443.74	39.171	325.39
443.84	39.162	325.36
443.94	39.154	325.32
444.	39.148	325.3
444.01	39.147	325.29
444.02		
444.05	39.144	325.28
444.14	39.136	325.24
444.24	39.128	325.2
444.34	39.119	325.17
444.44	39.111	325.13
444.54	39.103	325.09
444.64	39.094	325.05
444.74	39.086	325.01
444.84	39.078	324.98
444.94	39.07	324.94
445.	39.065	324.92
445.01	39.064	324.91
445.02	39.063	
445.05	39.061	324.9
445.14	39.054	324.86
445.24	39.046	324.82
445.34	39.038	324.79
445.44	39.03	324.75
445.54	39.022	324.71
445.64	39.015	324.68
445.74	39.007	324.64
445.84	39.	324.61
445.94	38.993	324.57
446.	38.989	324.55
446.01	38.988	
446.02	38.987	324.54
446.05	38.985	324.53
446.14	38.979	324.5
446.24	38.973	324.47
446.34	38.966	324.44
446.44	38.96	324.41
446.54	38.954	324.38
446.64	38.948	324.35
446.74	38.943	324.32
446.84	38.938	324.29

446.94	38.932	324.26
447.	38.929	324.24
447.01		
447.02	38.928	324.23
447.05	38.927	
447.14	38.923	324.2
447.24	38.918	324.17
447.34	38.914	324.14
447.44	38.909	324.11
447.54	38.905	324.08
447.64	38.901	324.05
447.74	38.897	324.03
447.84	38.893	324.
447.94	38.889	323.97
448.	38.887	323.95
448.01		
448.02	38.886	323.94
448.05	38.885	
448.14	38.882	323.91
448.24	38.878	323.88
448.34	38.874	323.85
448.44	38.87	323.82
448.54	38.866	323.79
448.64	38.863	323.76
448.74	38.858	323.73
448.84	38.854	323.7
448.94	38.85	323.67
449.	38.848	323.65
449.01	38.847	323.64
449.02		
449.05	38.845	323.63
449.14	38.841	323.6
449.24	38.837	323.57
449.34	38.832	323.53
449.44	38.827	323.5
449.54	38.822	323.46
449.64	38.817	323.43
449.74	38.811	323.39
449.84	38.805	323.35
449.94	38.8	323.32
450.	38.796	323.29
450.01	38.795	
450.02		
450.05	38.793	323.28
450.14	38.788	323.24
450.24	38.781	323.21
450.34	38.775	323.17
450.44	38.768	323.13
450.54	38.762	323.09
450.64	38.755	323.06
450.74	38.749	323.02
450.84	38.742	322.98
450.94	38.735	322.94
451.	38.731	322.92
451.01	38.73	
451.02		322.91
451.05	38.728	322.9
451.14	38.721	322.87
451.24	38.715	322.83
451.34	38.708	322.79
451.44	38.701	322.76
451.54	38.694	322.72
451.64	38.687	322.68
451.74	38.68	322.64
451.84	38.673	322.61
451.94	38.666	322.57

452.	38.662	322.55
452.01	38.661	322.54
452.02	38.66	
452.05	38.658	322.53
452.14	38.652	322.49
452.24	38.645	322.46
452.34	38.638	322.42
452.44	38.631	322.38
452.54	38.624	322.34
452.64	38.618	322.31
452.74	38.611	322.27
452.84	38.604	322.23
452.94	38.597	322.19
453.	38.593	322.17
453.01	38.592	
453.02	38.591	322.16
453.05	38.589	322.15
453.14	38.583	322.12
453.24	38.576	322.08
453.34	38.57	322.04
453.44	38.563	322.01
453.54	38.556	321.97
453.64	38.549	321.93
453.74	38.543	321.89
453.84	38.536	321.85
453.94	38.529	321.82
454.	38.525	321.79
454.01		
454.02	38.524	
454.05	38.522	321.78
454.14	38.516	321.74
454.24	38.509	321.7
454.34	38.503	321.67
454.44	38.496	321.63
454.54	38.49	321.59
454.64	38.483	321.55
454.74	38.476	321.51
454.84	38.47	321.48
454.94	38.463	321.44
455.	38.46	321.42
455.01	38.459	321.41
455.02	38.458	
455.05	38.456	321.4
455.14	38.451	321.36
455.24	38.444	321.33
455.34	38.438	321.29
455.44	38.431	321.25
455.54	38.425	321.21
455.64	38.419	321.18
455.74	38.412	321.14
455.84	38.406	321.1
455.94	38.4	321.06
456.	38.396	321.04
456.01	38.395	
456.02		321.03
456.05	38.393	321.02
456.14	38.387	320.99
456.24	38.381	320.95
456.34	38.375	320.91
456.44	38.369	320.87
456.54	38.363	320.84
456.64	38.357	320.8
456.74	38.351	320.76
456.84	38.345	320.73
456.94	38.339	320.69
457.	38.336	

457.01	38.335	320.67
457.02		320.66
457.05	38.333	320.65
457.14	38.328	320.62
457.24	38.323	320.59
457.34	38.317	320.55
457.44	38.312	320.52
457.54	38.307	320.49
457.64	38.302	320.45
457.74	38.297	320.42
457.84	38.292	320.39
457.94	38.287	320.35
458.	38.284	320.33
458.01		
458.02	38.283	320.32
458.05	38.282	320.31
458.14	38.278	320.28
458.24	38.273	320.25
458.34	38.268	320.21
458.44	38.264	320.18
458.54	38.259	320.14
458.64	38.254	320.1
458.74	38.249	320.07
458.84	38.245	320.03
458.94	38.24	320.
459.	38.237	319.98
459.01		319.97
459.02	38.236	
459.05	38.235	319.96
459.14	38.23	319.93
459.24	38.226	319.9
459.34	38.221	319.86
459.44	38.216	319.83
459.54	38.212	319.8
459.64	38.207	319.76
459.74	38.203	319.73
459.84	38.198	319.69
459.94	38.194	319.66
460.	38.191	319.64
460.01	38.19	
460.02		319.63
460.05	38.189	319.62
460.14	38.185	319.59
460.24	38.18	319.56
460.34	38.175	319.52
460.44	38.171	319.48
460.54	38.166	319.45
460.64	38.162	319.41
460.74	38.157	319.38
460.84	38.152	319.34
460.94	38.148	319.31
461.	38.145	319.29
461.01	38.144	319.28
461.02		
461.05	38.142	319.27
461.14	38.138	319.24
461.24	38.134	319.2
461.34	38.129	319.17
461.44	38.124	319.14
461.54	38.12	319.1
461.64	38.115	319.07
461.74	38.11	319.03
461.84	38.106	319.
461.94	38.101	318.97
462.	38.098	318.95
462.01		

462.02	38.097	318.94
462.05	38.096	318.93
462.14	38.092	318.9
462.24	38.087	318.86
462.34	38.083	318.82
462.44	38.078	318.79
462.54	38.073	318.75
462.64	38.068	318.72
462.74	38.063	318.68
462.84	38.058	318.64
462.94	38.053	318.6
463.	38.05	318.58
463.01	38.049	
463.02		318.57
463.05	38.047	318.56
463.14	38.043	318.53
463.24	38.037	318.49
463.34	38.032	318.46
463.44	38.027	318.42
463.54	38.021	318.38
463.64	38.016	318.35
463.74	38.011	318.31
463.84	38.006	318.27
463.94	38.	318.24
464.	37.997	318.22
464.01		318.21
464.02	37.996	
464.05	37.995	318.2
464.14	37.99	318.17
464.24	37.985	318.13
464.34	37.98	318.1
464.44	37.975	318.07
464.54	37.97	318.03
464.64	37.966	318.
464.74	37.961	317.96
464.84	37.957	317.93
464.94	37.952	317.9
465.	37.95	317.88
465.01	37.949	
465.02		317.87
465.05	37.948	317.86
465.14	37.944	317.83
465.24	37.94	317.8
465.34	37.936	317.77
465.44	37.932	317.74
465.54	37.928	317.7
465.64	37.924	317.67
465.74	37.92	317.64
465.84	37.916	317.6
465.94	37.912	317.57
466.	37.909	317.55
466.01		
466.02	37.908	317.54
466.05	37.907	317.53
466.14	37.904	317.5
466.24	37.899	317.47
466.34	37.895	317.43
466.44	37.891	317.4
466.54	37.887	317.36
466.64	37.882	317.33
466.74	37.878	317.29
466.84	37.873	317.25
466.94	37.869	317.22
467.	37.866	317.2
467.01		317.19
467.02	37.865	

467.05	37.864	317.18
467.14	37.86	317.15
467.24	37.855	317.11
467.34	37.85	317.08
467.44	37.845	317.04
467.54	37.841	317.
467.64	37.836	316.97
467.74	37.831	316.93
467.84	37.826	316.9
467.94	37.821	316.86
468.	37.819	316.84
468.01	37.818	
468.02		
468.05	37.816	316.83
468.14	37.812	316.8
468.24	37.807	316.77
468.34	37.803	316.74
468.44	37.798	316.71
468.54	37.794	316.68
468.64	37.79	316.65
468.74	37.786	316.62
468.84	37.781	316.59
468.94	37.777	316.56
469.	37.775	316.54
469.01	37.774	
469.02		
469.05	37.773	316.53
469.14	37.769	316.5
469.24	37.765	316.47
469.34	37.762	316.44
469.44	37.758	316.41
469.54	37.754	316.38
469.64	37.75	316.35
469.74	37.746	316.32
469.84	37.743	316.29
469.94	37.739	316.26
470.	37.736	316.24
470.01		
470.02		
470.05	37.735	316.23
470.14	37.731	316.2
470.24	37.727	316.17
470.34	37.723	316.14
470.44	37.719	316.11
470.54	37.715	316.07
470.64	37.711	316.04
470.74	37.707	316.01
470.84	37.703	315.98
470.94	37.699	315.95
471.	37.696	315.93
471.01		
471.02	37.695	315.92
471.05	37.694	
471.14	37.69	315.89
471.24	37.686	315.86
471.34	37.682	315.83
471.44	37.678	315.8
471.54	37.674	315.77
471.64	37.67	315.74
471.74	37.666	315.71
471.84	37.662	315.68
471.94	37.658	315.65
472.	37.655	315.63
472.01		315.62
472.02	37.654	
472.05	37.653	315.61

472.14	37.649	315.58
472.24	37.645	315.55
472.34	37.641	315.52
472.44	37.637	315.49
472.54	37.633	315.46
472.64	37.628	315.43
472.74	37.624	315.39
472.84	37.62	315.36
472.94	37.615	315.33
473.	37.613	315.31
473.01	37.612	
473.02		
473.05	37.611	315.3
473.14	37.607	315.27
473.24	37.602	315.24
473.34	37.598	315.2
473.44	37.593	315.17
473.54	37.588	315.14
473.64	37.584	315.11
473.74	37.579	315.08
473.84	37.575	315.05
473.94	37.57	315.01
474.	37.567	314.99
474.01		
474.02	37.566	
474.05	37.565	314.98
474.14	37.561	314.95
474.24	37.556	314.92
474.34	37.552	314.89
474.44	37.547	314.85
474.54	37.542	314.82
474.64	37.538	314.79
474.74	37.533	314.76
474.84	37.528	314.73
474.94	37.524	314.69
475.	37.521	314.68
475.01	37.52	314.67
475.02		
475.05	37.518	314.66
475.14	37.514	314.63
475.24	37.51	314.6
475.34	37.505	314.57
475.44	37.5	314.53
475.54	37.495	314.5
475.64	37.491	314.47
475.74	37.486	314.44
475.84	37.481	314.4
475.94	37.476	314.37
476.	37.474	314.35
476.01	37.473	
476.02		
476.05	37.471	314.34
476.14	37.467	314.31
476.24	37.462	314.27
476.34	37.458	314.24
476.44	37.453	314.21
476.54	37.448	314.18
476.64	37.443	314.15
476.74	37.439	314.11
476.84	37.434	314.08
476.94	37.429	314.05
477.	37.426	314.03
477.01		
477.02		314.02
477.05	37.424	314.01
477.14	37.42	313.98

477.24	37.415	313.95
477.34	37.411	313.92
477.44	37.406	313.89
477.54	37.402	313.86
477.64	37.397	313.83
477.74	37.393	313.79
477.84	37.388	313.76
477.94	37.384	313.73
478.	37.381	313.71
478.01		
478.02		
478.05	37.379	313.7
478.14	37.375	313.67
478.24	37.371	313.64
478.34	37.367	313.61
478.44	37.363	313.58
478.54	37.359	313.55
478.64	37.355	313.52
478.74	37.351	313.49
478.84	37.347	313.46
478.94	37.344	313.43
479.	37.341	313.41
479.01		
479.02		313.4
479.05	37.339	313.39
479.14	37.336	313.36
479.24	37.332	313.33
479.34	37.328	313.3
479.44	37.325	313.27
479.54	37.321	313.24
479.64	37.317	313.21
479.74	37.313	313.18
479.84	37.31	313.15
479.94	37.306	313.12
480.	37.303	313.1
480.01		313.09
480.02		
480.05	37.302	313.08
480.14	37.298	313.05
480.24	37.295	313.02
480.34	37.291	312.99
480.44	37.287	312.96
480.54	37.283	312.93
480.64	37.28	312.9
480.74	37.276	312.87
480.84	37.273	312.84
480.94	37.269	312.81
481.	37.267	312.8
481.01		312.79
481.02		
481.05	37.266	312.78
481.14	37.263	312.76
481.24	37.259	312.73
481.34	37.256	312.7
481.44	37.252	312.67
481.54	37.249	312.64
481.64	37.246	312.61
481.74	37.242	312.58
481.84	37.239	312.55
481.94	37.235	312.51
482.	37.233	312.5
482.01		312.49
482.02		
482.05	37.232	312.48
482.14	37.228	312.45
482.24	37.225	312.42

482.34	37.221	312.39
482.44	37.218	312.36
482.54	37.214	312.33
482.64	37.21	312.3
482.74	37.207	312.26
482.84	37.203	312.23
482.94	37.199	312.2
483.	37.197	312.18
483.01		
483.02	37.196	
483.05	37.195	312.17
483.14	37.192	312.14
483.24	37.188	312.11
483.34	37.184	312.08
483.44	37.18	312.05
483.54	37.176	312.02
483.64	37.173	311.99
483.74	37.169	311.96
483.84	37.165	311.93
483.94	37.161	311.9
484.	37.159	311.88
484.01	37.158	311.87
484.02		
484.05	37.157	311.86
484.14	37.153	311.83
484.24	37.15	311.8
484.34	37.146	311.77
484.44	37.142	311.74
484.54	37.138	311.71
484.64	37.134	311.68
484.74	37.13	311.64
484.84	37.126	311.61
484.94	37.122	311.58
485.	37.119	311.56
485.01		
485.02		
485.05	37.117	311.55
485.14	37.114	311.52
485.24	37.11	311.49
485.34	37.105	311.45
485.44	37.101	311.42
485.54	37.097	311.39
485.64	37.093	311.36
485.74	37.089	311.33
485.84	37.084	311.29
485.94	37.08	311.26
486.	37.078	311.24
486.01	37.077	
486.02		
486.05	37.076	311.23
486.14	37.072	311.2
486.24	37.068	311.17
486.34	37.063	311.14
486.44	37.059	311.1
486.54	37.055	311.07
486.64	37.051	311.04
486.74	37.046	311.01
486.84	37.042	310.98
486.94	37.038	310.95
487.	37.036	310.93
487.01	37.035	310.92
487.02		
487.05	37.033	310.91
487.14	37.03	310.88
487.24	37.025	310.85
487.34	37.021	310.82

487.44	37.017	310.79
487.54	37.013	310.76
487.64	37.009	310.72
487.74	37.004	310.69
487.84	37.	310.66
487.94	36.996	310.63
488.	36.993	310.61
488.01		310.6
488.02	36.992	
488.05	36.991	310.59
488.14	36.987	310.56
488.24	36.983	310.53
488.34	36.979	310.5
488.44	36.974	310.47
488.54	36.97	310.43
488.64	36.966	310.4
488.74	36.961	310.37
488.84	36.957	310.34
488.94	36.952	310.3
489.	36.95	310.28
489.01	36.949	
489.02		
489.05	36.948	310.27
489.14	36.944	310.24
489.24	36.939	310.21
489.34	36.935	310.17
489.44	36.931	310.14
489.54	36.926	310.11
489.64	36.922	310.08
489.74	36.918	310.05
489.84	36.913	310.01
489.94	36.909	309.98
490.	36.907	309.96
490.01	36.906	
490.02		
490.05	36.904	309.95
490.14	36.901	309.92
490.24	36.896	309.89
490.34	36.892	309.85
490.44	36.888	309.82
490.54	36.884	309.79
490.64	36.88	309.76
490.74	36.876	309.73
490.84	36.872	309.69
490.94	36.868	309.66
491.	36.865	309.64
491.01		
491.02	36.864	
491.05	36.863	309.63
491.14	36.86	309.6
491.24	36.856	309.57
491.34	36.852	309.54
491.44	36.848	309.51
491.54	36.844	309.47
491.64	36.84	309.44
491.74	36.836	309.41
491.84	36.832	309.38
491.94	36.828	309.35
492.	36.826	309.33
492.01		
492.02	36.825	309.32
492.05	36.824	309.31
492.14	36.821	309.29
492.24	36.817	309.26
492.34	36.813	309.22
492.44	36.81	309.19

492.54	36.806	309.16
492.64	36.803	309.13
492.74	36.799	309.1
492.84	36.796	309.07
492.94	36.792	309.04
493.	36.79	309.02
493.01		
493.02	36.789	
493.05	36.788	309.01
493.14	36.785	308.98
493.24	36.782	308.95
493.34	36.779	308.92
493.44	36.776	308.89
493.54	36.773	308.87
493.64	36.77	308.84
493.74	36.767	308.81
493.84	36.764	308.78
493.94	36.761	308.75
494.	36.759	308.73
494.01		
494.02		308.72
494.05	36.758	
494.14	36.755	308.69
494.24	36.752	308.66
494.34	36.749	308.63
494.44	36.747	308.6
494.54	36.744	308.57
494.64	36.741	308.54
494.74	36.737	308.51
494.84	36.734	308.47
494.94	36.731	308.44
495.	36.729	308.42
495.01		
495.02		
495.05	36.728	308.41
495.14	36.725	308.38
495.24	36.721	308.35
495.34	36.718	308.32
495.44	36.714	308.29
495.54	36.711	308.26
495.64	36.708	308.23
495.74	36.704	308.19
495.84	36.7	308.16
495.94	36.697	308.13
496.	36.695	308.11
496.01	36.694	
496.02		
496.05	36.693	308.1
496.14	36.69	308.07
496.24	36.686	308.04
496.34	36.682	308.01
496.44	36.679	307.98
496.54	36.675	307.95
496.64	36.671	307.91
496.74	36.668	307.88
496.84	36.664	307.85
496.94	36.66	307.82
497.	36.658	307.8
497.01	36.657	
497.02		307.79
497.05	36.656	307.78
497.14	36.652	307.76
497.24	36.648	307.72
497.34	36.645	307.69
497.44	36.641	307.66
497.54	36.637	307.63

497.64	36.633	307.6
497.74	36.629	307.56
497.84	36.625	307.53
497.94	36.621	307.5
498.	36.618	307.48
498.01		
498.02	36.617	307.47
498.05	36.616	307.46
498.14	36.613	307.44
498.24	36.609	307.4
498.34	36.605	307.37
498.44	36.601	307.34
498.54	36.597	307.31
498.64	36.593	307.28
498.74	36.589	307.25
498.84	36.585	307.22
498.94	36.581	307.19
499.	36.579	307.17
499.01	36.578	307.16
499.02		
499.05	36.577	307.15
499.14	36.573	307.12
499.24	36.57	307.09
499.34	36.566	307.06
499.44	36.562	307.03
499.54	36.558	307.
499.64	36.555	306.97
499.74	36.551	306.94
499.84	36.547	306.9
499.94	36.543	306.87
500.	36.541	306.85
500.01		
500.02	36.54	
500.05	36.539	306.84
500.14	36.536	306.81
500.24	36.532	306.78
500.34	36.529	306.75
500.44	36.525	306.72
500.54	36.521	306.69
500.64	36.518	306.66
500.74	36.514	306.62
500.84	36.511	306.59
500.94	36.507	306.56
501.	36.505	306.54
501.01	36.504	
501.02		
501.05	36.503	306.53
501.14	36.5	306.5
501.24	36.496	306.47
501.34	36.493	306.44
501.44	36.489	306.41
501.54	36.485	306.38
501.64	36.482	306.34
501.74	36.478	306.31
501.84	36.475	306.28
501.94	36.471	306.25
502.	36.469	306.23
502.01	36.468	
502.02		
502.05	36.467	306.22
502.14	36.464	306.19
502.24	36.46	306.16
502.34	36.456	306.13
502.44	36.453	306.09
502.54	36.449	306.06
502.64	36.446	306.03

502.74	36.442	306.
502.84	36.438	305.97
502.94	36.434	305.94
503.	36.432	305.92
503.01		305.91
503.02		
503.05	36.43	305.9
503.14	36.427	305.87
503.24	36.423	305.84
503.34	36.42	305.81
503.44	36.416	305.78
503.54	36.413	305.75
503.64	36.409	305.72
503.74	36.405	305.69
503.84	36.402	305.66
503.94	36.398	305.63
504.	36.396	305.61
504.01		
504.02	36.395	305.6
504.05	36.394	305.59
504.14	36.391	305.57
504.24	36.388	305.54
504.34	36.384	305.5
504.44	36.381	305.47
504.54	36.378	305.44
504.64	36.374	305.41
504.74	36.371	305.38
504.84	36.368	305.35
504.94	36.364	305.32
505.	36.362	305.3
505.01		
505.02		
505.05	36.361	305.29
505.14	36.358	305.26
505.24	36.355	305.23
505.34	36.352	305.2
505.44	36.348	305.17
505.54	36.345	305.14
505.64	36.342	305.11
505.74	36.339	305.08
505.84	36.336	305.05
505.94	36.332	305.02
506.	36.33	305.
506.01		
506.02		
506.05	36.329	304.99
506.14	36.326	304.96
506.24	36.323	304.93
506.34	36.32	304.9
506.44	36.317	304.87
506.54	36.313	304.84
506.64	36.31	304.81
506.74	36.307	304.78
506.84	36.304	304.75
506.94	36.301	304.72
507.	36.299	304.7
507.01	36.298	304.69
507.02		
507.05	36.297	304.68
507.14	36.294	304.65
507.24	36.291	304.62
507.34	36.288	304.59
507.44	36.285	304.56
507.54	36.281	304.53
507.64	36.278	304.5
507.74	36.275	304.47

507.84	36.272	304.44
507.94	36.269	304.41
508.	36.267	304.39
508.01	36.266	
508.02		
508.05	36.265	304.38
508.14	36.262	304.35
508.24	36.259	304.32
508.34	36.256	304.29
508.44	36.253	304.26
508.54	36.25	304.23
508.64	36.246	304.2
508.74	36.243	304.17
508.84	36.24	304.14
508.94	36.237	304.11
509.	36.235	304.09
509.01		
509.02		
509.05	36.234	304.08
509.14	36.231	304.05
509.24	36.228	304.02
509.34	36.225	303.99
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509.64	36.215	303.9
509.74	36.212	303.87
509.84	36.209	303.84
509.94	36.206	303.81
510.	36.204	303.79
510.01		
510.02	36.203	
510.05		303.78
510.14	36.2	303.75
510.24	36.197	303.72
510.34	36.194	303.69
510.44	36.19	303.66
510.54	36.187	303.63
510.64	36.184	303.6
510.74	36.181	303.57
510.84	36.178	303.54
510.94	36.175	303.51
511.	36.173	303.49
511.01		
511.02	36.172	
511.05		303.48
511.14	36.169	303.45
511.24	36.166	303.42
511.34	36.163	303.39
511.44	36.159	303.36
511.54	36.156	303.33
511.64	36.153	303.3
511.74	36.15	303.27
511.84	36.147	303.24
511.94	36.144	303.21
512.	36.142	303.19
512.01		
512.02	36.141	
512.05	36.14	303.18
512.14	36.138	303.15
512.24	36.134	303.12
512.34	36.131	303.09
512.44	36.128	303.06
512.54	36.125	303.03
512.64	36.122	303.
512.74	36.119	302.97
512.84	36.115	302.94

512.94	36.112	302.91
513.	36.11	302.89
513.01		
513.02		
513.05	36.109	302.88
513.14	36.106	302.85
513.24	36.102	302.82
513.34	36.099	302.79
513.44	36.096	302.76
513.54	36.092	302.73
513.64	36.089	302.7
513.74	36.086	302.67
513.84	36.082	302.64
513.94	36.079	302.6
514.	36.077	302.59
514.01		302.58
514.02	36.076	
514.05	36.075	302.57
514.14	36.072	302.54
514.24	36.069	302.51
514.34	36.065	302.48
514.44	36.062	302.45
514.54	36.058	302.42
514.64	36.055	302.39
514.74	36.051	302.36
514.84	36.048	302.33
514.94	36.045	302.3
515.	36.042	302.28
515.01		
515.02		302.27
515.05	36.041	302.26
515.14	36.038	302.24
515.24	36.034	302.21
515.34	36.031	302.17
515.44	36.027	302.14
515.54	36.024	302.11
515.64	36.02	302.08
515.74	36.017	302.05
515.84	36.013	302.02
515.94	36.01	301.99
516.	36.008	301.97
516.01	36.007	
516.02		
516.05	36.006	301.96
516.14	36.003	301.93
516.24	35.999	301.9
516.34	35.996	301.87
516.44	35.992	301.84
516.54	35.989	301.81
516.64	35.986	301.78
516.74	35.982	301.75
516.84	35.979	301.72
516.94	35.975	301.69
517.	35.973	301.67
517.01		301.66
517.02		
517.05	35.972	301.65
517.14	35.968	301.62
517.24	35.965	301.59
517.34	35.962	301.56
517.44	35.958	301.53
517.54	35.955	301.5
517.64	35.951	301.47
517.74	35.948	301.44
517.84	35.944	301.41
517.94	35.941	301.38

518.	35.939	301.36
518.01	35.938	
518.02		301.35
518.05	35.937	301.34
518.14	35.934	301.32
518.24	35.93	301.29
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518.54	35.92	301.19
518.64	35.917	301.16
518.74	35.913	301.13
518.84	35.91	301.1
518.94	35.907	301.07
519.	35.905	301.05
519.01	35.904	
519.02		
519.05	35.903	301.04
519.14	35.9	301.01
519.24	35.897	300.98
519.34	35.893	300.95
519.44	35.89	300.92
519.54	35.886	300.89
519.64	35.883	300.86
519.74	35.88	300.83
519.84	35.876	300.8
519.94	35.873	300.77
520.	35.871	300.75
520.01		300.74
520.02	35.87	
520.05	35.869	300.73
520.14	35.866	300.7
520.24	35.863	300.67
520.34	35.859	300.64
520.44	35.856	300.61
520.54	35.853	300.58
520.64	35.849	300.55
520.74	35.846	300.52
520.84	35.842	300.49
520.94	35.839	300.46
521.	35.836	300.44
521.01		300.43
521.02		
521.05	35.835	300.42
521.14	35.832	300.39
521.24	35.828	300.36
521.34	35.824	300.33
521.44	35.821	300.3
521.54	35.817	300.27
521.64	35.814	300.24
521.74	35.81	300.21
521.84	35.807	300.17
521.94	35.803	300.14
522.	35.801	300.12
522.01		
522.02	35.8	
522.05	35.799	300.11
522.14	35.796	300.08
522.24	35.792	300.05
522.34	35.789	300.02
522.44	35.785	299.99
522.54	35.781	299.95
522.64	35.778	299.92
522.74	35.774	299.89
522.84	35.77	299.86
522.94	35.767	299.83
523.		

523.01	35.764	299.81
523.02		299.8
523.05	35.763	299.79
523.14	35.759	299.77
523.24	35.756	299.73
523.34	35.752	299.7
523.44	35.748	299.67
523.54	35.745	299.64
523.64	35.741	299.61
523.74	35.737	299.58
523.84	35.734	299.54
523.94	35.73	299.51
524.	35.728	299.49
524.01	35.727	
524.02		
524.05	35.726	299.48
524.14	35.723	299.45
524.24	35.719	299.42
524.34	35.715	299.39
524.44	35.712	299.36
524.54	35.708	299.33
524.64	35.705	299.3
524.74	35.701	299.27
524.84	35.698	299.23
524.94	35.695	299.2
525.	35.693	299.19
525.01	35.692	299.18
525.02		
525.05	35.691	299.17
525.14	35.688	299.14
525.24	35.685	299.11
525.34	35.682	299.08
525.44	35.678	299.05
525.54	35.675	299.02
525.64	35.672	298.99
525.74	35.669	298.96
525.84	35.666	298.93
525.94	35.663	298.9
526.	35.661	298.88
526.01		
526.02	35.66	
526.05	35.659	298.87
526.14	35.657	298.84
526.24	35.654	298.81
526.34	35.651	298.78
526.44	35.647	298.75
526.54	35.644	298.72
526.64	35.641	298.69
526.74	35.638	298.66
526.84	35.635	298.63
526.94	35.632	298.6
527.	35.63	298.58
527.01		
527.02		298.57
527.05	35.629	298.56
527.14	35.626	298.54
527.24	35.623	298.51
527.34	35.62	298.47
527.44	35.617	298.44
527.54	35.614	298.41
527.64	35.611	298.38
527.74	35.607	298.35
527.84	35.604	298.32
527.94	35.601	298.29
528.	35.599	298.27
528.01		

528.02	35.598	
528.05	35.597	298.26
528.14	35.595	298.23
528.24	35.591	298.2
528.34	35.588	298.17
528.44	35.585	298.14
528.54	35.582	298.11
528.64	35.579	298.08
528.74	35.575	298.04
528.84	35.572	298.01
528.94	35.569	297.98
529.	35.567	297.96
529.01		
529.02	35.566	
529.05	35.565	297.95
529.14	35.563	297.92
529.24	35.559	297.89
529.34	35.556	297.86
529.44	35.553	297.83
529.54	35.55	297.8
529.64	35.547	297.77
529.74	35.543	297.74
529.84	35.54	297.71
529.94	35.537	297.68
530.	35.535	297.66
530.01		
530.02	35.534	297.65
530.05	35.533	297.64
530.14	35.531	297.62
530.24	35.528	297.59
530.34	35.524	297.56
530.44	35.521	297.53
530.54	35.518	297.5
530.64	35.515	297.46
530.74	35.512	297.43
530.84	35.509	297.4
530.94	35.506	297.37
531.	35.504	297.36
531.01		297.35
531.02	35.503	
531.05	35.502	297.34
531.14	35.5	297.31
531.24	35.497	297.28
531.34	35.494	297.25
531.44	35.491	297.22
531.54	35.488	297.19
531.64	35.485	297.16
531.74	35.482	297.13
531.84	35.479	297.1
531.94	35.476	297.07
532.	35.474	297.05
532.01	35.473	
532.02		
532.05	35.472	297.04
532.14	35.47	297.01
532.24	35.467	296.98
532.34	35.464	296.95
532.44	35.461	296.92
532.54	35.458	296.89
532.64	35.455	296.86
532.74	35.452	296.83
532.84	35.449	296.8
532.94	35.446	296.77
533.	35.445	296.76
533.01	35.444	296.75
533.02		

533.05	35.443	296.74
533.14	35.441	296.71
533.24	35.438	296.68
533.34	35.435	296.66
533.44	35.432	296.63
533.54	35.43	296.6
533.64	35.427	296.57
533.74	35.424	296.54
533.84	35.421	296.51
533.94	35.418	296.48
534.	35.417	296.46
534.01	35.416	
534.02		296.45
534.05	35.415	296.44
534.14	35.413	296.42
534.24	35.41	296.39
534.34	35.407	296.36
534.44	35.404	296.33
534.54	35.402	296.3
534.64	35.399	296.27
534.74	35.396	296.24
534.84	35.393	296.21
534.94	35.39	296.18
535.	35.388	296.16
535.01		
535.02		296.15
535.05	35.387	296.14
535.14	35.384	296.12
535.24	35.381	296.09
535.34	35.378	296.06
535.44	35.376	296.03
535.54	35.373	296.
535.64	35.37	295.97
535.74	35.367	295.94
535.84	35.364	295.91
535.94	35.361	295.88
536.	35.359	295.86
536.01		
536.02		295.85
536.05	35.358	
536.14	35.355	295.82
536.24	35.352	295.79
536.34	35.349	295.76
536.44	35.346	295.73
536.54	35.343	295.7
536.64	35.34	295.67
536.74	35.338	295.64
536.84	35.335	295.61
536.94	35.332	295.58
537.	35.33	295.56
537.01		
537.02		
537.05	35.329	295.55
537.14	35.326	295.52
537.24	35.323	295.49
537.34	35.32	295.46
537.44	35.318	295.43
537.54	35.315	295.41
537.64	35.312	295.38
537.74	35.309	295.35
537.84	35.306	295.32
537.94	35.304	295.29
538.	35.302	295.27
538.01		
538.02		295.26
538.05	35.301	

538.14	35.298	295.23
538.24	35.296	295.2
538.34	35.293	295.17
538.44	35.29	295.14
538.54	35.287	295.11
538.64	35.285	295.08
538.74	35.282	295.05
538.84	35.279	295.02
538.94	35.277	295.
539.	35.275	294.98
539.01		
539.02	35.274	294.97
539.05		294.96
539.14	35.271	294.94
539.24	35.269	294.91
539.34	35.266	294.88
539.44	35.263	294.85
539.54	35.261	294.82
539.64	35.258	294.79
539.74	35.256	294.76
539.84	35.253	294.74
539.94	35.25	294.71
540.	35.249	294.69
540.01		
540.02	35.248	294.68
540.05	35.247	
540.14	35.245	294.65
540.24	35.243	294.62
540.34	35.24	294.59
540.44	35.237	294.56
540.54	35.235	294.53
540.64	35.232	294.5
540.74	35.23	294.48
540.84	35.227	294.45
540.94	35.224	294.42
541.	35.222	294.4
541.01		
541.02		294.39
541.05	35.221	294.38
541.14	35.219	294.36
541.24	35.216	294.33
541.34	35.213	294.3
541.44	35.21	294.27
541.54	35.207	294.24
541.64	35.204	294.21
541.74	35.201	294.18
541.84	35.198	294.15
541.94	35.195	294.12
542.	35.193	294.1
542.01		294.09
542.02		
542.05	35.192	294.08
542.14	35.189	294.06
542.24	35.186	294.02
542.34	35.183	293.99
542.44	35.18	293.96
542.54	35.176	293.93
542.64	35.173	293.9
542.74	35.17	293.87
542.84	35.167	293.84
542.94	35.164	293.81
543.	35.162	293.8
543.01	35.161	293.79
543.02		
543.05	35.16	293.78
543.14	35.157	293.75

543.24	35.154	293.72
543.34	35.151	293.69
543.44	35.148	293.66
543.54	35.145	293.63
543.64	35.141	293.6
543.74	35.138	293.57
543.84	35.135	293.54
543.94	35.132	293.51
544.	35.13	293.5
544.01		293.49
544.02	35.129	
544.05		293.48
544.14	35.126	293.45
544.24	35.123	293.42
544.34	35.12	293.39
544.44	35.116	293.36
544.54	35.113	293.33
544.64	35.11	293.3
544.74	35.107	293.27
544.84	35.104	293.24
544.94	35.101	293.21
545.	35.099	293.2
545.01		293.19
545.02	35.098	
545.05	35.097	293.18
545.14	35.095	293.15
545.24	35.091	293.12
545.34	35.088	293.09
545.44	35.085	293.06
545.54	35.082	293.03
545.64	35.079	293.
545.74	35.076	292.97
545.84	35.073	292.94
545.94	35.07	292.91
546.	35.068	292.9
546.01	35.067	292.89
546.02		
546.05	35.066	292.88
546.14	35.063	292.85
546.24	35.06	292.82
546.34	35.057	292.8
546.44	35.054	292.77
546.54	35.051	292.74
546.64	35.048	292.71
546.74	35.045	292.68
546.84	35.042	292.65
546.94	35.039	292.62
547.	35.038	292.6
547.01	35.037	
547.02		292.59
547.05	35.036	
547.14	35.033	292.56
547.24	35.031	292.53
547.34	35.028	292.5
547.44	35.025	292.47
547.54	35.022	292.44
547.64	35.019	292.41
547.74	35.016	292.38
547.84	35.013	292.35
547.94	35.011	292.32
548.	35.009	292.31
548.01		292.3
548.02	35.008	
548.05	35.007	292.29
548.14	35.005	292.27
548.24	35.002	292.24

548.34	34.999	292.21
548.44	34.996	292.18
548.54	34.994	292.15
548.64	34.991	292.12
548.74	34.988	292.09
548.84	34.985	292.06
548.94	34.983	292.03
549.	34.981	292.01
549.01		
549.02	34.98	
549.05		292.
549.14	34.977	291.97
549.24	34.974	291.94
549.34	34.972	291.91
549.44	34.969	291.89
549.54	34.966	291.86
549.64	34.963	291.83
549.74	34.961	291.8
549.84	34.958	291.77
549.94	34.955	291.74
550.	34.954	291.72
550.01	34.953	
550.02		
550.05	34.952	291.71
550.14	34.95	291.68
550.24	34.947	291.65
550.34	34.945	291.63
550.44	34.942	291.6
550.54	34.939	291.57
550.64	34.937	291.54
550.74	34.934	291.51
550.84	34.932	291.48
550.94	34.929	291.45
551.	34.927	291.44
551.01		291.43
551.02		
551.05	34.926	291.42
551.14	34.924	291.39
551.24	34.921	291.37
551.34	34.918	291.34
551.44	34.916	291.31
551.54	34.913	291.28
551.64	34.911	291.25
551.74	34.908	291.22
551.84	34.905	291.19
551.94	34.903	291.16
552.	34.901	291.15
552.01		291.14
552.02	34.9	
552.05		291.13
552.14	34.897	291.1
552.24	34.895	291.08
552.34	34.892	291.05
552.44	34.889	291.02
552.54	34.887	290.99
552.64	34.884	290.96
552.74	34.881	290.93
552.84	34.879	290.9
552.94	34.876	290.87
553.	34.874	290.86
553.01		290.85
553.02		
553.05	34.873	290.84
553.14	34.871	290.82
553.24	34.868	290.79
553.34	34.865	290.76

553.44	34.863	290.73
553.54	34.86	290.7
553.64	34.857	290.67
553.74	34.855	290.64
553.84	34.852	290.61
553.94	34.849	290.59
554.	34.848	290.57
554.01		
554.02	34.847	290.56
554.05	34.846	290.55
554.14	34.844	290.53
554.24	34.841	290.5
554.34	34.839	290.47
554.44	34.836	290.44
554.54	34.834	290.41
554.64	34.831	290.39
554.74	34.828	290.36
554.84	34.826	290.33
554.94	34.823	290.3
555.	34.821	290.28
555.01		
555.02		
555.05	34.82	290.27
555.14	34.818	290.24
555.24	34.815	290.21
555.34	34.812	290.18
555.44	34.81	290.16
555.54	34.807	290.13
555.64	34.805	290.1
555.74	34.802	290.07
555.84	34.799	290.04
555.94	34.797	290.01
556.	34.795	290.
556.01		289.99
556.02		
556.05	34.794	289.98
556.14	34.792	289.96
556.24	34.789	289.93
556.34	34.787	289.9
556.44	34.784	289.87
556.54	34.782	289.85
556.64	34.779	289.82
556.74	34.777	289.79
556.84	34.775	289.76
556.94	34.772	289.74
557.	34.771	289.72
557.01		
557.02		289.71
557.05	34.77	
557.14	34.768	289.68
557.24	34.766	289.65
557.34	34.763	289.63
557.44	34.761	289.6
557.54	34.759	289.57
557.64	34.757	289.54
557.74	34.755	289.52
557.84	34.752	289.49
557.94	34.75	289.46
558.	34.749	289.45
558.01		289.44
558.02	34.748	
558.05		289.43
558.14	34.746	289.41
558.24	34.744	289.38
558.34	34.742	289.35
558.44	34.739	289.33

558.54	34.737	289.3
558.64	34.735	289.27
558.74	34.733	289.24
558.84	34.731	289.22
558.94	34.729	289.19
559.	34.727	289.17
559.01		
559.02		
559.05	34.726	289.16
559.14	34.724	289.13
559.24	34.722	289.11
559.34	34.72	289.08
559.44	34.718	289.05
559.54	34.716	289.03
559.64	34.714	289.
559.74	34.712	288.97
559.84	34.709	288.94
559.94	34.707	288.92
560.	34.706	288.9
560.4	34.697	288.79
560.8	34.688	288.68
562.	34.661	288.36
565.6	34.575	287.39
569.6	34.478	286.33
573.6	34.38	285.27
577.6	34.284	284.22
581.6	34.188	283.18
585.6	34.094	282.15
589.6	34.	281.12
593.6	33.907	280.1
597.6	33.816	279.09
600.	33.763	278.48
606.	33.627	276.99
612.	33.494	275.53
630.	33.093	271.36
684.	32.149	259.64
738.	31.294	248.77
798.	30.453	237.64
858.	29.708	227.39
918.	29.045	217.84
978.	28.451	208.96
1038.	27.918	200.65
1098.	27.437	192.86
1158.	27.	185.55
1200.	26.716	180.65
1212.	26.631	179.27
1224.	26.549	177.9
1260.	26.333	173.94
1296.	26.124	170.12
1404.	25.583	159.72
1512.	25.116	150.25
1632.	24.67	140.71
1752.	24.283	132.05
1872.	23.947	124.13
1992.	23.654	116.87
2112.	23.399	110.19
2232.	23.175	104.04
2352.	22.978	98.362
2400.	22.904	96.161
2412.	22.884	95.617
2424.	22.865	95.077
2460.	22.809	93.503
2568.	22.674	89.066
2676.	22.55	84.921
2796.	22.428	80.648
2916.	22.32	76.676

3036.	22.225	72.98
3156.	22.141	69.538
3276.	22.067	66.329
3396.	22.001	63.336
3516.	21.943	60.541
3600.	21.907	58.676
3612.	21.902	58.412
3624.	21.896	58.15
3660.	21.879	57.382
3768.	21.842	55.774
3876.	21.807	54.491
3996.	21.773	53.138
4116.	21.743	51.854
4236.	21.717	50.635
4356.	21.694	49.505
4476.	21.675	48.535
4596.	21.658	47.607
4716.	21.644	46.717
4800.	21.635	46.113
4812.	21.634	46.027
4824.	21.633	45.942
4860.	21.628	45.688
4968.	21.621	44.957
5076.	21.614	44.253
5196.	21.607	43.562
5316.	21.602	42.928
5436.	21.598	42.315
5556.	21.596	41.724
5676.	21.594	41.151
5796.		40.598
5916.		40.063
6000.		39.697
6012.		39.645
6024.		39.593
6060.		39.439
6168.	21.596	38.99
6276.	21.598	38.553
6396.	21.601	38.084
6516.	21.605	37.629
6636.	21.608	37.189
6756.	21.612	36.762
6876.	21.617	36.348
6996.	21.621	35.947
7116.	21.626	35.558
7200.	21.63	35.292

Material Data

Drum Contents

TABLE 32
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 33
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 34
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 35
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 36
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 37
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 38
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 39
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 40
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 41
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 42
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 43
Room Steel > Constants

Density	7854 kg m^-3

TABLE 44
Room Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85

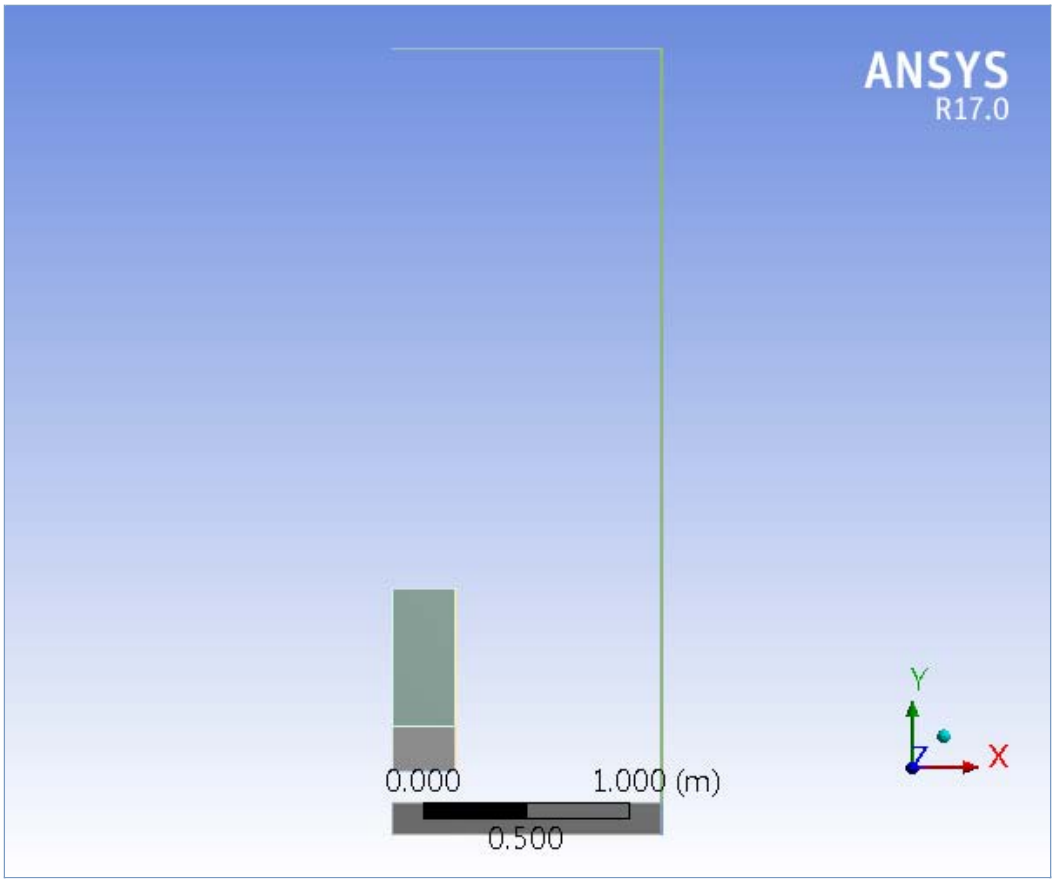
56.7	126.85
48	326.85

TABLE 45
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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- Material Data
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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (O4)

Geometry

TABLE 2
Model (O4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-24\DM\SYS-24.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	

Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	13
Active Bodies	13
Nodes	5500
Elements	1615
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (O4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										

Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											
Nodes	877	205	40	172	2277	447	205	40	351	62	557
Elements	270	54	9	45	720	120	54	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (O4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*
State	Meshed	
Graphics Properties		
Visible	Yes	
Transparency	1	
Definition		
Suppressed	No	
Stiffness Behavior	Flexible	
Coordinate System	Default Coordinate System	
Reference Temperature	By Environment	
Behavior	None	
Material		
Assignment	Room Steel	
Nonlinear Effects	Yes	
Thermal Strain Effects	Yes	
Bounding Box		
Length X	6.35e-003 m	1.3035 m
Length Y	6.35e-003 m	
Properties		
Volume	N/A	
Mass	N/A	
Centroid X	N/A	
Centroid Y	N/A	
Centroid Z	N/A	
Moment of Inertia Ip1	N/A	
Moment of Inertia Ip2	N/A	
Moment of Inertia Ip3	N/A	
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²
Statistics		
Nodes	40	227
Elements	9	60
Mesh Metric	None	

Coordinate Systems

TABLE 5
Model (O4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m

Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (O4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (O4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.e-005 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	14
Active Connections	14

TABLE 8
Model (O4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.e-005 m										

Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (O4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Contact	1 Edge		
Target	1 Edge		
Contact Bodies	Surface Body		
Target Bodies	Surface Body		
Shell Thickness Effect	No		
Definition			
Type	Bonded		
Scope Mode	Automatic		
Behavior	Program Controlled		
Trim Contact	Program Controlled		
Trim Tolerance	1.e-005 m		
Suppressed	No		
Advanced			
Formulation	Program Controlled		
Detection Method	Program Controlled		
Elastic Slip Tolerance	Program Controlled		
Thermal Conductance	Program Controlled		
Pinball Region	Program Controlled		
Geometric Modification			
Contact Geometry Correction	None		
Target Geometry Correction	None		

Mesh

TABLE 10
Model (O4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive

Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	5500
Elements	1615
Mesh Metric	None

TABLE 11
Model (O4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*
State	Fully Defined									
Scope										
Scoping Method	Named Selection									Geometry Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	
Geometry										13 Faces
Definition										
Suppressed	No									
Type	Number of Divisions									
Number of Divisions	3	18	15	40	5	25	3	50	20	
Behavior	Hard									
Bias Type	No Bias									
Mapped Mesh										Yes
Method										Quadrilaterals
Constrain Boundary										No
Advanced										

Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 12
Model (O4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*
State	Fully Defined								
Scope									
Scoping Method	Worksheet				Geometry Selection	Worksheet			
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Definition									
Send to Solver	Yes								
Visible	Yes								
Program Controlled Inflation	Exclude								
Statistics									
Type	Manual								
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m
Suppressed	0								
Used by Mesh Worksheet	No								
Tolerance									
Tolerance Type	Program Controlled					Program Controlled			
Zero Tolerance	1.e-008					1.e-008			
Relative Tolerance	1.e-003					1.e-003			

Transient Thermal (O5)

TABLE 13
Model (O4) > Analysis

Object Name	*Transient Thermal (O5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 14
Model (O4) > Transient Thermal (O5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined
Definition	

Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 15
Model (O4) > Transient Thermal (O5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	490.
Current Step Number	490.
Step End Time	10800 s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-24\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 16
Model (O4) > Transient Thermal (O5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			

12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s	2.e-002 s	2.e-003 s	0.2 s
43	86. s			
44	88. s			
45	90. s			
46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72				

	144. s			
73	146. s			
74	148. s			
75	150. s			
76	152. s			
77	154. s			
78	156. s			
79	158. s			
80	160. s			
81	161. s			
82	162. s			
83	163. s			
84	164. s			
85	165. s			
86	166. s			
87	167. s			
88	168. s			
89	169. s			
90	170. s			
91	171. s			
92	172. s			
93	173. s			
94	174. s			
95	175. s			
96	176. s			
97	177. s			
98	178. s			
99	179. s			
100	180. s			
101	181. s			
102	182. s			
103	183. s			
104	184. s			
105	185. s			
106	186. s			
107	187. s			
108	188. s			
109	189. s			
110	190. s			
111	191. s			
112	192. s			
113	193. s			
114	194. s			
115	195. s			
116	196. s			
117	197. s			
118	198. s			
119	199. s			
120	200. s			
121	201. s			
122	202. s			
123	203. s			
124	204. s			
125	205. s			
126	206. s			
127	207. s			
128	208. s			
129	209. s			
130	210. s			
131	211. s			

	212. s
133	213. s
134	214. s
135	215. s
136	216. s
137	217. s
138	218. s
139	219. s
140	220. s
141	221. s
142	222. s
143	223. s
144	224. s
145	225. s
146	226. s
147	227. s
148	228. s
149	229. s
150	230. s
151	231. s
152	232. s
153	233. s
154	234. s
155	235. s
156	236. s
157	237. s
158	238. s
159	239. s
160	240. s
161	241. s
162	242. s
163	243. s
164	244. s
165	245. s
166	246. s
167	247. s
168	248. s
169	249. s
170	250. s
171	251. s
172	252. s
173	253. s
174	254. s
175	255. s
176	256. s
177	257. s
178	258. s
179	259. s
180	260. s
181	261. s
182	262. s
183	263. s
184	264. s
185	265. s
186	266. s
187	267. s
188	268. s
189	269. s
190	270. s
191	271. s
192	

	272. s
193	273. s
194	274. s
195	275. s
196	276. s
197	277. s
198	278. s
199	279. s
200	280. s
201	281. s
202	282. s
203	283. s
204	284. s
205	285. s
206	286. s
207	287. s
208	288. s
209	289. s
210	290. s
211	291. s
212	292. s
213	293. s
214	294. s
215	295. s
216	296. s
217	297. s
218	298. s
219	299. s
220	300. s
221	301. s
222	302. s
223	303. s
224	304. s
225	305. s
226	306. s
227	307. s
228	308. s
229	309. s
230	310. s
231	311. s
232	312. s
233	313. s
234	314. s
235	315. s
236	316. s
237	317. s
238	318. s
239	319. s
240	320. s
241	321. s
242	322. s
243	323. s
244	324. s
245	325. s
246	326. s
247	327. s
248	328. s
249	329. s
250	330. s
251	331. s
252	

	332. s
253	333. s
254	334. s
255	335. s
256	336. s
257	337. s
258	338. s
259	339. s
260	340. s
261	341. s
262	342. s
263	343. s
264	344. s
265	345. s
266	346. s
267	347. s
268	348. s
269	349. s
270	350. s
271	351. s
272	352. s
273	353. s
274	354. s
275	355. s
276	356. s
277	357. s
278	358. s
279	359. s
280	360. s
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282	362. s
283	363. s
284	364. s
285	365. s
286	366. s
287	367. s
288	368. s
289	369. s
290	370. s
291	371. s
292	372. s
293	373. s
294	374. s
295	375. s
296	376. s
297	377. s
298	378. s
299	379. s
300	380. s
301	381. s
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303	383. s
304	384. s
305	385. s
306	386. s
307	387. s
308	388. s
309	389. s
310	390. s
311	391. s
312	

	392. s
313	393. s
314	394. s
315	395. s
316	396. s
317	397. s
318	398. s
319	399. s
320	400. s
321	401. s
322	402. s
323	403. s
324	404. s
325	405. s
326	406. s
327	407. s
328	408. s
329	409. s
330	410. s
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332	412. s
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334	414. s
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361	441. s
362	442. s
363	443. s
364	444. s
365	445. s
366	446. s
367	447. s
368	448. s
369	449. s
370	450. s
371	451. s
372	

	452. s
373	453. s
374	454. s
375	455. s
376	456. s
377	457. s
378	458. s
379	459. s
380	460. s
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387	467. s
388	468. s
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390	470. s
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392	472. s
393	473. s
394	474. s
395	475. s
396	476. s
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398	478. s
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401	481. s
402	482. s
403	483. s
404	484. s
405	485. s
406	486. s
407	487. s
408	488. s
409	489. s
410	490. s
411	491. s
412	492. s
413	493. s
414	494. s
415	495. s
416	496. s
417	497. s
418	498. s
419	499. s
420	500. s
421	501. s
422	502. s
423	503. s
424	504. s
425	505. s
426	506. s
427	507. s
428	508. s
429	509. s
430	510. s
431	511. s

	512. s				
433	513. s				
434	514. s				
435	515. s				
436	516. s				
437	517. s				
438	518. s				
439	519. s				
440	520. s				
441	521. s				
442	522. s				
443	523. s				
444	524. s				
445	525. s				
446	526. s				
447	527. s				
448	528. s				
449	529. s				
450	530. s				
451	531. s				
452	532. s				
453	533. s				
454	534. s				
455	535. s				
456	536. s	1.e-002 s			
457	537. s				
458	538. s				
459	539. s				
460	540. s				
461	541. s				
462	542. s				
463	543. s				
464	544. s				
465	545. s				
466	546. s				
467	547. s				
468	548. s				
469	549. s				
470	550. s				
471	551. s				
472	552. s				
473	553. s				
474	554. s				
475	555. s				
476	556. s				
477	557. s				
478	558. s				
479	559. s				
480	560. s				

			1.e-003 s		

				0.1 s
481	600. s	0.4 s	4.e-002 s	4. s
482	1200. s	6. s	0.6 s	60. s
483	2400. s	12. s	1.2 s	120. s
484	3600. s			
485	4800. s			
486	6000. s			
487	7200. s			
488	8400. s			
489	9600. s			
490	10800 s			

TABLE 17
Model (O4) > Transient Thermal (O5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*
State	Fully Defined									
Scope										
Scoping Method	Geometry Selection									
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges		
Definition										
Type	Temperature	Radiation						Convection	Heat Flux	Radiation
Magnitude	22.25 °C (step applied)								Tabular Data	
Suppressed	No									
Correlation		Surface to Surface								To Ambient
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			1. (step applied)
Enclosure		1.								
Enclosure Type		Perfect								
Film Coefficient								Tabular Data		
Ambient Temperature								Tabular Data		16.85 °C (step applied)
Convection Matrix								Program Controlled		
Edit Data For								Film Coefficient		
Tabular Data										
Independent Variable								Time		

FIGURE 1
Model (O4) > Transient Thermal (O5) > Temperature

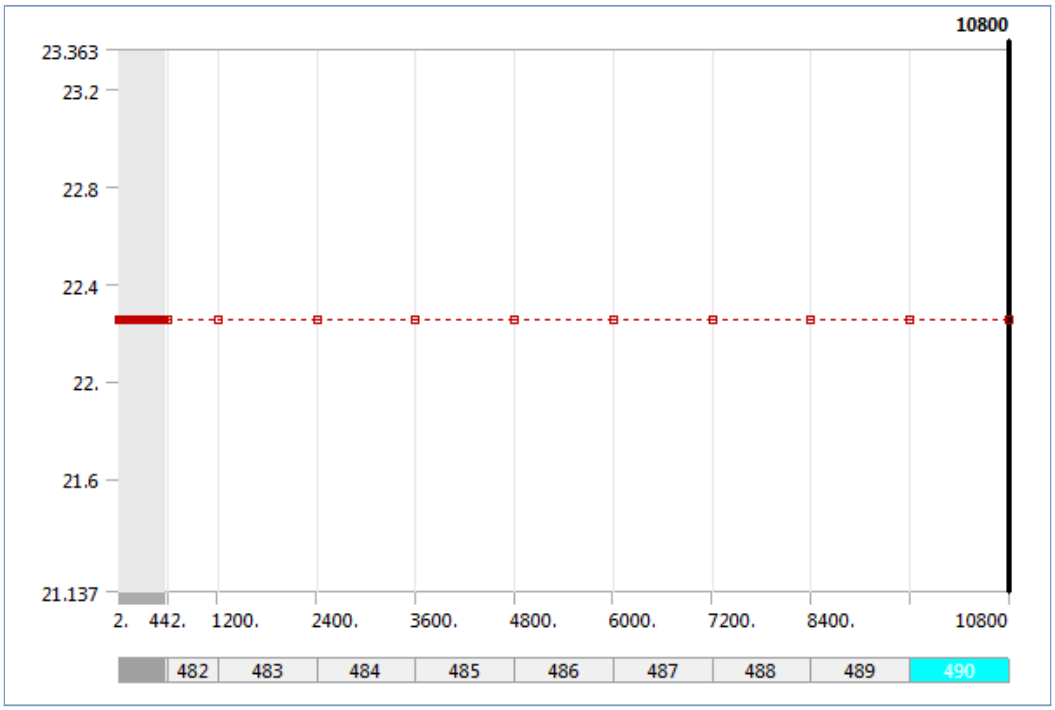


FIGURE 2
Model (O4) > Transient Thermal (O5) > Radiation 2

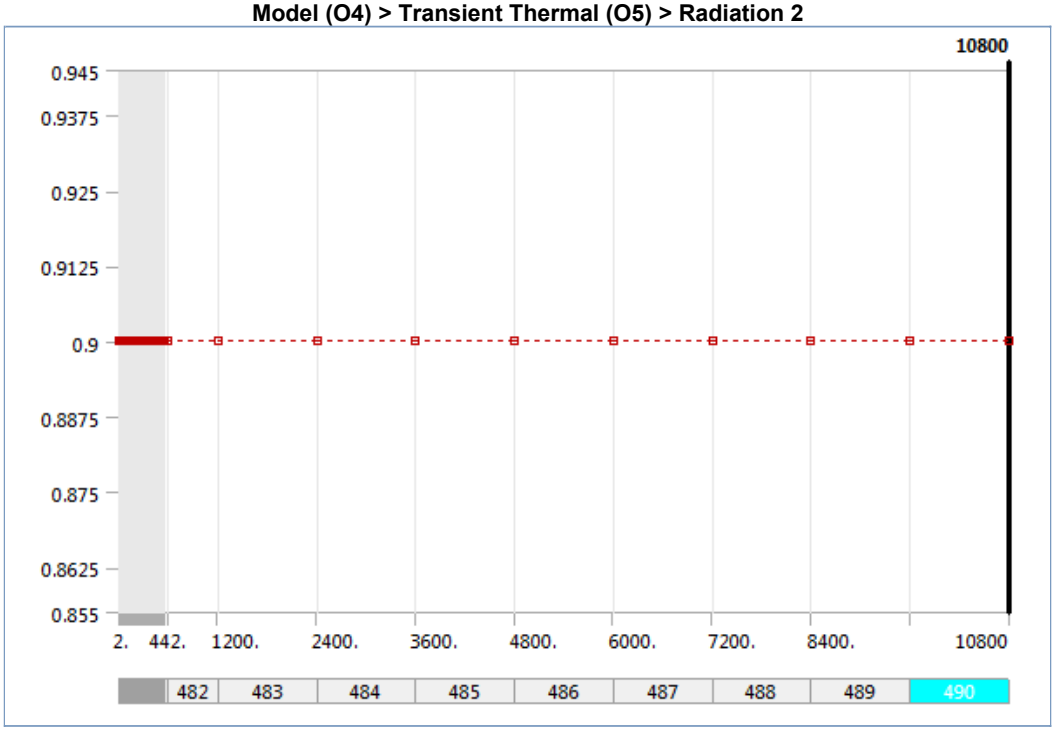


FIGURE 3
Model (O4) > Transient Thermal (O5) > Radiation 3

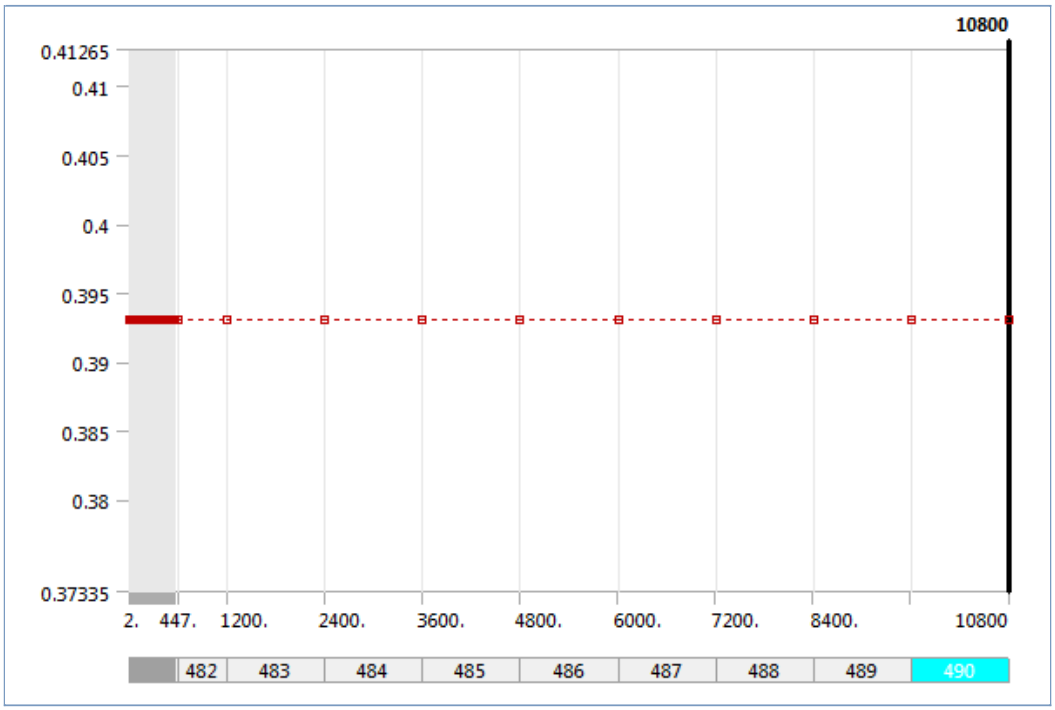


FIGURE 4
Model (O4) > Transient Thermal (O5) > Radiation 4

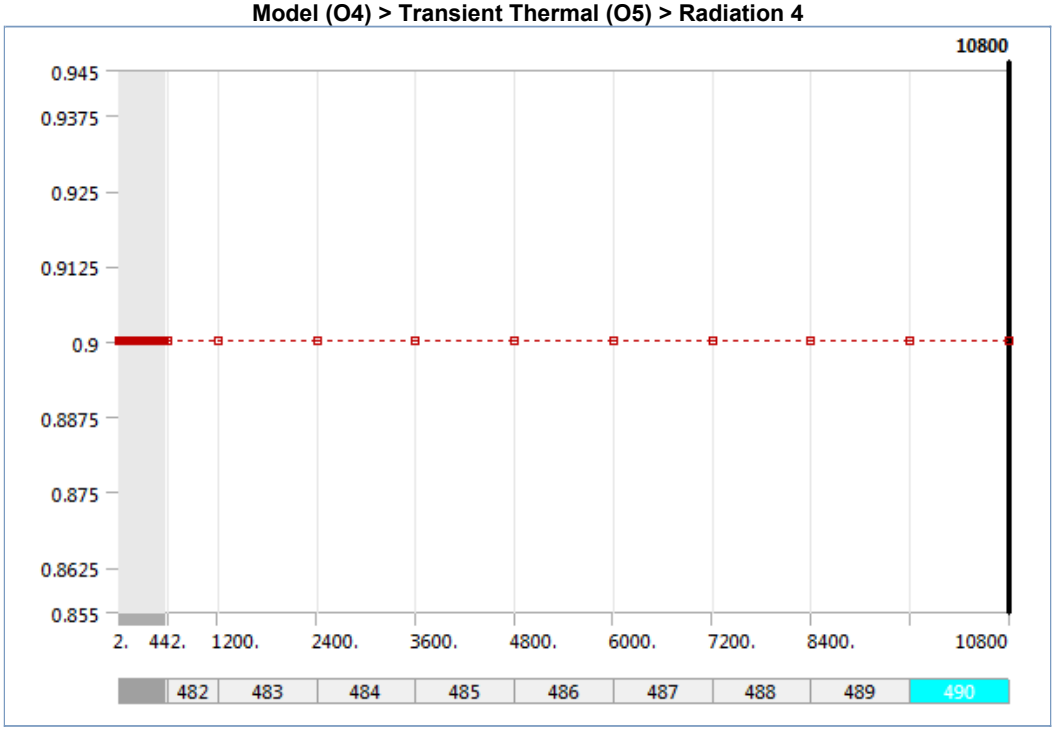


FIGURE 5
Model (O4) > Transient Thermal (O5) > Radiation 5

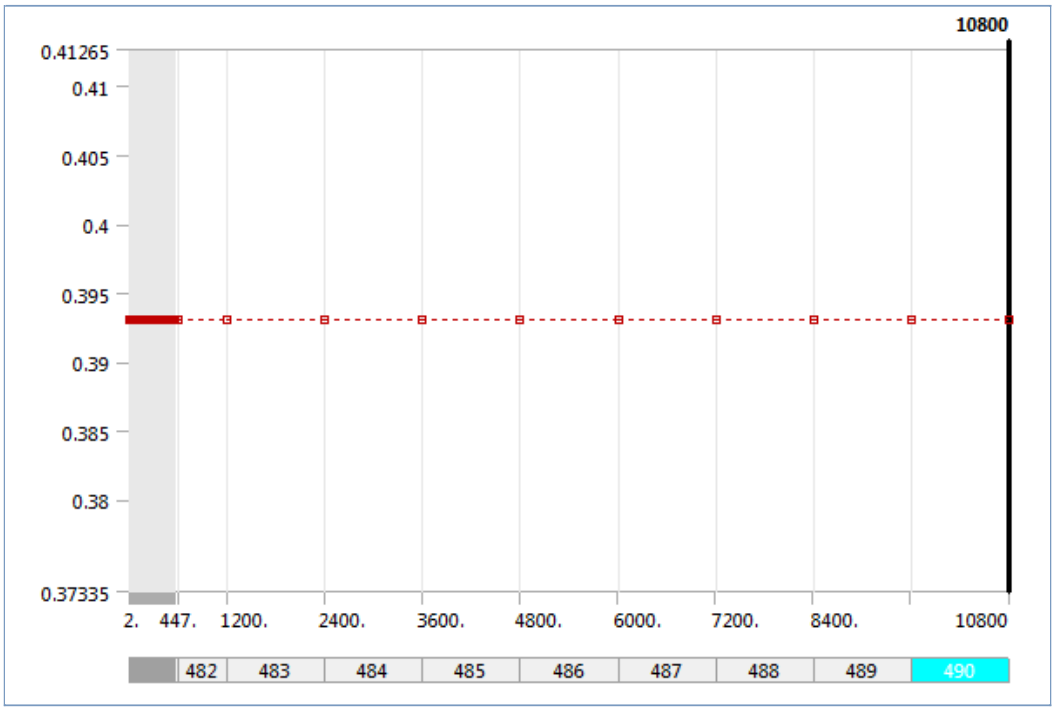


FIGURE 6
Model (O4) > Transient Thermal (O5) > Radiation 6

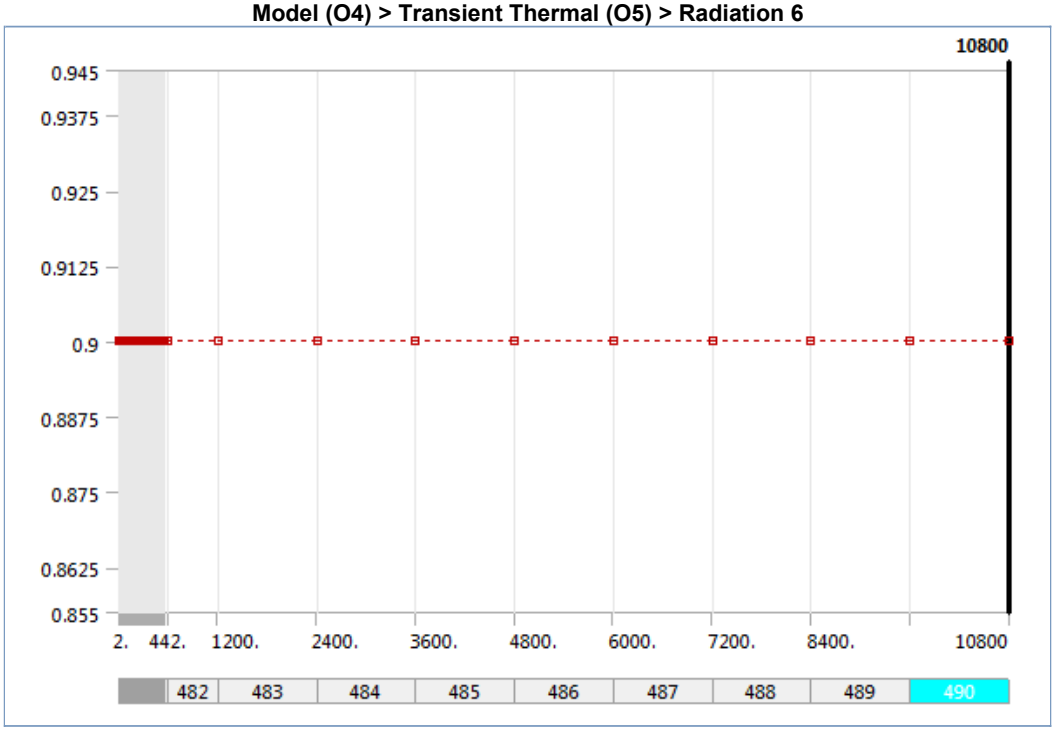


FIGURE 7
Model (O4) > Transient Thermal (O5) > Radiation 7

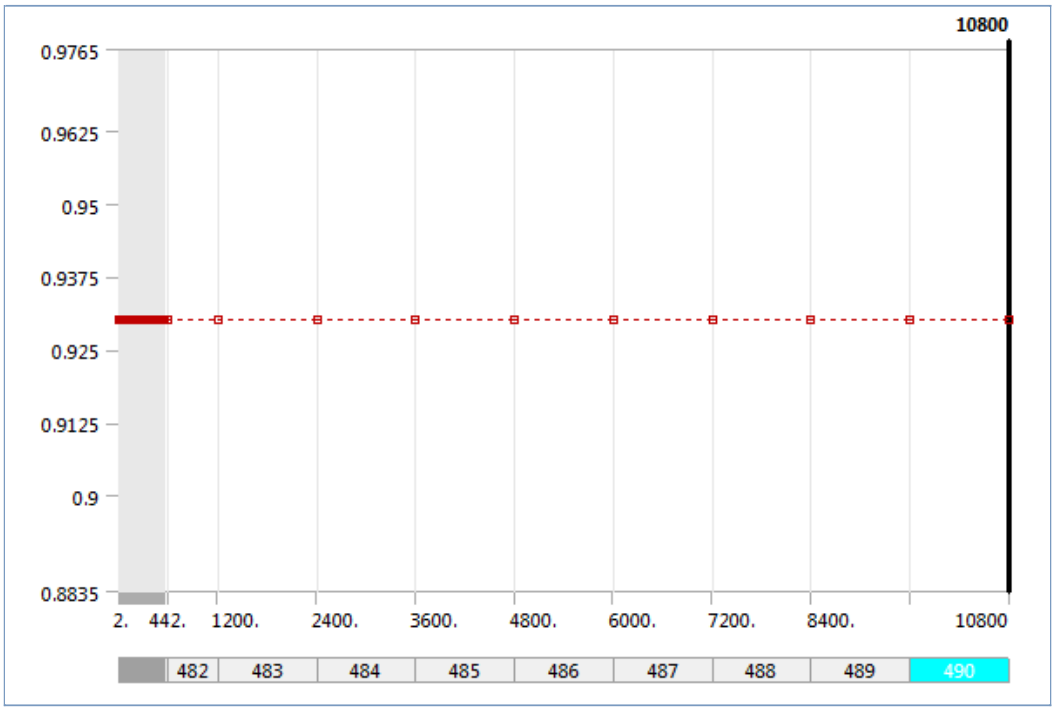


FIGURE 8
Model (O4) > Transient Thermal (O5) > Convection

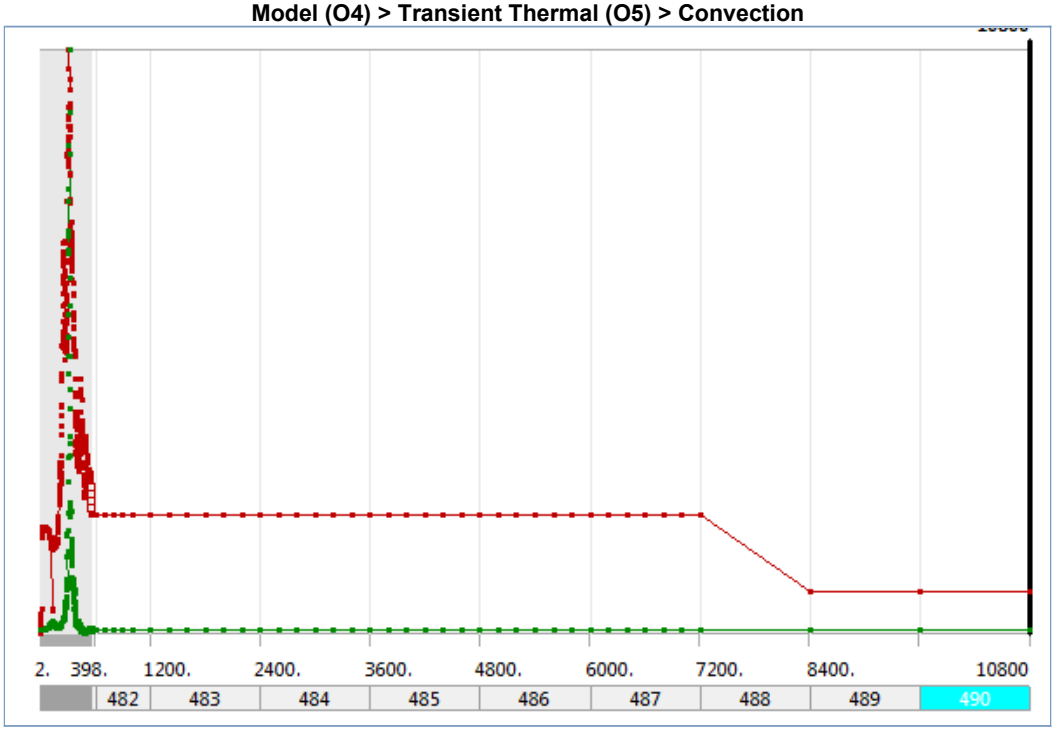


TABLE 18
Model (O4) > Transient Thermal (O5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	
3	6.	0.92	
4	8.	1.12	16.87
5	10.	1.29	16.89
6	12.	4.14	

7	14.	4.26	16.88
8	16.	4.38	17.33
9	18.	4.44	17.
10	20.	4.49	17.12
11	22.	4.51	17.61
12	24.	4.53	17.05
13	26.		16.97
14	28.		16.98
15	30.	4.54	17.06
16	32.	4.53	17.05
17	34.		17.07
18	36.		17.1
19	38.		17.13
20	40.		17.61
21	42.	4.52	17.17
22	44.		17.18
23	46.	4.51	17.19
24	48.		17.22
25	50.	4.49	17.29
26	52.	4.48	17.33
27	54.	4.47	17.41
28	56.		17.49
29	58.	4.46	17.54
30	60.		17.58
31	62.		17.6
32	64.		17.64
33	66.	4.45	17.68
34	68.		
35	70.	4.44	17.65
36	72.		17.66
37	74.		17.68
38	76.	4.42	17.69
39	78.	4.41	17.72
40	80.	4.4	17.75
41	82.	4.39	
42	84.	4.38	17.77
43	86.	4.36	17.79
44	88.	4.34	17.82
45	90.	4.31	17.87
46	92.	4.27	17.98
47	94.	4.23	18.14
48	96.	4.21	18.3
49	98.	4.19	18.48
50	100.	4.18	18.76
51	102.	4.15	19.15
52	104.	4.1	19.88
53	106.	4.07	20.65
54	108.		21.01
55	110.	4.03	20.57
56	112.	3.95	19.99
57	114.	3.91	19.77
58	116.	3.86	19.67
59	118.	3.82	20.22
60	120.	3.78	19.91
61	122.	3.68	19.93
62	124.	1.3	20.22
63	126.		20.01
64	128.		20.24
65	130.	1.27	21.18
66	132.	1.28	21.06

67	134.		20.67
68	136.	1.3	20.44
69	138.	1.29	21.67
70	140.	1.3	21.29
71	142.	3.65	20.97
72	144.	3.67	20.54
73	146.	3.71	20.15
74	148.	3.68	19.78
75	150.	3.84	19.37
76	151.	3.87	19.13
	152.	3.9	18.7
77	153.	3.89	18.71
	154.	3.85	18.68
78	155.	3.9	18.72
	156.	3.93	18.68
79	157.		18.77
	158.	4.03	18.7
80	159.	4.09	18.64
	160.	4.07	18.72
81	161.	3.96	18.83
82	162.	3.77	18.84
83	163.	3.79	18.79
84	164.		18.74
85	165.	3.77	18.68
86	166.	3.8	18.64
87	167.		18.56
88	168.	3.83	18.45
89	169.	3.87	18.25
90	170.	3.92	18.22
91	171.	3.95	18.19
92	172.		18.18
93	173.	3.96	18.15
94	174.	4.	18.14
95	175.	3.97	18.12
96	176.	4.04	18.09
97	177.	4.01	18.06
98	178.	3.97	18.03
99	179.	3.95	17.98
100	180.	3.94	17.91
101	181.	3.92	17.93
102	182.	4.06	18.18
103	183.	4.46	18.38
104	184.	4.86	18.83
105	185.	4.96	19.
106	186.	4.83	18.94
107	187.	4.76	18.84
108	188.	4.71	18.8
109	189.	4.69	18.7
110	190.	4.55	18.64
111	191.	4.53	18.53
112	192.	4.41	18.44
113	193.	4.42	18.36
114	194.	4.34	18.29
115	195.	4.36	18.21
116	196.	4.37	18.16
117	197.	4.42	18.11
118	198.	4.55	18.1
119	199.	4.9	18.08
120	200.	5.4	18.05
121	201.	5.59	18.12

122	202.	5.53	18.21
123	203.	5.58	18.45
124	204.	5.98	18.49
125	205.	6.17	18.43
126	206.	6.51	18.41
127	207.	6.64	18.39
128	208.	6.75	18.36
129	209.	6.87	18.3
130	210.	6.92	18.25
131	211.	7.02	18.21
132	212.	6.99	18.15
133	213.	6.83	18.1
134	214.	6.49	18.05
135	215.	6.12	18.19
136	216.	5.88	18.29
137	217.	5.8	18.5
138	218.	6.03	20.02
139	219.	6.35	20.8
140	220.	6.25	20.88
141	221.	6.31	20.24
142	222.	6.52	19.5
143	223.	6.64	19.76
144	224.	6.9	20.01
145	225.	7.04	19.76
146	226.	7.3	19.14
147	227.	8.14	18.97
148	228.	8.47	19.31
149	229.	9.29	18.85
150	230.	10.24	18.81
151	231.	10.5	18.8
152	232.	10.54	18.77
153	233.	10.48	19.08
154	234.	10.28	18.86
155	235.	9.26	19.17
156	236.	8.87	18.62
157	237.	11.61	20.22
158	238.	12.	21.98
159	239.	11.82	23.68
160	240.	11.59	23.28
161	241.	11.65	23.37
162	242.	13.21	23.01
163	243.	13.7	22.66
164	244.	13.17	22.57
165	245.	12.56	21.67
166	246.	12.19	21.6
167	247.	15.14	21.4
168	248.	15.08	22.48
169	249.	14.77	22.61
170	250.	14.11	22.32
171	251.	14.35	21.7
172	252.	13.68	21.82
173	253.	14.32	22.34
174	254.	15.69	21.99
175	255.	15.32	22.2
176	256.	14.94	22.95
177	257.	14.44	24.65
178	258.	13.9	24.1
179	259.	14.54	25.07
180	260.	13.78	24.82
181	261.	14.39	30.9
182			

	262.	15.22	31.32
183	263.	15.66	30.97
184	264.	15.74	29.72
185	265.	14.41	27.13
186	266.	13.74	26.5
187	267.	13.29	25.3
188	268.	12.85	22.85
189	269.	12.24	23.55
190	270.	11.39	25.23
191	271.	11.57	24.69
192	272.	11.09	23.52
193	273.	12.48	26.86
194	274.	11.63	26.74
195	275.	12.06	29.67
196	276.	11.61	29.45
197	277.	11.34	29.3
198	278.	12.51	38.32
199	279.	12.04	37.56
200	280.	13.6	33.65
201	281.	13.	42.74
202	282.	13.43	39.58
203	283.	13.	37.49
204	284.	12.81	37.97
205	285.	11.78	33.91
206	286.	11.46	31.4
207	287.	12.57	30.39
208	288.	14.98	33.12
209	289.	14.96	39.25
210	290.	14.06	42.88
211	291.	14.93	65.85
212	292.	17.33	66.58
213	293.	19.09	66.13
214	294.	19.13	54.97
215	295.	19.45	42.44
216	296.	20.26	41.81
217	297.	19.66	43.12
218	298.	19.26	57.34
219	299.	19.03	68.34
220	300.	19.32	77.37
221	301.	18.74	93.83
222	302.	19.56	106.49
223	303.	18.65	149.76
224	304.	19.3	158.23
225	305.	18.86	168.82
226	306.	20.64	221.21
227	307.	21.	211.45
228	308.	19.21	179.91
229	309.	19.86	245.03
230	310.	20.26	267.73
231	311.	20.53	223.74
232	312.	22.52	238.99
233	313.	23.25	213.39
234	314.	21.67	263.01
235	315.	21.02	317.32
236	316.	20.8	284.87
237	317.	21.14	185.17
238	318.	19.82	131.67
239	319.	20.08	141.44
240	320.	22.07	199.04
241	321.	20.23	159.07
242			

	322.	18.4	113.38
243	323.	17.26	117.53
244	324.	18.33	107.67
245	325.	17.38	80.67
246	326.	16.34	83.08
247	327.	15.57	78.55
248	328.	16.11	75.43
249	329.	17.21	77.87
250	330.	16.2	75.59
251	331.	15.49	81.43
252	332.	15.26	76.09
253	333.	15.81	78.34
254	334.	15.24	64.1
255	335.	14.84	54.29
256	336.	16.5	58.7
257	337.	16.1	63.57
258	338.	15.18	60.71
259	339.	15.98	55.99
260	340.	15.52	52.39
261	341.	15.36	44.38
262	342.	15.67	40.7
263	343.	15.84	41.04
264	344.	15.67	39.82
265	345.	14.96	39.93
266	346.	15.07	38.38
267	347.	14.6	39.25
268	348.	15.01	50.27
269	349.	14.76	38.38
270	350.	14.22	42.87
271	351.	14.21	41.9
272	352.	14.06	41.49
273	353.	14.09	27.79
274	354.	13.63	31.88
275	355.	13.66	37.32
276	356.	12.69	38.15
277	357.	12.94	35.31
278	358.	12.91	35.76
279	359.	12.87	34.95
280	360.	12.36	34.05
281	361.	12.29	38.85
282	362.	12.78	43.4
283	363.	12.64	39.86
284	364.	12.8	37.24
285	365.	14.07	39.09
286	366.	12.85	36.7
287	367.	11.93	34.47
288	368.	11.71	39.33
289	369.	11.64	37.61
290	370.	11.5	37.48
291	371.	11.39	38.23
292	372.	11.2	37.16
293	373.	11.42	36.2
294	374.	11.33	31.82
295	375.	10.34	31.85
296	376.	9.75	30.42
297	377.	9.74	29.18
298	378.	9.67	26.72
299	379.	9.04	26.98
300	380.	9.03	26.42
301	381.	8.82	24.74
302			

	382.	8.83	25.52
303	383.		26.33
304	384.	8.65	25.85
305	385.	8.46	25.06
306	386.	7.87	24.59
307	387.	7.76	23.89
308	388.	7.45	20.48
309	389.	7.36	19.94
310	390.	7.74	19.26
311	391.	8.78	19.55
312	392.	8.83	20.57
313	393.	8.52	20.
314	394.	8.39	19.78
315	395.	8.32	19.5
316	396.	7.78	19.27
317	397.	6.93	19.8
318	398.	7.06	19.73
319	399.	7.63	19.83
320	400.	7.99	20.17
321	401.	8.09	20.26
322	402.	7.77	19.73
323	403.	7.68	19.5
324	404.	7.74	19.29
325	405.	7.55	19.19
326	406.	7.24	19.1
327	407.	6.94	19.08
328	408.	7.33	19.51
329	409.	7.86	19.74
330	410.	7.33	20.16
331	411.	7.21	21.12
332	412.	7.53	21.41
333	413.	7.86	21.19
334	414.	7.51	20.79
335	415.	7.08	20.28
336	416.	6.91	20.11
337	417.	6.87	20.34
338	418.	6.73	20.23
339	419.	7.12	20.31
340	420.	7.32	20.43
341	421.	7.41	20.35
342	422.	7.3	19.88
343	423.	7.24	19.41
344	424.	7.21	19.05
345	425.	7.	18.82
346	426.	7.28	18.67
347	427.	7.77	18.43
348	428.	7.86	18.19
349	429.	7.68	17.93
350	430.	7.65	17.95
351	431.	8.2	17.69
352	432.	8.1	17.3
353	433.	8.	16.82
354	434.	7.59	16.57
355	435.	7.36	17.
356	436.	7.43	17.87
357	437.	7.55	18.05
358	438.	8.31	19.15
359	439.	8.45	19.8
360	440.	8.39	19.64
361	441.	9.05	19.46

362	442.	9.95	19.34
363	443.	10.36	19.21
364	444.	9.89	18.72
365	445.	9.7	18.47
366	446.	9.65	18.86
367	447.	9.52	18.44
368	448.	8.66	17.31
369	449.	8.49	17.73
370	450.	8.3	17.12
371	451.	8.66	16.65
372	452.	8.5	17.01
373	453.	8.58	17.71
374	454.	8.3	17.73
375	455.	8.23	17.39
376	456.	8.31	17.16
377	457.	8.14	17.32
378	458.	8.	17.16
379	459.	7.97	16.91
380	460.	8.02	16.87
381	461.	7.95	17.1
382	462.	8.01	16.91
383	463.	8.04	16.48
384	464.	7.87	16.63
385	465.	7.75	
386	466.	7.71	16.83
387	467.	7.51	16.54
388	468.	7.44	16.16
389	469.	7.58	16.08
390	470.	7.05	16.19
391	471.	6.96	16.37
392	472.	6.86	16.28
393	473.	6.54	16.35
394	474.	6.14	16.29
395	475.	5.68	16.21
396	476.	5.77	16.05
397	477.	5.71	15.78
398	478.	6.58	15.66
399	479.	6.51	15.76
400	480.	6.5	15.75
401	481.	6.41	15.72
402	482.	6.26	15.69
403	483.	5.86	15.66
404	484.	5.7	15.64
405	485.	5.93	15.58
406	486.	5.98	15.47
407	487.	6.28	15.36
408	488.	6.37	15.63
409	489.	6.84	16.13
410	490.	7.54	16.23
411	491.	7.73	16.24
412	492.	7.88	16.21
413	493.	7.98	16.16
414	494.	8.01	16.25
415	495.	8.05	16.06
416	496.		15.84
417	497.	8.04	15.75
418	498.	8.02	16.18
419	499.	8.03	16.29
420	500.	7.92	16.25
421	501.	7.88	

422	502.	7.61	16.21
423	503.	7.49	16.1
424	504.	7.35	16.06
425	505.	7.23	16.24
426	506.		16.19
427	507.	7.13	
428	508.		16.18
429	509.	7.04	16.15
430	510.	6.72	16.12
431	511.	7.07	16.
432	512.	7.19	16.03
433	513.	7.02	15.99
434	514.	6.75	15.98
435	515.	6.48	15.96
436	516.	6.62	15.97
437	517.	6.73	
438	518.	6.68	16.26
439	519.	6.66	16.66
440	520.	6.68	16.47
441	521.	6.63	16.35
442	522.	6.61	16.41
443	523.	6.58	16.51
444	524.	6.64	16.32
445	525.	6.72	16.1
446	526.	6.68	16.2
447	527.	6.67	16.19
448	528.	6.69	
449	529.	6.68	16.24
450	530.		16.35
451	531.	6.75	16.44
452	532.	6.74	16.62
453	533.	6.79	16.8
454	534.	6.73	16.88
455	535.	6.66	17.03
456	536.	6.65	17.05
457	537.	6.74	17.17
458	538.	6.78	17.29
459	539.	6.72	17.32
460	540.	6.78	17.28
461	541.	6.68	17.14
462	542.	6.64	17.24
463	543.	6.55	17.32
464	544.	6.46	17.36
465	545.	6.31	17.37
466	546.	6.27	17.24
467	547.	6.35	16.67
468	548.	6.33	17.07
469	549.	6.34	17.42
470	550.	6.43	17.46
471	551.	6.49	17.4
472	552.	6.54	17.48
473	553.	6.38	17.53
474	554.	6.35	17.39
475	555.	6.37	17.37
476	556.	= 6.096	= 17.266
477	557.	= 5.822	= 17.162
478	558.	= 5.548	= 17.058
479	559.	= 5.274	= 16.954
480	560.		
	565.		

481	570.	5.	16.85
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
482	700.		
	800.		
	900.		
	1000.		
	1200.		
483	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.		
484	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
485	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
486	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
487	6200.		
	6400.		
	6600.		
	6800.		
	7000.		
	7200.		
488	8400.	2.	
489	9600.		
490	10800		

FIGURE 9
Model (O4) > Transient Thermal (O5) > Heat Flux

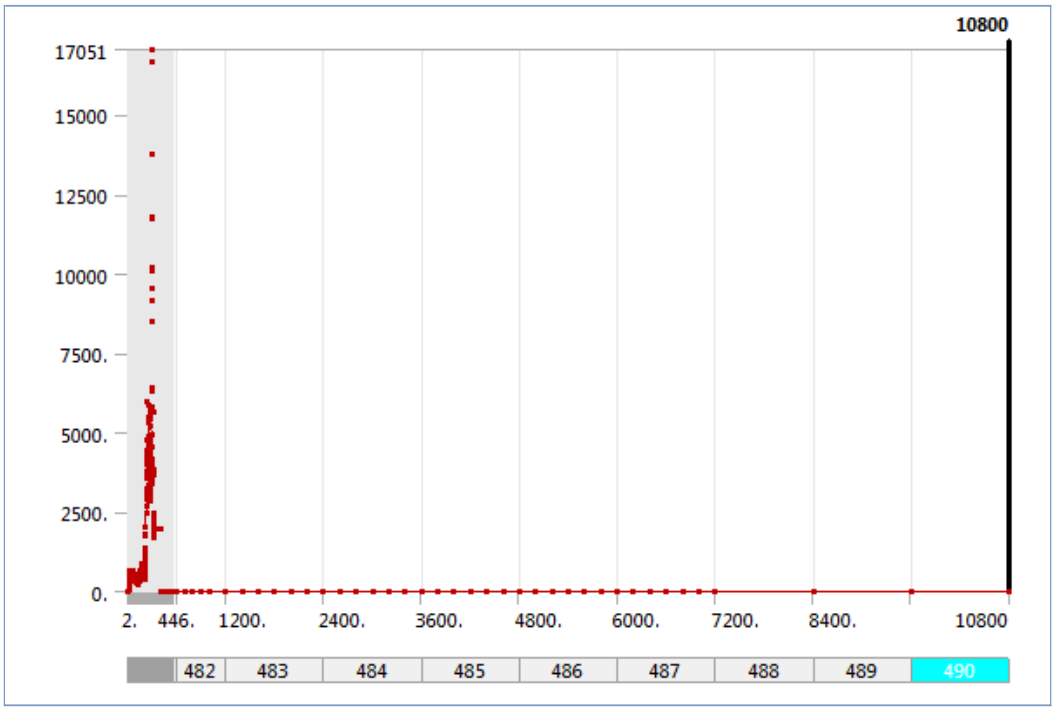


TABLE 19
Model (O4) > Transient Thermal (O5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	0.3
5	10.	
6	12.	35.
7	14.	167.4
8	16.	583.6
9	18.	519.
10	20.	633.2
11	22.	452.1
12	24.	465.5
13	26.	350.1
14	28.	520.8
15	30.	411.
16	32.	418.6
17	34.	319.8
18	36.	354.7
19	38.	367.9
20	40.	336.3
21	42.	477.5
22	44.	445.4
23	46.	375.7
24	48.	365.6
25	50.	454.7
26	52.	464.8
27	54.	377.2
28	56.	356.8
29	58.	439.5
30	60.	442.7
31	62.	385.7
32	64.	465.7

33	66.	638.1
34	68.	479.1
35	70.	551.
36	72.	484.6
37	74.	568.3
38	76.	560.2
39	78.	449.8
40	80.	493.3
41	82.	447.9
42	84.	356.8
43	86.	359.
44	88.	415.3
45	90.	348.8
46	92.	325.3
47	94.	394.3
48	96.	357.6
49	98.	356.2
50	100.	335.4
51	102.	325.2
52	104.	315.9
53	106.	321.3
54	108.	358.
55	110.	429.9
56	112.	428.9
57	114.	305.8
58	116.	292.2
59	118.	376.2
60	120.	380.8
61	122.	367.6
62	124.	310.
63	126.	316.9
64	128.	479.4
65	130.	344.7
66	132.	334.3
67	134.	228.5
68	136.	375.4
69	138.	498.2
70	140.	341.6
71	142.	521.4
72	144.	405.
73	146.	470.8
74	148.	437.8
75	150.	454.4
76	151.	484.3
	152.	653.7
77	153.	525.3
	154.	377.2
78	155.	570.8
	156.	683.6
79	157.	539.9
	158.	521.8
80	159.	526.
	160.	597.7
81	161.	755.5
82	162.	511.2
83	163.	514.6
84	164.	547.2
85	165.	775.7
86	166.	779.7
87	167.	553.1

88	168.	554.7
89	169.	409.4
90	170.	835.
91	171.	883.
92	172.	596.1
93	173.	664.6
94	174.	640.7
95	175.	724.2
96	176.	636.3
97	177.	867.
98	178.	650.5
99	179.	816.3
100	180.	426.2
101	181.	521.7
102	182.	614.7
103	183.	606.6
104	184.	776.2
105	185.	552.7
106	186.	619.4
107	187.	385.7
108	188.	406.5
109	189.	389.
110	190.	582.4
111	191.	617.8
112	192.	430.4
113	193.	413.9
114	194.	414.7
115	195.	704.4
116	196.	432.8
117	197.	409.
118	198.	529.
119	199.	469.9
120	200.	556.
121	201.	584.9
122	202.	366.
123	203.	577.8
124	204.	430.2
125	205.	406.7
126	206.	609.5
127	207.	616.6
128	208.	616.
129	209.	613.6
130	210.	768.9
131	211.	1338.9
132	212.	803.8
133	213.	564.5
134	214.	1782.
135	215.	1176.7
136	216.	970.5
137	217.	1346.9
138	218.	1009.7
139	219.	893.2
140	220.	1243.
141	221.	932.3
142	222.	1293.6
143	223.	1754.3
144	224.	2013.6
145	225.	2926.9
146	226.	2685.8
147	227.	3211.4
148		

	228.	3997.6
149	229.	3661.9
150	230.	4791.6
151	231.	4420.5
152	232.	4200.
153	233.	3656.6
154	234.	2978.5
155	235.	2489.4
156	236.	3128.1
157	237.	3700.3
158	238.	3558.6
159	239.	3800.5
160	240.	4374.5
161	241.	4422.7
162	242.	4060.7
163	243.	5996.2
164	244.	4072.2
165	245.	4373.
166	246.	5477.5
167	247.	4522.1
168	248.	5887.5
169	249.	4088.6
170	250.	3933.2
171	251.	3888.6
172	252.	4213.9
173	253.	3233.1
174	254.	3873.2
175	255.	3837.7
176	256.	4022.4
177	257.	5325.4
178	258.	4869.2
179	259.	4668.4
180	260.	5418.3
181	261.	3897.3
182	262.	4408.
183	263.	4476.1
184	264.	4180.2
185	265.	4637.1
186	266.	3333.4
187	267.	4457.9
188	268.	4351.3
189	269.	4782.3
190	270.	5216.6
191	271.	5617.5
192	272.	5451.6
193	273.	5227.1
194	274.	3790.2
195	275.	3516.4
196	276.	3190.1
197	277.	3038.
198	278.	2848.9
199	279.	2967.9
200	280.	3108.8
201	281.	3348.4
202	282.	3634.9
203	283.	3992.1
204	284.	4124.4
205	285.	4664.6
206	286.	4764.2
207	287.	5760.6
208		

	288.	5191.
209	289.	4914.8
210	290.	4568.6
211	291.	4015.2
212	292.	3486.2
213	293.	4078.8
214	294.	4167.7
215	295.	5790.7
216	296.	13771
217	297.	9538.6
218	298.	6280.1
219	299.	10177
220	300.	10107
221	301.	9178.7
222	302.	6423.9
223	303.	11799
224	304.	17051
225	305.	16640
226	306.	11740
227	307.	8524.4
228	308.	5654.2
229	309.	3411.3
230	310.	3690.7
231	311.	2257.4
232	312.	1721.5
233	313.	2138.2
234	314.	1950.5
235	315.	1903.7
236	316.	2021.4
237	317.	5621.8
238	318.	3847.8
239	319.	1880.1
240	320.	2300.
241	321.	2441.8
242	322.	
243	323.	
244	324.	
245	325.	
246	326.	
247	327.	
248	328.	
249	329.	
250	330.	
251	331.	
252	332.	
253	333.	
254	334.	
255	335.	
256	336.	
257	337.	
258	338.	
259	339.	
260	340.	
261	341.	
262	342.	
263	343.	
264	344.	
265	345.	
266	346.	
267	347.	
268		

	348.	
269	349.	
270	350.	
271	351.	
272	352.	
273	353.	
274	354.	
275	355.	
276	356.	
277	357.	
278	358.	
279	359.	
280	360.	
281	361.	
282	362.	
283	363.	
284	364.	
285	365.	
286	366.	
287	367.	
288	368.	
289	369.	
290	370.	
291	371.	
292	372.	
293	373.	
294	374.	
295	375.	
296	376.	
297	377.	
298	378.	2000.
299	379.	
300	380.	
301	381.	
302	382.	
303	383.	
304	384.	
305	385.	
306	386.	
307	387.	
308	388.	
309	389.	
310	390.	
311	391.	
312	392.	
313	393.	
314	394.	
315	395.	
316	396.	
317	397.	
318	398.	
319	399.	
320	400.	
321	401.	
322	402.	
323	403.	
324	404.	
325	405.	
326	406.	
327	407.	
328		

	408.	
329	409.	
330	410.	
331	411.	
332	412.	
333	413.	
334	414.	
335	415.	
336	416.	
337	417.	
338	418.	
339	419.	
340	420.	
341	421.	
342	422.	
343	423.	
344	424.	
345	425.	
346	426.	
347	427.	
348	428.	
349	429.	
350	430.	
351	431.	
352	432.	
353	433.	
354	434.	
355	435.	
356	436.	
357	437.	
358	438.	
359	439.	
360	440.	
361	441.	
362	442.	
363	443.	
364	444.	
365	445.	
366	446.	
367	447.	
368	448.	
369	449.	
370	450.	
371	451.	
372	452.	
373	453.	
374	454.	
375	455.	
376	456.	
377	457.	
378	458.	
379	459.	
380	460.	
381	461.	
382	462.	
383	463.	
384	464.	
385	465.	
386	466.	
387	467.	
388		

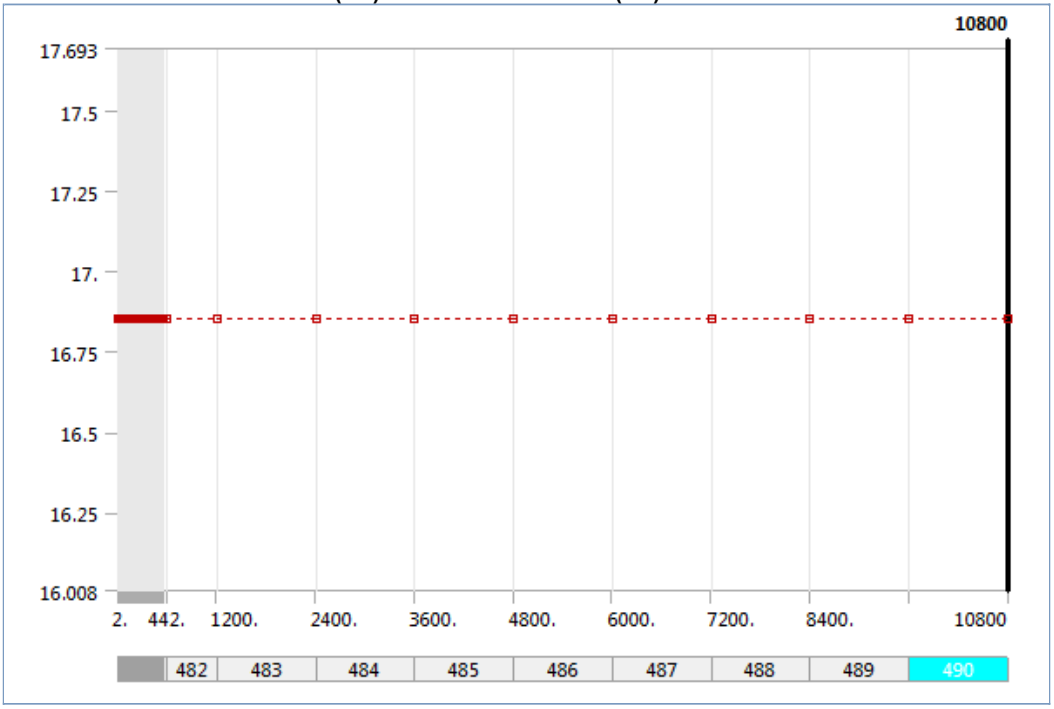
	468.
389	469.
390	470.
391	471.
392	472.
393	473.
394	474.
395	475.
396	476.
397	477.
398	478.
399	479.
400	480.
401	481.
402	482.
403	483.
404	484.
405	485.
406	486.
407	487.
408	488.
409	489.
410	490.
411	491.
412	492.
413	493.
414	494.
415	495.
416	496.
417	497.
418	498.
419	499.
420	500.
421	501.
422	502.
423	503.
424	504.
425	505.
426	506.
427	507.
428	508.
429	509.
430	510.
431	511.
432	512.
433	513.
434	514.
435	515.
436	516.
437	517.
438	518.
439	519.
440	520.
441	521.
442	522.
443	523.
444	524.
445	525.
446	526.
447	527.
448	

	528.
449	529.
450	530.
451	531.
452	532.
453	533.
454	534.
455	535.
456	536.
457	537.
458	538.
459	539.
460	540.
461	541.
462	542.
463	543.
464	544.
465	545.
466	546.
467	547.
468	548.
469	549.
470	550.
471	551.
472	552.
473	553.
474	554.
475	555.
476	556.
477	557.
478	558.
479	559.
480	560.
481	565.
	570.
	575.
	580.
	585.
	590.
	595.
	600.
482	700.
	800.
	900.
	1000.
	1200.
483	1400.
	1600.
	1800.
	2000.
	2200.
	2400.
484	2600.
	2800.
	3000.
	3200.
	3400.
	3600.
	3800.
	4000.

485	4200.
	4400.
	4600.
	4800.
486	5000.
	5200.
	5400.
	5600.
	5800.
	6000.
487	6200.
	6400.
	6600.
	6800.
	7000.
	7200.
488	8400.
489	9600.
490	10800

		0.

FIGURE 10
Model (O4) > Transient Thermal (O5) > Radiation



Solution (O6)

TABLE 20
Model (O4) > Transient Thermal (O5) > Solution

Object Name	*Solution (O6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	26 m 49 s
MAPDL Memory Used	2.542 GB
MAPDL Result File Size	4.0715 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 21
Model (O4) > Transient Thermal (O5) > Solution (O6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single

Display Type	Lines

TABLE 22
Model (O4) > Transient Thermal (O5) > Solution (O6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	24.006 °C	16.85 °C
Maximum	71.627 °C	16.85 °C

FIGURE 11
Model (O4) > Transient Thermal (O5) > Solution (O6) > Solution Information > Temperature - Global Maximum

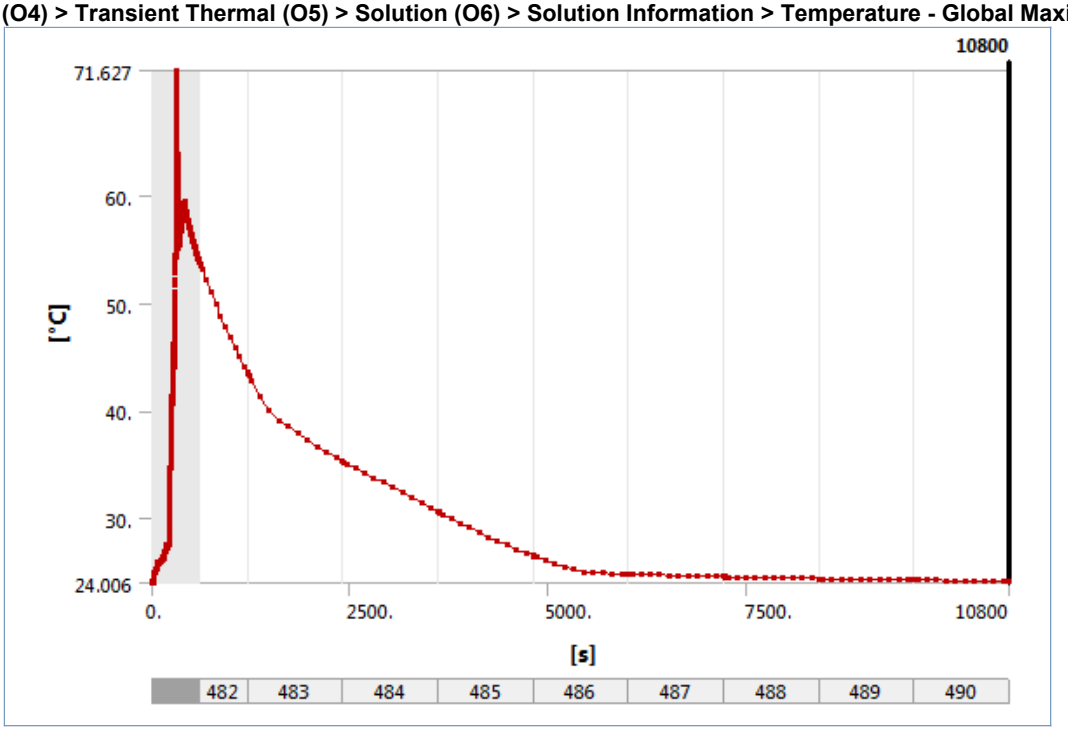


FIGURE 12
Model (O4) > Transient Thermal (O5) > Solution (O6) > Solution Information > Temperature - Global Minimum

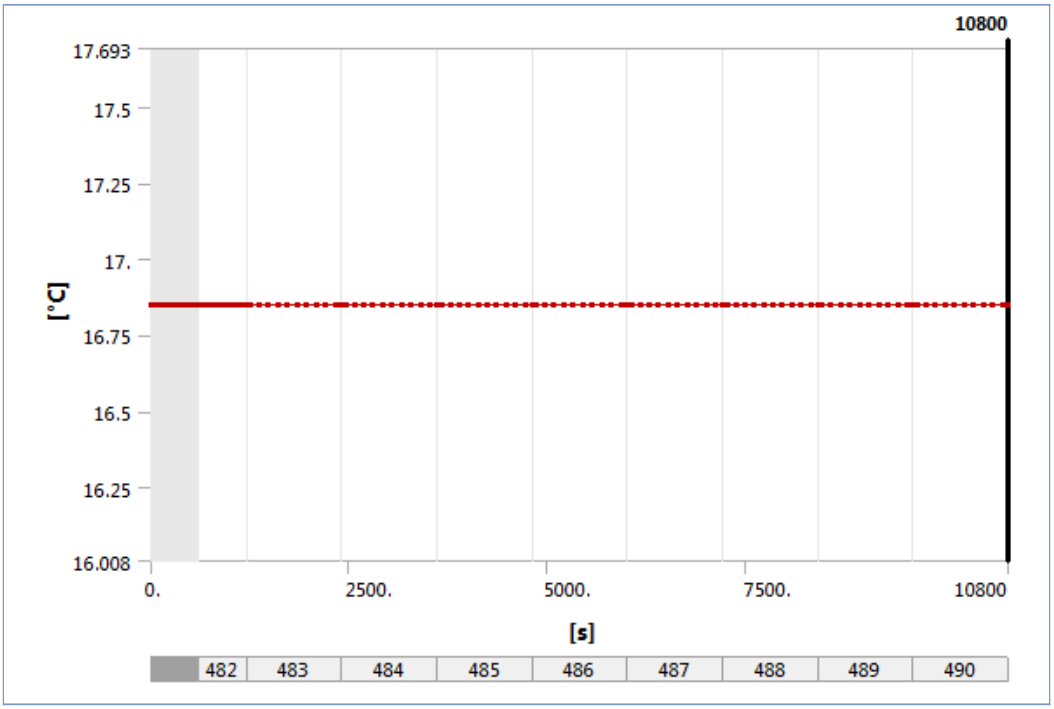


TABLE 23
Model (O4) > Transient Thermal (O5) > Solution (O6) > Results

Object Name	*Overall T*	*Drum Content T*	*Permacon T*	*Drum T*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	4 Faces	6 Faces
Definition				
Type	Temperature			
By	Time			
Display Time	Last			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	17.443 °C	22.366 °C	17.443 °C	18.598 °C
Maximum	24.196 °C		22.067 °C	23.825 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	17.443 °C	22.366 °C	17.443 °C	18.598 °C
Maximum	22.25 °C	23.891 °C	25.946 °C	24.135 °C
Maximum Value Over Time				
Minimum	24.006 °C	23.89 °C	22.029 °C	23.825 °C
Maximum	71.627 °C	28.475 °C	71.627 °C	39.789 °C
Information				
Time	10800 s			
Load Step	490			
Substep	13			
Iteration Number	6431			

FIGURE 13
Model (O4) > Transient Thermal (O5) > Solution (O6) > Overall T

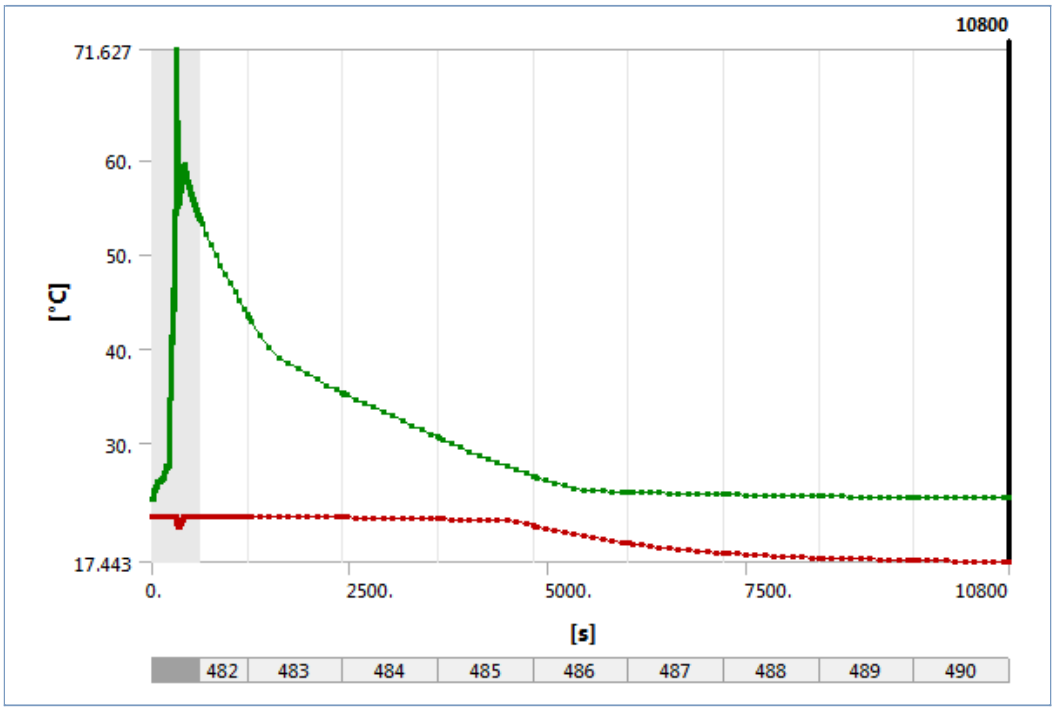


TABLE 24
Model (O4) > Transient Thermal (O5) > Solution (O6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		24.13
0.1		
0.28		24.128
0.48		24.125
0.68		24.123
0.88		24.122
1.08		24.12
1.28		24.118
1.48		24.117
1.68		24.115
1.88		24.114
2.		
2.02		24.112
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		
4.02		24.095
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088

5.08	24.086
5.28	24.084
5.48	24.083
5.68	24.081
5.88	24.079
6.	24.078
6.02	
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.066
7.68	24.064
7.88	24.062
8.	24.061
8.02	
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.055
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.049
9.68	24.047
9.88	24.045
10.	24.044
10.02	
10.04	
10.1	
10.28	24.042
10.48	24.04
10.68	24.039
10.88	24.037
11.08	24.036
11.28	24.034
11.48	24.032
11.68	24.031
11.88	24.029
12.	24.028
12.02	
12.04	
12.1	24.027
12.28	24.026
12.48	24.024
12.68	24.022
12.88	24.021
13.08	24.019
13.28	24.018
13.48	24.016
13.68	24.014
13.88	24.013
14.	24.012
14.02	
14.04	24.011

14.1	
14.28	24.009
14.48	24.008
14.68	24.006
14.88	24.011
15.08	24.046
15.28	24.083
15.48	24.122
15.68	24.163
15.88	24.206
16.	24.232
16.02	24.236
16.04	24.24
16.1	24.252
16.28	24.28
16.48	24.307
16.68	24.331
16.88	24.354
17.08	24.376
17.28	24.396
17.48	24.415
17.68	24.432
17.88	24.447
18.	24.456
18.02	24.458
18.04	24.459
18.1	24.465
18.28	24.482
18.48	24.502
18.68	24.524
18.88	24.546
19.08	24.569
19.28	24.593
19.48	24.617
19.68	24.641
19.88	24.666
20.	24.681
20.02	24.684
20.04	24.686
20.1	24.692
20.28	24.707
20.48	24.72
20.68	24.729
20.88	24.737
21.08	24.742
21.28	24.746
21.48	24.748
21.68	
21.88	24.747
22.	24.745
22.02	
22.04	
22.1	
22.28	24.747
22.48	24.751
22.68	24.756
22.88	24.761
23.08	24.767
23.28	24.773
23.48	24.779

23.68	24.786
23.88	24.793
24.	24.797
24.02	24.798
24.04	
24.1	24.8
24.28	24.803
24.48	24.804
24.68	24.805
24.88	24.804
25.08	24.802
25.28	24.799
25.48	24.796
25.68	24.792
25.88	24.787
26.	24.784
26.02	
26.04	24.783
26.1	
26.28	24.786
26.48	24.792
26.68	24.801
26.88	24.812
27.08	24.824
27.28	24.839
27.48	24.854
27.68	24.871
27.88	24.889
28.	24.9
28.02	24.902
28.04	24.904
28.1	24.908
28.28	24.919
28.48	24.927
28.68	24.933
28.88	24.938
29.08	24.941
29.28	24.943
29.48	24.944
29.68	24.943
29.88	24.942
30.	24.941
30.02	
30.04	
30.1	
30.28	24.942
30.48	24.943
30.68	24.946
30.88	24.949
31.08	24.952
31.28	24.955
31.48	24.959
31.68	24.964
31.88	24.968
32.	24.971
32.02	
32.04	24.972
32.1	
32.28	24.974
32.48	

32.68	24.973
32.88	24.971
33.08	24.968
33.28	24.965
33.48	24.962
33.68	24.957
33.88	24.953
34.	24.95
34.02	24.949
34.04	
34.1	24.948
34.28	24.946
34.48	
34.68	24.947
34.88	24.948
35.08	24.95
35.28	24.952
35.48	24.954
35.68	24.957
35.88	24.961
36.	24.963
36.02	
36.04	
36.1	24.964
36.28	24.967
36.48	24.97
36.68	24.974
36.88	24.977
37.08	24.98
37.28	24.983
37.48	24.987
37.68	24.99
37.88	24.993
38.	24.996
38.02	
38.04	24.997
38.1	24.998
38.28	25.
38.48	25.002
38.68	25.004
38.88	25.005
39.08	25.007
39.28	25.008
39.48	25.009
39.68	
39.88	25.01
40.	
40.02	
40.04	
40.1	25.011
40.28	25.016
40.48	25.023
40.68	25.032
40.88	25.042
41.08	25.053
41.28	25.065
41.48	25.078
41.68	25.092
41.88	25.106
42.	25.115

42.02	25.116
42.04	25.118
42.1	25.122
42.28	25.131
42.48	25.14
42.68	25.148
42.88	25.155
43.08	25.161
43.28	25.167
43.48	25.172
43.68	25.177
43.88	25.182
44.	25.185
44.02	
44.04	
44.1	25.186
44.28	25.189
44.48	25.191
44.68	25.192
44.88	25.193
45.08	
45.28	
45.48	
45.68	25.192
45.88	25.19
46.	25.189
46.02	
46.04	
46.1	
46.28	
46.48	
46.68	
46.88	25.19
47.08	
47.28	25.191
47.48	25.192
47.68	25.193
47.88	25.194
48.	
48.02	
48.04	25.195
48.1	
48.28	25.199
48.48	25.204
48.68	25.21
48.88	25.217
49.08	25.225
49.28	25.233
49.48	25.242
49.68	25.252
49.88	25.262
50.	25.268
50.02	25.269
50.04	25.27
50.1	25.273
50.28	25.28
50.48	25.288
50.68	25.295
50.88	25.302
51.08	25.309

51.28	25.316
51.48	25.323
51.68	25.329
51.88	25.336
52.	25.34
52.02	
52.04	25.341
52.1	25.342
52.28	25.345
52.48	25.348
52.68	25.349
52.88	
53.08	
53.28	25.347
53.48	25.346
53.68	25.344
53.88	25.341
54.	25.339
54.02	
54.04	
54.1	25.338
54.28	25.336
54.48	25.335
54.68	25.334
54.88	
55.08	25.333
55.28	25.332
55.48	
55.68	25.331
55.88	
56.	25.33
56.02	
56.04	
56.1	
56.28	25.333
56.48	25.337
56.68	25.341
56.88	25.347
57.08	25.353
57.28	25.36
57.48	25.368
57.68	25.376
57.88	25.384
58.	25.389
58.02	25.39
58.04	25.391
58.1	25.393
58.28	25.4
58.48	25.406
58.68	25.412
58.88	25.417
59.08	25.423
59.28	25.428
59.48	25.433
59.68	25.438
59.88	25.443
60.	25.446
60.02	
60.04	25.447
60.1	25.448

60.28	25.451
60.48	25.453
60.68	25.454
60.88	25.455
61.08	
61.28	25.456
61.48	25.455
61.68	25.454
61.88	25.453
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62.02	
62.04	
62.1	
62.28	25.455
62.48	25.459
62.68	25.464
62.88	25.47
63.08	25.477
63.28	25.484
63.48	25.492
63.68	25.5
63.88	25.509
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64.02	25.515
64.04	25.516
64.1	25.519
64.28	25.53
64.48	25.544
64.68	25.56
64.88	25.576
65.08	25.593
65.28	25.612
65.48	25.631
65.68	25.651
65.88	25.671
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66.02	25.686
66.04	25.688
66.1	25.693
66.28	25.703
66.48	25.712
66.68	25.717
66.88	25.721
67.08	25.723
67.28	
67.48	
67.68	25.721
67.88	25.717
68.	25.715
68.02	
68.04	25.714
68.1	
68.28	25.716
68.48	25.72
68.68	25.725
68.88	25.731
69.08	25.738
69.28	25.746
69.48	25.755
69.68	25.763

69.88	25.773
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70.04	25.78
70.1	25.783
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70.68	25.796
70.88	25.799
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71.28	25.803
71.48	25.804
71.68	25.805
71.88	
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72.04	
72.1	25.806
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72.48	25.815
72.68	25.821
72.88	25.829
73.08	25.837
73.28	25.846
73.48	25.856
73.68	25.866
73.88	25.876
74.	25.883
74.02	25.884
74.04	25.885
74.1	25.888
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74.48	25.903
74.68	25.911
74.88	25.918
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75.28	25.931
75.48	25.937
75.68	25.943
75.88	25.949
76.	25.952
76.02	25.953
76.04	
76.1	25.954
76.28	25.956
76.48	25.957
76.68	
76.88	25.956
77.08	25.954
77.28	25.952
77.48	25.948
77.68	25.944
77.88	25.94
78.	25.937
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78.1	25.935
78.28	
78.48	
78.68	25.937

78.88	25.939
79.08	25.942
79.28	25.945
79.48	25.949
79.68	25.954
79.88	25.958
80.	25.961
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80.04	
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80.28	25.965
80.48	25.967
80.68	25.968
80.88	25.969
81.08	
81.28	
81.48	
81.68	25.968
81.88	25.967
82.	
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82.04	
82.1	25.966
82.28	25.964
82.48	25.96
82.68	25.956
82.88	25.951
83.08	25.946
83.28	25.94
83.48	25.934
83.68	25.928
83.88	25.921
84.	25.917
84.02	25.916
84.04	25.915
84.1	25.913
84.28	25.909
84.48	25.905
84.68	25.902
84.88	25.899
85.08	25.896
85.28	25.894
85.48	25.892
85.68	25.89
85.88	25.888
86.	
86.02	25.887
86.04	
86.1	
86.28	
86.48	25.888
86.68	25.89
86.88	25.893
87.08	25.895
87.28	25.899
87.48	25.902
87.68	25.906
87.88	25.911
88.	25.913
88.02	25.914

88.04	
88.1	25.915
88.28	25.916
88.48	
88.68	25.915
88.88	25.913
89.08	25.911
89.28	25.908
89.48	25.905
89.68	25.902
89.88	25.898
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90.02	
90.04	25.894
90.1	25.893
90.28	25.89
90.48	25.887
90.68	25.884
90.88	25.881
91.08	25.878
91.28	25.875
91.48	25.872
91.68	25.869
91.88	25.866
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92.02	25.864
92.04	
92.1	
92.28	
92.48	25.865
92.68	25.866
92.88	25.869
93.08	25.872
93.28	25.876
93.48	25.88
93.68	25.885
93.88	25.89
94.	25.893
94.02	25.894
94.04	
94.1	25.895
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94.48	25.899
94.68	25.9
94.88	25.901
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95.28	
95.48	25.9
95.68	25.899
95.88	25.898
96.	25.897
96.02	
96.04	
96.1	
96.28	25.896
96.48	
96.68	
96.88	
97.08	
97.28	

97.48	
97.68	
97.88	
98.	
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98.48	
98.68	25.896
98.88	25.895
99.08	
99.28	25.894
99.48	25.893
99.68	25.891
99.88	25.89
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100.1	
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102.88	
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105.68	
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106.28	25.88

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115.88	25.954

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139.08	26.267
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143.48	26.359

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152.48	26.611

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159.68	26.767
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166.02	27.117
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166.34	
166.44	27.123
166.54	27.12
166.64	27.115
166.74	27.11
166.84	27.102
166.94	27.094
167.	27.089
167.01	27.088
167.02	27.087
167.05	27.085
167.14	27.08
167.24	27.075
167.34	27.072
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167.64	27.065
167.74	27.063
167.84	27.062
167.94	27.061
168.	27.06
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171.24	27.327
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171.44	27.327
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173.94	27.305
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174.05	27.307
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174.24	27.313
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179.02	27.568
179.05	27.57
179.14	27.572
179.24	27.57
179.34	27.564

179.44	27.555
179.54	27.543
179.64	27.529
179.74	27.513
179.84	27.494
179.94	27.474
180.	27.462
180.01	27.46
180.02	27.458
180.05	27.452
180.14	27.44
180.24	27.429
180.34	27.42
180.44	27.414
180.54	27.409
180.64	27.405
180.74	27.402
180.84	27.401
180.94	27.4
181.	
181.01	
181.02	
181.05	
181.14	27.401
181.24	27.402
181.34	27.404
181.44	27.407
181.54	27.41
181.64	27.414
181.74	27.418
181.84	27.423
181.94	27.428
182.	27.432
182.01	
182.02	27.433
182.05	27.434
182.14	27.438
182.24	27.441
182.34	27.444
182.44	27.446
182.54	27.449
182.64	27.451
182.74	27.452
182.84	27.454
182.94	27.456
183.	27.457
183.01	
183.02	
183.05	27.458
183.14	27.462
183.24	27.469
183.34	27.476
183.44	27.485
183.54	27.495
183.64	27.506
183.74	27.517
183.84	27.53
183.94	27.543
184.	27.551
184.01	27.552

184.02	27.553
184.05	27.556
184.14	27.562
184.24	27.566
184.34	27.567
184.44	27.565
184.54	27.562
184.64	27.558
184.74	27.552
184.84	27.545
184.94	27.536
185.	27.531
185.01	27.53
185.02	27.529
185.05	27.527
185.14	27.523
185.24	27.52
185.34	27.518
185.44	27.517
185.54	
185.64	27.518
185.74	27.52
185.84	27.522
185.94	27.525
186.	27.527
186.01	
186.02	
186.05	27.528
186.14	27.526
186.24	27.521
186.34	27.514
186.44	27.506
186.54	27.496
186.64	27.485
186.74	27.472
186.84	27.459
186.94	27.444
187.	27.435
187.01	27.434
187.02	27.433
187.05	27.429
187.14	27.418
187.24	27.409
187.34	27.4
187.44	27.393
187.54	27.386
187.64	27.38
187.74	27.374
187.84	27.369
187.94	27.364
188.	27.361
188.01	
188.02	
188.05	27.359
188.14	27.355
188.24	27.35
188.34	27.345
188.44	27.341
188.54	27.336
188.64	27.331

188.74	27.327
188.84	27.322
188.94	27.317
189.	27.315
189.01	27.314
189.02	
189.05	27.313
189.14	
189.24	27.314
189.34	27.318
189.44	27.322
189.54	27.329
189.64	27.336
189.74	27.344
189.84	27.353
189.94	27.363
190.	27.37
190.01	27.371
190.02	27.372
190.05	27.375
190.14	27.383
190.24	27.391
190.34	27.398
190.44	27.405
190.54	27.412
190.64	27.419
190.74	27.425
190.84	27.432
190.94	27.438
191.	27.442
191.01	
191.02	27.443
191.05	27.444
191.14	27.446
191.24	27.445
191.34	27.443
191.44	27.44
191.54	27.435
191.64	27.429
191.74	27.422
191.84	27.414
191.94	27.405
192.	27.399
192.01	27.398
192.02	27.397
192.05	27.394
192.14	27.388
192.24	27.381
192.34	27.375
192.44	27.37
192.54	27.365
192.64	27.36
192.74	27.355
192.84	27.351
192.94	27.347
193.	27.344
193.01	
193.02	27.343
193.05	27.342
193.14	27.339

193.24	27.335
193.34	27.332
193.44	27.329
193.54	27.326
193.64	27.323
193.74	27.321
193.84	27.318
193.94	27.316
194.	27.315
194.01	27.314
194.02	
194.05	
194.14	27.317
194.24	27.324
194.34	27.332
194.44	27.343
194.54	27.356
194.64	27.37
194.74	27.385
194.84	27.402
194.94	27.42
195.	27.431
195.01	27.433
195.02	27.435
195.05	27.439
195.14	27.448
195.24	27.453
195.34	27.455
195.44	27.454
195.54	27.451
195.64	27.445
195.74	27.438
195.84	27.429
195.94	27.418
196.	27.412
196.01	27.411
196.02	27.409
196.05	27.406
196.14	27.399
196.24	27.392
196.34	27.385
196.44	27.379
196.54	27.373
196.64	27.368
196.74	27.363
196.84	27.358
196.94	27.354
197.	27.351
197.01	27.35
197.02	
197.05	27.349
197.14	27.348
197.24	27.347
197.34	27.348
197.44	27.35
197.54	27.353
197.64	27.357
197.74	27.361
197.84	27.366
197.94	27.372

198.	27.376
198.01	
198.02	27.377
198.05	27.378
198.14	27.381
198.24	27.383
198.34	27.384
198.44	27.385
198.54	
198.64	27.384
198.74	27.383
198.84	27.381
198.94	27.379
199.	27.377
199.01	
199.02	
199.05	
199.14	
199.24	27.378
199.34	27.38
199.44	27.383
199.54	27.386
199.64	27.39
199.74	27.394
199.84	27.399
199.94	27.404
200.	27.407
200.01	27.408
200.02	
200.05	27.41
200.14	27.414
200.24	27.419
200.34	27.423
200.44	27.428
200.54	27.432
200.64	27.436
200.74	27.441
200.84	27.445
200.94	27.45
201.	27.452
201.01	27.453
201.02	
201.05	27.454
201.14	
201.24	27.451
201.34	27.446
201.44	27.44
201.54	27.433
201.64	27.424
201.74	27.414
201.84	27.407
201.94	27.406
202.	27.405
202.01	
202.02	
202.05	
202.14	27.406
202.24	27.408
202.34	27.41
202.44	27.413

202.54	27.416
202.64	27.419
202.74	27.423
202.84	27.426
202.94	27.43
203.	27.433
203.01	
203.02	27.434
203.05	
203.14	27.437
203.24	27.438
203.34	27.44
203.44	27.441
203.54	27.442
203.64	27.443
203.74	
203.84	27.444
203.94	
204.	
204.01	
204.02	
204.05	
204.14	27.445
204.24	
204.34	27.446
204.44	27.447
204.54	27.448
204.64	27.449
204.74	27.45
204.84	
204.94	27.451
205.	27.452
205.01	
205.02	
205.05	27.453
205.14	27.455
205.24	27.457
205.34	27.46
205.44	27.463
205.54	27.467
205.64	27.47
205.74	27.474
205.84	27.478
205.94	27.482
206.	27.485
206.01	
206.02	27.486
206.05	27.487
206.14	27.49
206.24	27.493
206.34	27.496
206.44	27.499
206.54	27.502
206.64	27.505
206.74	27.507
206.84	27.51
206.94	27.513
207.	27.514
207.01	27.515
207.02	

207.05	27.516
207.14	27.518
207.24	27.521
207.34	27.523
207.44	27.526
207.54	27.528
207.64	27.531
207.74	27.533
207.84	27.536
207.94	27.538
208.	27.539
208.01	27.54
208.02	
208.05	27.541
208.14	27.543
208.24	27.545
208.34	27.548
208.44	27.551
208.54	27.555
208.64	27.558
208.74	27.561
208.84	27.564
208.94	27.566
209.	27.568
209.01	27.569
209.02	
209.05	27.57
209.14	27.575
209.24	27.583
209.34	27.591
209.44	27.601
209.54	27.611
209.64	27.622
209.74	27.634
209.84	27.647
209.94	27.66
210.	27.668
210.01	27.67
210.02	27.671
210.05	27.677
210.14	27.697
210.24	27.724
210.34	27.755
210.44	27.789
210.54	27.825
210.64	27.865
210.74	27.907
210.84	27.951
210.94	27.998
211.	28.026
211.01	28.031
211.02	28.035
211.05	28.047
211.14	28.073
211.24	28.093
211.34	28.107
211.44	28.114
211.54	28.117
211.64	28.115
211.74	28.11

211.84	28.101
211.94	28.089
212.	28.08
212.01	28.079
212.02	28.077
212.05	28.074
212.14	28.063
212.24	28.051
212.34	28.039
212.44	28.027
212.54	28.014
212.64	28.001
212.74	27.987
212.84	27.972
212.94	27.957
213.	27.948
213.01	27.947
213.02	27.946
213.05	27.945
213.14	27.956
213.24	27.981
213.34	28.018
213.44	28.064
213.54	28.117
213.64	28.178
213.74	28.246
213.84	28.319
213.94	28.398
214.	28.447
214.01	28.455
214.02	28.463
214.05	28.484
214.14	28.532
214.24	28.573
214.34	28.603
214.44	28.626
214.54	28.643
214.64	28.653
214.74	28.658
214.84	28.659
214.94	28.655
215.	28.652
215.01	28.651
215.02	
215.05	28.649
215.14	28.647
215.24	28.644
215.34	28.641
215.44	28.638
215.54	28.635
215.64	28.631
215.74	28.627
215.84	28.622
215.94	28.617
216.	28.613
216.01	
216.02	28.612
216.05	
216.14	28.616
216.24	28.626

216.34	28.639
216.44	28.656
216.54	28.676
216.64	28.698
216.74	28.723
216.84	28.749
216.94	28.778
217.	28.795
217.01	28.798
217.02	28.801
217.05	28.808
217.14	28.824
217.24	28.837
217.34	28.846
217.44	28.851
217.54	28.853
217.64	
217.74	28.851
217.84	28.846
217.94	28.84
218.	28.836
218.01	28.835
218.02	28.834
218.05	28.832
218.14	28.827
218.24	28.823
218.34	28.818
218.44	28.813
218.54	28.809
218.64	28.804
218.74	28.799
218.84	28.795
218.94	28.789
219.	28.786
219.01	
219.02	28.785
219.05	
219.14	28.788
219.24	28.796
219.34	28.807
219.44	28.821
219.54	28.838
219.64	28.857
219.74	28.878
219.84	28.9
219.94	28.925
220.	28.94
220.01	28.943
220.02	28.945
220.05	28.951
220.14	28.964
220.24	28.974
220.34	28.98
220.44	28.982
220.54	
220.64	28.979
220.74	28.975
220.84	28.968
220.94	28.96
221.	28.954

221.01	28.953
221.02	
221.05	28.951
221.14	28.953
221.24	28.959
221.34	28.97
221.44	28.984
221.54	29.
221.64	29.019
221.74	29.04
221.84	29.063
221.94	29.088
222.	29.104
222.01	29.106
222.02	29.109
222.05	29.117
222.14	29.144
222.24	29.177
222.34	29.212
222.44	29.249
222.54	29.287
222.64	29.328
222.74	29.37
222.84	29.414
222.94	29.459
223.	29.487
223.01	29.491
223.02	29.496
223.05	29.509
223.14	29.549
223.24	29.593
223.34	29.636
223.44	29.679
223.54	29.722
223.64	29.765
223.74	29.809
223.84	29.852
223.94	29.896
224.	29.923
224.01	29.927
224.02	29.932
224.05	29.947
224.14	29.998
224.24	30.062
224.34	30.131
224.44	30.205
224.54	30.282
224.64	30.364
224.74	30.449
224.84	30.538
224.94	30.629
225.	30.685
225.01	30.695
225.02	30.704
225.05	30.729
225.14	30.796
225.24	30.862
225.34	30.922
225.44	30.976
225.54	31.026

225.64	31.072
225.74	31.115
225.84	31.154
225.94	31.191
226.	31.212
226.01	31.216
226.02	31.22
226.05	31.232
226.14	31.274
226.24	31.326
226.34	31.382
226.44	31.441
226.54	31.503
226.64	31.567
226.74	31.633
226.84	31.701
226.94	31.771
227.	31.814
227.01	31.821
227.02	31.828
227.05	31.851
227.14	31.921
227.24	32.004
227.34	32.089
227.44	32.178
227.54	32.27
227.64	32.365
227.74	32.462
227.84	32.561
227.94	32.663
228.	32.724
228.01	32.734
228.02	32.744
228.05	32.772
228.14	32.848
228.24	32.922
228.34	32.99
228.44	33.051
228.54	33.108
228.64	33.16
228.74	33.209
228.84	33.254
228.94	33.296
229.	33.32
229.01	33.324
229.02	33.329
229.05	33.344
229.14	33.402
229.24	33.479
229.34	33.564
229.44	33.657
229.54	33.757
229.64	33.862
229.74	33.972
229.84	34.087
229.94	34.207
230.	34.28
230.01	34.292
230.02	34.303
230.05	34.337
230.14	

	34.425
230.24	34.513
230.34	34.592
230.44	34.665
230.54	34.732
230.64	34.794
230.74	34.851
230.84	34.905
230.94	34.955
231.	34.984
231.01	34.989
231.02	34.994
231.05	35.008
231.14	35.051
231.24	35.096
231.34	35.14
231.44	35.183
231.54	35.224
231.64	35.264
231.74	35.302
231.84	35.339
231.94	35.375
232.	35.396
232.01	35.399
232.02	35.403
232.05	35.412
232.14	35.437
232.24	35.459
232.34	35.479
232.44	35.494
232.54	35.507
232.64	35.518
232.74	35.525
232.84	35.53
232.94	35.533
233.	35.534
233.01	
233.02	
233.05	
233.14	35.53
233.24	35.523
233.34	35.512
233.44	35.499
233.54	35.483
233.64	35.464
233.74	35.444
233.84	35.42
233.94	35.395
234.	35.379
234.01	35.376
234.02	35.373
234.05	35.366
234.14	35.342
234.24	35.317
234.34	35.291
234.44	35.264
234.54	35.237
234.64	35.209
234.74	35.18
234.84	35.15

234.94	35.12
235.	35.101
235.01	35.098
235.02	35.096
235.05	35.089
235.14	35.08
235.24	35.079
235.34	35.086
235.44	35.1
235.54	35.119
235.64	35.143
235.74	35.172
235.84	35.205
235.94	35.241
236.	35.265
236.01	35.269
236.02	35.272
236.05	35.284
236.14	35.322
236.24	35.366
236.34	35.412
236.44	35.46
236.54	35.51
236.64	35.562
236.74	35.616
236.84	35.672
236.94	35.73
237.	35.765
237.01	35.771
237.02	35.777
237.05	35.793
237.14	35.836
237.24	35.879
237.34	35.919
237.44	35.956
237.54	35.99
237.64	36.022
237.74	36.052
237.84	36.08
237.94	36.107
238.	36.123
238.01	36.126
238.02	36.128
238.05	36.137
238.14	36.166
238.24	36.201
238.34	36.237
238.44	36.276
238.54	36.316
238.64	36.356
238.74	36.399
238.84	36.442
238.94	36.485
239.	36.512
239.01	36.517
239.02	36.521
239.05	36.535
239.14	36.582
239.24	36.637
239.34	36.695
239.44	

	36.757
239.54	36.82
239.64	36.886
239.74	36.954
239.84	37.024
239.94	37.095
240.	37.139
240.01	37.146
240.02	37.153
240.05	37.174
240.14	37.233
240.24	37.294
240.34	37.353
240.44	37.41
240.54	37.465
240.64	37.519
240.74	37.572
240.84	37.623
240.94	37.674
241.	37.704
241.01	37.709
241.02	37.714
241.05	37.728
241.14	37.764
241.24	37.8
241.34	37.832
241.44	37.86
241.54	37.885
241.64	37.908
241.74	37.927
241.84	37.945
241.94	37.96
242.	37.968
242.01	37.97
242.02	37.972
242.05	37.982
242.14	38.033
242.24	38.109
242.34	38.202
242.44	38.308
242.54	38.427
242.64	38.556
242.74	38.695
242.84	38.842
242.94	38.998
243.	39.095
243.01	39.11
243.02	39.125
243.05	39.164
243.14	39.251
243.24	39.317
243.34	39.359
243.44	39.383
243.54	39.389
243.64	39.381
243.74	39.36
243.84	39.327
243.94	39.283
244.	39.253
244.01	39.249
244.02	

	39.244
244.05	39.234
244.14	39.215
244.24	39.208
244.34	39.209
244.44	39.217
244.54	39.23
244.64	39.248
244.74	39.27
244.84	39.295
244.94	39.323
245.	39.341
245.01	39.344
245.02	39.348
245.05	39.359
245.14	39.403
245.24	39.461
245.34	39.528
245.44	39.602
245.54	39.683
245.64	39.769
245.74	39.86
245.84	39.957
245.94	40.058
246.	40.12
246.01	40.13
246.02	40.14
246.05	40.166
246.14	40.227
246.24	40.279
246.34	40.318
246.44	40.346
246.54	40.365
246.64	40.377
246.74	40.381
246.84	40.378
246.94	40.37
247.	40.363
247.01	40.362
247.02	
247.05	40.364
247.14	40.389
247.24	40.435
247.34	40.495
247.44	40.567
247.54	40.648
247.64	40.739
247.74	40.837
247.84	40.943
247.94	41.055
248.	41.124
248.01	41.135
248.02	41.146
248.05	41.173
248.14	41.229
248.24	41.266
248.34	41.283
248.44	41.284
248.54	41.271
248.64	41.245

248.74	41.208
248.84	41.161
248.94	41.105
249.	41.068
249.01	41.062
249.02	41.056
249.05	41.04
249.14	41.003
249.24	40.97
249.34	40.942
249.44	40.919
249.54	40.898
249.64	40.88
249.74	40.864
249.84	40.849
249.94	40.836
250.	40.828
250.01	40.827
250.02	40.825
250.05	40.822
250.14	40.813
250.24	40.805
250.34	40.798
250.44	40.792
250.54	40.787
250.64	40.783
250.74	40.78
250.84	40.777
250.94	40.775
251.	40.773
251.01	
251.02	
251.05	40.774
251.14	40.78
251.24	40.79
251.34	40.804
251.44	40.821
251.54	40.841
251.64	40.863
251.74	40.887
251.84	40.914
251.94	40.942
252.	40.959
252.01	40.962
252.02	40.964
252.05	40.97
252.14	40.975
252.24	40.969
252.34	40.954
252.44	40.932
252.54	40.904
252.64	40.87
252.74	40.83
252.84	40.786
252.94	40.738
253.	40.707
253.01	40.702
253.02	40.698
253.05	40.686
253.14	40.663

253.24	40.649
253.34	40.644
253.44	40.647
253.54	40.656
253.64	40.67
253.74	40.689
253.84	40.712
253.94	40.739
254.	40.756
254.01	40.759
254.02	40.762
254.05	40.77
254.14	40.789
254.24	40.808
254.34	40.825
254.44	40.84
254.54	40.854
254.64	40.867
254.74	40.88
254.84	40.892
254.94	40.903
255.	40.91
255.01	40.911
255.02	40.912
255.05	40.916
255.14	40.93
255.24	40.947
255.34	40.966
255.44	40.986
255.54	41.007
255.64	41.029
255.74	41.052
255.84	41.076
255.94	41.101
256.	41.116
256.01	41.119
256.02	41.122
256.05	41.132
256.14	41.176
256.24	41.236
256.34	41.305
256.44	41.383
256.54	41.468
256.64	41.559
256.74	41.657
256.84	41.76
256.94	41.869
257.	41.936
257.01	41.947
257.02	41.957
257.05	41.987
257.14	42.062
257.24	42.133
257.34	42.194
257.44	42.247
257.54	42.293
257.64	42.334
257.74	42.371
257.84	42.402
257.94	42.43
258.	

	42.445
258.01	42.448
258.02	42.45
258.05	42.458
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258.24	42.506
258.34	42.53
258.44	42.553
258.54	42.575
258.64	42.596
258.74	42.616
258.84	42.635
258.94	42.653
259.	42.664
259.01	42.666
259.02	42.668
259.05	42.675
259.14	42.707
259.24	42.75
259.34	42.799
259.44	42.854
259.54	42.914
259.64	42.978
259.74	43.046
259.84	43.118
259.94	43.192
260.	43.238
260.01	43.246
260.02	43.252
260.05	43.27
260.14	43.304
260.24	43.323
260.34	43.328
260.44	43.32
260.54	43.301
260.64	43.274
260.74	43.237
260.84	43.193
260.94	43.142
261.	43.109
261.01	43.103
261.02	43.098
261.05	43.086
261.14	43.062
261.24	43.049
261.34	43.045
261.44	43.048
261.54	43.058
261.64	43.074
261.74	43.094
261.84	43.118
261.94	43.146
262.	43.164
262.01	43.167
262.02	43.17
262.05	43.178
262.14	43.201
262.24	43.225
262.34	43.249
262.44	43.272
262.54	

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262.64	43.317
262.74	43.339
262.84	43.362
262.94	43.384
263.	43.397
263.01	43.4
263.02	43.402
263.05	43.407
263.14	43.421
263.24	43.433
263.34	43.442
263.44	43.448
263.54	43.452
263.64	
263.74	43.455
263.84	
263.94	43.452
264.	43.451
264.01	43.45
264.02	
264.05	43.451
264.14	43.46
264.24	43.475
264.34	43.496
264.44	43.52
264.54	43.548
264.64	43.579
264.74	43.612
264.84	43.648
264.94	43.686
265.	43.709
265.01	43.713
265.02	43.716
265.05	43.724
265.14	43.731
265.24	43.725
265.34	43.706
265.44	43.678
265.54	43.641
265.64	43.596
265.74	43.544
265.84	43.486
265.94	43.421
266.	43.381
266.01	43.374
266.02	43.368
266.05	43.354
266.14	43.328
266.24	43.319
266.34	43.323
266.44	43.339
266.54	43.366
266.64	43.4
266.74	43.443
266.84	43.492
266.94	43.548
267.	43.584
267.01	43.59
267.02	43.595

267.05	43.611
267.14	43.65
267.24	43.686
267.34	43.717
267.44	43.745
267.54	43.77
267.64	43.792
267.74	43.812
267.84	43.831
267.94	43.848
268.	43.857
268.01	43.859
268.02	43.861
268.05	43.867
268.14	43.89
268.24	43.92
268.34	43.954
268.44	43.991
268.54	44.03
268.64	44.072
268.74	44.115
268.84	44.161
268.94	44.208
269.	44.237
269.01	44.242
269.02	44.247
269.05	44.262
269.14	44.308
269.24	44.361
269.34	44.415
269.44	44.471
269.54	44.528
269.64	44.586
269.74	44.646
269.84	44.707
269.94	44.77
270.	44.808
270.01	44.814
270.02	44.82
270.05	44.839
270.14	44.896
270.24	44.96
270.34	45.024
270.44	45.088
270.54	45.154
270.64	45.22
270.74	45.286
270.84	45.353
270.94	45.421
271.	45.462
271.01	45.468
271.02	45.475
271.05	45.494
271.14	45.546
271.24	45.6
271.34	45.649
271.44	45.695
271.54	45.739
271.64	45.781
271.74	45.82
271.84	

	45.857
271.94	45.893
272.	45.914
272.01	45.917
272.02	45.921
272.05	45.931
272.14	45.959
272.24	45.989
272.34	46.017
272.44	46.044
272.54	46.069
272.64	46.093
272.74	46.115
272.84	46.137
272.94	46.157
273.	46.169
273.01	46.171
273.02	46.172
273.05	46.175
273.14	46.17
273.24	46.152
273.34	46.123
273.44	46.086
273.54	46.04
273.64	45.987
273.74	45.928
273.84	45.862
273.94	45.79
274.	45.745
274.01	45.738
274.02	45.731
274.05	45.71
274.14	45.657
274.24	45.603
274.34	45.554
274.44	45.509
274.54	45.465
274.64	45.424
274.74	45.384
274.84	45.346
274.94	45.309
275.	45.286
275.01	45.283
275.02	45.279
275.05	45.268
275.14	45.234
275.24	45.197
275.34	45.159
275.44	45.121
275.54	45.084
275.64	45.045
275.74	45.007
275.84	44.969
275.94	44.93
276.	44.907
276.01	44.903
276.02	44.899
276.05	44.888
276.14	44.856
276.24	44.821
276.34	

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276.44	44.755
276.54	44.723
276.64	44.692
276.74	44.662
276.84	44.631
276.94	44.601
277.	44.584
277.01	44.581
277.02	44.578
277.05	44.569
277.14	44.544
277.24	44.516
277.34	44.489
277.44	44.463
277.54	44.437
277.64	44.412
277.74	44.388
277.84	44.363
277.94	44.34
278.	44.326
278.01	44.323
278.02	44.321
278.05	44.315
278.14	44.297
278.24	44.28
278.34	44.265
278.44	44.252
278.54	44.24
278.64	44.229
278.74	44.219
278.84	44.211
278.94	44.203
279.	44.199
279.01	44.198
279.02	
279.05	44.196
279.14	44.19
279.24	44.185
279.34	44.179
279.44	44.175
279.54	44.171
279.64	44.167
279.74	44.164
279.84	44.162
279.94	44.16
280.	44.159
280.01	44.158
280.02	
280.05	44.159
280.14	44.163
280.24	44.17
280.34	44.181
280.44	44.193
280.54	44.208
280.64	44.225
280.74	44.243
280.84	44.263
280.94	44.285
281.	44.299

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281.02	44.303
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281.24	44.352
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281.44	44.398
281.54	44.422
281.64	44.446
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281.84	44.497
281.94	44.523
282.	44.538
282.01	44.541
282.02	44.544
282.05	44.552
282.14	44.578
282.24	44.608
282.34	44.64
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282.54	44.706
282.64	44.741
282.74	44.777
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283.	44.874
283.01	44.878
283.02	44.881
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283.24	44.959
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283.84	45.157
283.94	45.19
284.	45.209
284.01	45.212
284.02	45.216
284.05	45.226
284.14	45.262
284.24	45.304
284.34	45.35
284.44	45.398
284.54	45.448
284.64	45.5
284.74	45.554
284.84	45.609
284.94	45.667
285.	45.702
285.01	45.707
285.02	45.713
285.05	45.73
285.14	45.776
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285.34	45.873
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285.54	45.963
285.64	

	46.007
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285.84	46.091
285.94	46.132
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286.01	46.161
286.02	46.165
286.05	46.18
286.14	46.231
286.24	46.297
286.34	46.369
286.44	46.447
286.54	46.53
286.64	46.617
286.74	46.708
286.84	46.803
286.94	46.901
287.	46.961
287.01	46.971
287.02	46.98
287.05	47.007
287.14	47.074
287.24	47.137
287.34	47.191
287.44	47.237
287.54	47.277
287.64	47.311
287.74	47.341
287.84	47.366
287.94	47.386
288.	47.397
288.01	47.399
288.02	47.401
288.05	47.407
288.14	47.426
288.24	47.447
288.34	47.468
288.44	47.489
288.54	47.51
288.64	47.529
288.74	47.548
288.84	47.566
288.94	47.584
289.	47.594
289.01	47.596
289.02	47.598
289.05	47.603
289.14	47.615
289.24	47.628
289.34	47.639
289.44	47.648
289.54	47.657
289.64	47.664
289.74	47.67
289.84	47.674
289.94	47.678
290.	
290.01	47.68
290.02	
290.05	47.681

290.14	47.684
290.24	47.686
290.34	47.688
290.44	47.69
290.54	47.691
290.64	47.692
290.74	47.693
290.84	
290.94	
291.	
291.01	
291.02	47.692
291.05	
291.14	47.686
291.24	47.677
291.34	47.665
291.44	47.651
291.54	47.635
291.64	47.618
291.74	47.598
291.84	47.577
291.94	47.555
292.	47.54
292.01	47.538
292.02	47.536
292.05	47.532
292.14	47.528
292.24	47.533
292.34	47.545
292.44	47.563
292.54	47.586
292.64	47.614
292.74	47.646
292.84	47.681
292.94	47.72
293.	47.744
293.01	47.748
293.02	47.752
293.05	47.763
293.14	47.791
293.24	47.817
293.34	47.84
293.44	47.861
293.54	47.88
293.64	47.897
293.74	47.912
293.84	47.927
293.94	47.94
294.	47.948
294.01	47.949
294.02	47.951
294.05	47.958
294.14	47.995
294.24	48.05
294.34	48.115
294.44	48.19
294.54	48.273
294.64	48.364
294.74	48.46
294.84	48.564

294.94	48.672
295.	48.74
295.01	48.752
295.02	48.766
295.05	48.817
295.14	49.04
295.24	49.356
295.34	49.727
295.44	50.147
295.54	50.609
295.64	51.11
295.74	51.647
295.84	52.216
295.94	52.817
296.	53.188
296.01	53.248
296.02	53.306
296.05	53.464
296.14	53.843
296.24	54.174
296.34	54.436
296.44	54.64
296.54	54.797
296.64	54.913
296.74	54.991
296.84	55.037
296.94	55.053
297.	
297.01	55.052
297.02	
297.05	55.05
297.14	55.038
297.24	55.011
297.34	54.972
297.44	54.921
297.54	54.856

	22.25	
297.64	22.248	54.779
297.74	22.246	54.69
297.84	22.245	54.59
297.94	22.243	54.478
298.	22.242	54.406
298.01	22.241	54.396
298.02		54.386
298.05		54.367
298.14	22.239	54.371
298.24	22.237	54.433
298.34	22.235	54.541
298.44	22.233	54.686
298.54	22.231	54.863
298.64	22.23	55.068
298.74	22.228	55.298
298.84	22.226	55.551
298.94	22.224	55.825
299.	22.223	55.997
299.01	22.222	56.025
299.02		56.052
299.05		56.131
299.14	22.22	56.341
299.24	22.218	56.554
299.34	22.216	56.752
299.44	22.214	56.938
299.54	22.212	57.115
299.64	22.21	57.285
299.74	22.208	57.449
299.84	22.206	57.608
299.94	22.204	57.762
300.	22.202	57.853
300.01		57.868
300.02		57.883
300.05	22.201	57.926
300.14	22.2	58.045
300.24	22.197	58.168
300.34	22.195	58.282
300.44	22.193	58.388
300.54	22.191	58.488
300.64	22.189	58.582
300.74	22.186	58.67
300.84	22.184	58.753
300.94	22.182	58.831
301.	22.181	58.876
301.01	22.18	58.883
301.02		58.89
301.05	22.179	58.907
301.14	22.177	58.937
301.24	22.175	58.949
301.34	22.173	58.943
301.44	22.17	58.921
301.54	22.168	58.884
301.64	22.166	58.835
301.74	22.163	58.774
301.84	22.161	58.701
301.94	22.158	58.618
302.	22.157	58.565
302.01		58.558
302.02	22.156	58.552

302.05		58.546
302.14	22.153	58.605
302.24	22.151	58.745
302.34	22.148	58.943
302.44	22.146	59.19
302.54	22.143	59.479
302.64	22.141	59.805
302.74	22.138	60.165
302.84	22.136	60.556
302.94	22.133	60.975
303.	22.132	61.236
303.01	22.131	61.28
303.02		61.324
303.05	22.13	61.457
303.14	22.128	61.87
303.24	22.125	62.345
303.34	22.123	62.838
303.44	22.12	63.348
303.54	22.117	63.875
303.64	22.114	64.417
303.74	22.111	64.975
303.84	22.109	65.549
303.94	22.106	66.136
304.	22.104	66.494
304.01		66.553
304.02	22.103	66.611
304.05	22.102	66.777
304.14	22.1	67.231
304.24	22.097	67.694
304.34	22.094	68.126
304.44	22.091	68.533
304.54	22.088	68.918
304.64	22.084	69.285
304.74	22.081	69.637
304.84	22.078	69.975
304.94	22.075	70.301
305.	22.073	70.492
305.01	22.072	70.523
305.02		70.554
305.05	22.071	70.639
305.14	22.068	70.852
305.24	22.065	71.046
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305.44	22.058	71.335
305.54	22.055	71.437
305.64	22.051	71.515
305.74	22.048	71.571
305.84	22.044	71.607
305.94	22.041	71.623
306.	22.039	71.627
306.01	22.038	
306.02		
306.05	22.037	
306.14	22.034	71.614
306.24	22.03	71.585
306.34	22.026	71.542
306.44	22.023	71.486
306.54	22.019	71.417
306.64	22.015	71.335
306.74	22.012	71.24

306.84	22.008	71.134
306.94	22.004	71.017
307.	22.002	70.942
307.01	22.001	70.929
307.02		70.916
307.05	22.	70.876
307.14	21.997	70.743
307.24	21.993	70.581
307.34	21.989	70.406
307.44	21.985	70.218
307.54	21.981	70.018
307.64	21.977	69.808
307.74	21.973	69.586
307.84	21.969	69.355
307.94	21.965	69.113
308.	21.963	68.964
308.01	21.962	68.94
308.02		68.916
308.05	21.961	68.848
308.14	21.957	68.661
308.24	21.953	68.472
308.34	21.949	68.295
308.44	21.945	68.128
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308.64	21.937	67.816
308.74	21.933	67.669
308.84	21.928	67.525
308.94	21.924	67.386
309.	21.922	67.304
309.01	21.921	67.291
309.02		67.278
309.05	21.919	67.241
309.14	21.916	67.15
309.24	21.911	67.067
309.34	21.907	66.999
309.44	21.903	66.944
309.54	21.898	66.899
309.64	21.894	66.865
309.74	21.89	66.839
309.84	21.885	66.821
309.94	21.881	66.811
310.	21.878	66.808
310.01		66.807
310.02	21.877	66.805
310.05	21.876	66.797
310.14	21.872	66.746
310.24	21.867	66.666
310.34	21.863	66.568
310.44	21.858	66.454
310.54	21.854	66.327
310.64	21.849	66.189
310.74	21.845	66.041
310.84	21.84	65.883
310.94	21.836	65.716
311.	21.833	65.613
311.01	21.832	65.596
311.02		65.579
311.05	21.831	65.533
311.14	21.826	65.41
311.24	21.822	65.29

311.34	21.817	65.182
311.44	21.812	65.083
311.54	21.808	64.992
311.64	21.803	64.908
311.74	21.798	64.83
311.84	21.794	64.758
311.94	21.789	64.69
312.	21.786	64.652
312.01		64.645
312.02	21.785	64.639
312.05	21.784	64.619
312.14	21.78	64.563
312.24	21.775	64.502
312.34	21.77	64.443
312.44	21.766	64.386
312.54	21.761	64.33
312.64	21.756	64.276
312.74	21.752	64.224
312.84	21.747	64.173
312.94	21.742	64.123
313.	21.74	64.093
313.01	21.739	64.089
313.02		64.084
313.05	21.737	64.071
313.14	21.733	64.042
313.24	21.728	64.019
313.34	21.724	64.001
313.44	21.719	63.99
313.54	21.714	63.983
313.64	21.71	63.981
313.74	21.705	63.983
313.84	21.701	63.988
313.94	21.696	63.996
314.	21.693	64.001
314.01		64.003
314.02	21.692	64.004
314.05	21.691	64.008
314.14	21.687	64.028
314.24	21.682	64.056
314.34	21.677	64.091
314.44	21.673	64.13
314.54	21.668	64.174
314.64	21.664	64.222
314.74	21.659	64.274
314.84	21.655	64.33
314.94	21.65	64.389
315.	21.647	64.426
315.01		64.432
315.02	21.646	64.438
315.05	21.645	64.453
315.14	21.641	64.485
315.24	21.636	64.509
315.34	21.632	64.524
315.44	21.628	64.532
315.54	21.623	64.533
315.64	21.619	64.53
315.74	21.614	64.521
315.84	21.61	64.509
315.94	21.605	64.493
316.	21.603	64.482

316.01	21.602	64.48
316.02		64.479
316.05	21.6	
316.14	21.596	64.497
316.24	21.592	64.535
316.34	21.588	64.588
316.44	21.583	64.652
316.54	21.579	64.727
316.64	21.575	64.81
316.74	21.57	64.902
316.84	21.566	65.
316.94	21.562	65.106
317.	21.559	65.172
317.01		65.182
317.02	21.558	65.191
317.05	21.557	65.213
317.14	21.553	65.238
317.24	21.549	65.229
317.34	21.545	65.189
317.44	21.54	65.124
317.54	21.536	65.038
317.64	21.532	64.934
317.74	21.528	64.812
317.84	21.524	64.676
317.94	21.519	64.526
318.	21.517	64.431
318.01		64.415
318.02	21.516	64.399
318.05	21.515	64.353
318.14	21.511	64.215
318.24	21.507	64.063
318.34	21.503	63.908
318.44	21.499	63.751
318.54	21.495	63.59
318.64	21.491	63.427
318.74	21.487	63.26
318.84	21.483	63.089
318.94	21.479	62.915
319.	21.477	62.809
319.01	21.476	62.792
319.02		62.776
319.05	21.475	62.731
319.14	21.471	62.629
319.24	21.467	62.546
319.34	21.463	62.488
319.44	21.459	62.45
319.54	21.456	62.43
319.64	21.452	62.426
319.74	21.448	62.437
319.84	21.444	62.461
319.94	21.44	62.498
320.	21.438	62.525
320.01		62.529
320.02	21.437	62.533
320.05	21.436	62.54
320.14	21.433	62.543
320.24	21.429	62.527
320.34	21.425	62.499
320.44	21.422	62.461
320.54	21.418	62.415

320.64	21.414	62.362
320.74	21.411	62.304
320.84	21.407	62.241
320.94	21.403	62.174
321.	21.401	62.132
321.01		62.125
321.02	21.4	62.118
321.05	21.399	62.094
321.14	21.396	62.015
321.24	21.393	61.918
321.34	21.389	61.813
321.44	21.385	61.701
321.54	21.382	61.583
321.64	21.378	61.46
321.74	21.375	61.332
321.84	21.371	61.199
321.94	21.368	61.063
322.	21.366	60.98
322.01		60.966
322.02	21.365	60.952
322.05	21.364	60.914
322.14	21.361	60.809
322.24	21.358	60.702
322.34	21.354	60.603
322.44	21.351	60.509
322.54	21.348	60.42
322.64	21.345	60.336
322.74	21.341	60.255
322.84	21.338	60.177
322.94	21.335	60.102
323.	21.333	60.058
323.01		60.05
323.02	21.332	60.043
323.05	21.331	60.021
323.14	21.328	59.956
323.24	21.325	59.885
323.34	21.322	59.814
323.44	21.319	59.745
323.54	21.316	59.676
323.64	21.313	59.609
323.74	21.31	59.542
323.84	21.307	59.476
323.94	21.304	59.41
324.	21.302	59.372
324.01		59.365
324.02	21.301	59.358
324.05	21.3	59.338
324.14	21.298	59.279
324.24	21.295	59.212
324.34	21.292	59.142
324.44	21.289	59.071
324.54	21.286	58.999
324.64	21.283	58.925
324.74	21.28	58.85
324.84	21.278	58.774
324.94	21.275	58.697
325.	21.273	58.651
325.01		58.643
325.02		58.636
325.05	21.272	58.614

325.14	21.269	58.552
325.24	21.267	58.488
325.34	21.264	58.426
325.44	21.261	58.367
325.54	21.259	58.31
325.64	21.256	58.255
325.74	21.253	58.202
325.84	21.251	58.149
325.94	21.248	58.098
326.	21.247	58.068
326.01		58.063
326.02	21.246	58.058
326.05		58.043
326.14	21.243	57.997
326.24	21.241	57.946
326.34	21.238	57.895
326.44	21.236	57.844
326.54	21.234	57.794
326.64	21.231	57.744
326.74	21.229	57.694
326.84	21.227	57.645
326.94	21.224	57.596
327.	21.223	57.566
327.01		57.561
327.02	21.222	57.557
327.05		57.542
327.14	21.22	57.499
327.24	21.217	57.453
327.34	21.215	57.407
327.44	21.213	57.361
327.54	21.211	57.316
327.64	21.209	57.272
327.74	21.207	57.228
327.84	21.205	57.185
327.94	21.203	57.142
328.	21.201	57.116
328.01		57.112
328.02		57.107
328.05	21.2	57.095
328.14	21.199	57.059
328.24	21.197	57.02
328.34	21.195	56.982
328.44	21.193	56.945
328.54	21.191	56.909
328.64	21.189	56.874
328.74	21.187	56.839
328.84	21.185	56.806
328.94	21.184	56.773
329.	21.182	56.753
329.01		56.75
329.02		56.747
329.05		56.737
329.14	21.18	56.706
329.24	21.178	56.672
329.34	21.177	56.637
329.44	21.175	56.602
329.54	21.173	56.567
329.64	21.172	56.532
329.74	21.17	56.496
329.84	21.168	56.461

329.94	21.167	56.426
330.	21.166	56.405
330.01		56.402
330.02		56.399
330.05	21.165	56.388
330.14	21.164	56.36
330.24	21.162	56.329
330.34	21.161	56.299
330.44	21.159	56.27
330.54	21.158	56.242
330.64	21.157	56.215
330.74	21.155	56.188
330.84	21.154	56.162
330.94	21.153	56.137
331.	21.152	56.122
331.01		56.119
331.02		56.117
331.05	21.151	56.109
331.14	21.15	56.084
331.24	21.149	56.056
331.34	21.148	56.027
331.44	21.146	55.997
331.54	21.145	55.967
331.64	21.144	55.937
331.74	21.143	55.906
331.84	21.142	55.876
331.94	21.141	55.845
332.	21.14	55.826
332.01		55.823
332.02		55.82
332.05		55.811
332.14	21.139	55.786
332.24	21.138	55.758
332.34	21.137	55.732
332.44	21.136	55.706
332.54	21.135	55.681
332.64	21.134	55.657
332.74	21.133	55.633
332.84	21.132	55.61
332.94	21.131	55.587
333.		55.573
333.01		55.571
333.02	21.13	55.569
333.05		55.561
333.14	21.129	55.536
333.24		55.507
333.34	21.128	55.475
333.44	21.127	55.443
333.54	21.126	55.409
333.64		55.374
333.74	21.125	55.339
333.84	21.124	55.303
333.94		55.266
334.	21.123	55.244
334.01		55.24
334.02		55.237
334.05		55.226
334.14	21.122	55.193
334.24		55.157
334.34	21.121	55.121

334.44		55.085
334.54	21.12	55.06
334.64		55.065
334.74	21.119	55.069
334.84		55.073
334.94	21.118	55.077
335.		55.08
335.01		
335.02		55.081
335.05		55.082
335.14	21.117	55.087
335.24		55.092
335.34	21.116	55.098
335.44		55.104
335.54		55.11
335.64	21.115	55.117
335.74		55.123
335.84		55.13
335.94		55.137
336.	21.114	55.141
336.01		
336.02		55.142
336.05		55.144
336.14		55.15
336.24		55.158
336.34		55.165
336.44	21.113	55.172
336.54		55.179
336.64		55.187
336.74		55.194
336.84		55.202
336.94		55.209
337.		55.214
337.01		
337.02		55.215
337.05		55.217
337.14		55.224
337.24		55.23
337.34		55.237
337.44		55.244
337.54		55.25
337.64		55.256
337.74		55.263
337.84		55.269
337.94		55.275
338.		55.279
338.01		55.28
338.02		
338.05		55.282
338.14		55.288
338.24		55.294
338.34		55.3
338.44		55.305
338.54		55.311
338.64	21.114	55.317
338.74		55.323
338.84		55.328
338.94		55.334
339.		55.337
339.01		55.338

339.02		
339.05	21.115	55.34
339.14		55.345
339.24		55.351
339.34		55.356
339.44	21.116	55.362
339.54		55.368
339.64		55.373
339.74	21.117	55.379
339.84		55.384
339.94		55.39
340.	21.118	55.393
340.01		55.394
340.02		
340.05		55.396
340.14		55.4
340.24	21.119	55.405
340.34		55.41
340.44		55.415
340.54	21.12	55.419
340.64		55.424
340.74	21.121	55.428
340.84		55.433
340.94	21.122	55.437
341.		55.439
341.01		55.44
341.02		
341.05		55.442
341.14	21.123	55.446
341.24		55.45
341.34	21.124	55.455
341.44	21.125	55.459
341.54		55.464
341.64	21.126	55.468
341.74		55.473
341.84	21.127	55.477
341.94	21.128	55.482
342.		55.485
342.01		
342.02		55.486
342.05		55.487
342.14	21.129	55.491
342.24	21.13	55.496
342.34		55.501
342.44	21.131	55.506
342.54	21.132	55.511
342.64	21.133	55.517
342.74		55.522
342.84	21.134	55.527
342.94	21.135	55.532
343.		55.535
343.01		55.536
343.02		
343.05	21.136	55.538
343.14		55.543
343.24	21.137	55.548
343.34	21.138	55.553
343.44	21.139	55.558
343.54	21.14	55.563
343.64	21.141	55.568

343.74		55.574
343.84	21.142	55.579
343.94	21.143	55.584
344.	21.144	55.587
344.01		
344.02		55.588
344.05		55.59
344.14	21.145	55.594
344.24	21.146	55.6
344.34	21.147	55.605
344.44	21.148	55.61
344.54	21.149	55.616
344.64	21.15	55.621
344.74	21.151	55.627
344.84	21.152	55.632
344.94	21.153	55.638
345.		55.641
345.01		55.642
345.02		
345.05	21.154	55.644
345.14	21.155	55.649
345.24	21.156	55.654
345.34	21.157	55.659
345.44	21.158	55.665
345.54	21.159	55.67
345.64	21.16	55.675
345.74	21.161	55.68
345.84	21.162	55.685
345.94	21.163	55.691
346.	21.164	55.694
346.01		
346.02		55.695
346.05		55.696
346.14	21.165	55.701
346.24	21.167	55.706
346.34	21.168	55.712
346.44	21.169	55.718
346.54	21.17	55.723
346.64	21.171	55.729
346.74	21.172	55.734
346.84	21.174	55.74
346.94	21.175	55.746
347.	21.176	55.749
347.01		55.75
347.02		
347.05		55.752
347.14	21.177	55.758
347.24	21.179	55.765
347.34	21.18	55.772
347.44	21.181	55.779
347.54	21.182	55.786
347.64	21.184	55.794
347.74	21.185	55.802
347.84	21.186	55.81
347.94	21.187	55.817
348.	21.188	55.822
348.01		55.823
348.02		55.824
348.05	21.189	55.826
348.14	21.19	55.832

348.24	21.191	55.838
348.34	21.193	55.843
348.44	21.194	55.848
348.54	21.195	55.853
348.64	21.197	55.858
348.74	21.198	55.862
348.84	21.199	55.867
348.94	21.201	55.871
349.	21.202	55.873
349.01		55.874
349.02		
349.05		55.876
349.14	21.204	55.88
349.24	21.205	55.886
349.34	21.206	55.891
349.44	21.208	55.897
349.54	21.209	55.903
349.64	21.211	55.91
349.74	21.212	55.916
349.84	21.214	55.922
349.94	21.215	55.929
350.	21.216	55.933
350.01		55.934
350.02		
350.05	21.217	55.936
350.14	21.218	55.942
350.24	21.219	55.948
350.34	21.221	55.954
350.44	21.222	55.96
350.54	21.224	55.966
350.64	21.225	55.972
350.74	21.227	55.978
350.84	21.229	55.984
350.94	21.23	55.99
351.	21.231	55.993
351.01		55.994
351.02		
351.05	21.232	55.996
351.14	21.233	56.002
351.24	21.235	56.008
351.34	21.236	56.013
351.44	21.238	56.019
351.54	21.239	56.025
351.64	21.241	56.031
351.74	21.243	56.037
351.84	21.244	56.043
351.94	21.246	56.049
352.	21.247	56.053
352.01		
352.02		56.054
352.05	21.248	56.055
352.14	21.249	56.06
352.24	21.251	56.064
352.34	21.252	56.069
352.44	21.254	56.073
352.54	21.256	56.077
352.64	21.257	56.08
352.74	21.259	56.084
352.84	21.26	56.087
352.94	21.262	56.09

353.	21.263	56.092
353.01		
353.02		56.093
353.05	21.264	56.094
353.14	21.265	56.098
353.24	21.267	56.102
353.34	21.269	56.107
353.44	21.271	56.113
353.54	21.272	56.118
353.64	21.274	56.123
353.74	21.276	56.129
353.84	21.277	56.135
353.94	21.279	56.14
354.	21.28	56.144
354.01		
354.02		56.145
354.05	21.281	56.147
354.14	21.283	56.152
354.24	21.284	56.158
354.34	21.286	56.164
354.44	21.288	56.171
354.54	21.29	56.177
354.64	21.291	56.183
354.74	21.293	56.19
354.84	21.295	56.196
354.94	21.297	56.203
355.	21.298	56.207
355.01		
355.02		56.208
355.05	21.299	56.21
355.14	21.3	56.216
355.24	21.302	56.222
355.34	21.304	56.228
355.44	21.306	56.235
355.54	21.307	56.241
355.64	21.309	56.247
355.74	21.311	56.254
355.84	21.313	56.26
355.94	21.315	56.266
356.	21.316	56.27
356.01		56.271
356.02		
356.05	21.317	56.273
356.14	21.318	56.279
356.24	21.32	56.285
356.34	21.322	56.29
356.44	21.324	56.296
356.54	21.326	56.302
356.64	21.327	56.307
356.74	21.329	56.313
356.84	21.331	56.318
356.94	21.333	56.324
357.	21.334	56.327
357.01		56.328
357.02	21.335	
357.05		56.33
357.14	21.337	56.335
357.24	21.339	56.341
357.34	21.341	56.346
357.44	21.342	56.352

357.54	21.344	56.358
357.64	21.346	56.364
357.74	21.348	56.37
357.84	21.35	56.376
357.94	21.352	56.382
358.	21.353	56.385
358.01		56.386
358.02	21.354	
358.05		56.388
358.14	21.356	56.393
358.24	21.358	56.399
358.34	21.36	56.405
358.44	21.362	56.411
358.54	21.364	56.416
358.64	21.365	56.422
358.74	21.367	56.428
358.84	21.369	56.434
358.94	21.371	56.439
359.	21.372	56.443
359.01	21.373	56.444
359.02		
359.05		56.446
359.14	21.375	56.451
359.24	21.377	56.457
359.34	21.379	56.463
359.44	21.381	56.468
359.54	21.383	56.474
359.64	21.385	56.48
359.74	21.387	56.486
359.84	21.389	56.492
359.94	21.391	56.498
360.	21.392	56.501
360.01		56.502
360.02	21.393	
360.05		56.504
360.14	21.395	56.51
360.24	21.397	56.516
360.34	21.399	56.522
360.44	21.401	56.529
360.54	21.403	56.535
360.64	21.405	56.542
360.74	21.407	56.549
360.84	21.409	56.555
360.94	21.411	56.562
361.	21.412	56.566
361.01		56.567
361.02	21.413	56.568
361.05		56.57
361.14	21.415	56.576
361.24	21.417	56.583
361.34	21.419	56.589
361.44	21.421	56.596
361.54	21.423	56.603
361.64	21.425	56.61
361.74	21.427	56.617
361.84	21.429	56.624
361.94	21.431	56.631
362.	21.432	56.635
362.01	21.433	56.636
362.02		56.637

362.05		56.639
362.14	21.435	56.645
362.24	21.437	56.651
362.34	21.439	56.658
362.44	21.441	56.664
362.54	21.443	56.67
362.64	21.446	56.676
362.74	21.448	56.682
362.84	21.45	56.688
362.94	21.452	56.694
363.	21.453	56.698
363.01		
363.02		56.699
363.05	21.454	56.701
363.14	21.456	56.706
363.24	21.458	56.712
363.34	21.46	56.718
363.44	21.462	56.723
363.54	21.464	56.729
363.64	21.466	56.735
363.74	21.468	56.741
363.84	21.47	56.747
363.94	21.472	56.752
364.	21.474	56.756
364.01		
364.02		56.757
364.05	21.475	56.759
364.14	21.477	56.764
364.24	21.479	56.77
364.34	21.481	56.776
364.44	21.483	56.782
364.54	21.485	56.788
364.64	21.487	56.794
364.74	21.489	56.8
364.84	21.491	56.806
364.94	21.493	56.812
365.	21.495	56.816
365.01		
365.02		56.817
365.05	21.496	56.819
365.14	21.498	56.824
365.24	21.5	56.83
365.34	21.502	56.836
365.44	21.504	56.842
365.54	21.506	56.848
365.64	21.508	56.854
365.74	21.51	56.86
365.84	21.512	56.866
365.94	21.514	56.872
366.	21.516	56.876
366.01		
366.02		56.877
366.05	21.517	56.879
366.14	21.519	56.884
366.24	21.521	56.89
366.34	21.523	56.896
366.44	21.525	56.902
366.54	21.527	56.908
366.64	21.529	56.914
366.74	21.531	56.92

366.84	21.534	56.926
366.94	21.536	56.932
367.	21.537	56.935
367.01		56.936
367.02		56.937
367.05	21.538	56.938
367.14	21.54	56.944
367.24	21.542	56.951
367.34	21.544	56.957
367.44	21.546	56.964
367.54	21.549	56.97
367.64	21.551	56.977
367.74	21.553	56.984
367.84	21.555	56.991
367.94	21.557	56.998
368.	21.558	57.002
368.01	21.559	57.003
368.02		57.004
368.05		57.006
368.14	21.561	57.011
368.24	21.564	57.018
368.34	21.566	57.024
368.44	21.568	57.031
368.54	21.57	57.037
368.64	21.572	57.043
368.74	21.574	57.05
368.84	21.576	57.056
368.94	21.579	57.062
369.	21.58	57.066
369.01		
369.02		57.067
369.05	21.581	57.069
369.14	21.583	57.074
369.24	21.585	57.081
369.34	21.587	57.087
369.44	21.589	57.093
369.54	21.591	57.1
369.64	21.594	57.106
369.74	21.596	57.112
369.84	21.598	57.119
369.94	21.6	57.125
370.	21.601	57.129
370.01	21.602	
370.02		57.13
370.05		57.132
370.14	21.604	57.138
370.24	21.607	57.144
370.34	21.609	57.15
370.44	21.611	57.157
370.54	21.613	57.163
370.64	21.615	57.17
370.74	21.617	57.176
370.84	21.62	57.183
370.94	21.622	57.189
371.	21.623	57.193
371.01		57.194
371.02		
371.05	21.624	57.196
371.14	21.626	57.202
371.24	21.628	57.208

371.34	21.63	57.215
371.44	21.633	57.221
371.54	21.635	57.227
371.64	21.637	57.234
371.74	21.639	57.24
371.84	21.641	57.246
371.94	21.643	57.252
372.	21.645	57.256
372.01		57.257
372.02		
372.05	21.646	57.259
372.14	21.648	57.265
372.24	21.65	57.271
372.34	21.652	57.277
372.44	21.654	57.283
372.54	21.656	57.29
372.64	21.659	57.296
372.74	21.661	57.302
372.84	21.663	57.308
372.94	21.665	57.314
373.	21.666	57.318
373.01	21.667	
373.02		57.319
373.05		57.321
373.14	21.669	57.326
373.24	21.672	57.332
373.34	21.674	57.338
373.44	21.676	57.343
373.54	21.678	57.349
373.64	21.68	57.355
373.74	21.682	57.36
373.84	21.685	57.366
373.94	21.687	57.371
374.	21.688	57.375
374.01		
374.02	21.689	57.376
374.05		57.378
374.14	21.691	57.383
374.24	21.693	57.389
374.34	21.696	57.395
374.44	21.698	57.401
374.54	21.7	57.407
374.64	21.702	57.413
374.74	21.704	57.42
374.84	21.706	57.426
374.94	21.709	57.432
375.	21.71	57.436
375.01		57.437
375.02		
375.05	21.711	57.439
375.14	21.713	57.445
375.24	21.715	57.451
375.34	21.717	57.457
375.44	21.719	57.463
375.54	21.722	57.47
375.64	21.724	57.476
375.74	21.726	57.482
375.84	21.728	57.488
375.94	21.73	57.494
376.		57.498

376.01	21.732	57.499
376.02		
376.05	21.733	57.501
376.14	21.735	57.507
376.24	21.737	57.513
376.34	21.739	57.519
376.44	21.741	57.525
376.54	21.743	57.531
376.64	21.746	57.537
376.74	21.748	57.543
376.84	21.75	57.549
376.94	21.752	57.555
377.	21.753	57.559
377.01	21.754	
377.02		57.56
377.05	21.755	57.562
377.14	21.756	57.567
377.24	21.759	57.573
377.34	21.761	57.579
377.44	21.763	57.584
377.54	21.765	57.59
377.64	21.767	57.596
377.74	21.77	57.602
377.84	21.772	57.608
377.94	21.774	57.613
378.	21.775	57.617
378.01		57.618
378.02	21.776	
378.05		57.62
378.14	21.778	57.625
378.24	21.78	57.631
378.34	21.783	57.637
378.44	21.785	57.644
378.54	21.787	57.65
378.64	21.789	57.656
378.74	21.791	57.662
378.84	21.793	57.668
378.94	21.796	57.675
379.	21.797	57.678
379.01		57.679
379.02		57.68
379.05	21.798	57.682
379.14	21.8	57.687
379.24	21.802	57.693
379.34	21.804	57.699
379.44	21.807	57.706
379.54	21.809	57.712
379.64	21.811	57.718
379.74	21.813	57.724
379.84	21.815	57.73
379.94	21.817	57.736
380.	21.819	57.74
380.01		
380.02		57.741
380.05	21.82	57.743
380.14	21.822	57.748
380.24	21.824	57.754
380.34	21.826	57.76
380.44	21.828	57.766
380.54	21.83	57.772

380.64	21.833	57.778
380.74	21.835	57.784
380.84	21.837	57.79
380.94	21.839	57.796
381.	21.84	57.8
381.01	21.841	
381.02		57.801
381.05	21.842	57.803
381.14	21.843	57.808
381.24	21.846	57.814
381.34	21.848	57.82
381.44	21.85	57.826
381.54	21.852	57.832
381.64	21.854	57.838
381.74	21.857	57.845
381.84	21.859	57.851
381.94	21.861	57.857
382.	21.862	57.861
382.01		
382.02	21.863	57.862
382.05		57.864
382.14	21.865	57.869
382.24	21.867	57.875
382.34	21.87	57.882
382.44	21.872	57.888
382.54	21.874	57.894
382.64	21.876	57.9
382.74	21.878	57.906
382.84	21.88	57.912
382.94	21.883	57.919
383.	21.884	57.922
383.01		57.923
383.02		57.924
383.05	21.885	57.926
383.14	21.887	57.931
383.24	21.889	57.937
383.34	21.891	57.943
383.44	21.893	57.95
383.54	21.896	57.956
383.64	21.898	57.962
383.74	21.9	57.968
383.84	21.902	57.974
383.94	21.904	57.98
384.	21.906	57.984
384.01		57.985
384.02		
384.05	21.907	57.987
384.14	21.909	57.993
384.24	21.911	57.999
384.34	21.913	58.005
384.44	21.915	58.011
384.54	21.917	58.017
384.64	21.919	58.024
384.74	21.922	58.03
384.84	21.924	58.036
384.94	21.926	58.042
385.	21.927	58.046
385.01		
385.02	21.928	58.047
385.05		58.049

385.14	21.93	58.054
385.24	21.932	58.061
385.34	21.934	58.067
385.44	21.937	58.073
385.54	21.939	58.08
385.64	21.941	58.086
385.74	21.943	58.092
385.84	21.945	58.099
385.94	21.947	58.105
386.	21.949	58.109
386.01		58.11
386.02		
386.05	21.95	58.112
386.14	21.952	58.118
386.24	21.954	58.124
386.34	21.956	58.13
386.44	21.958	58.137
386.54	21.96	58.143
386.64	21.962	58.149
386.74	21.965	58.155
386.84	21.967	58.162
386.94	21.969	58.168
387.	21.97	58.172
387.01		
387.02	21.971	58.173
387.05		58.175
387.14	21.973	58.18
387.24	21.975	58.186
387.34	21.978	58.192
387.44	21.98	58.198
387.54	21.982	58.205
387.64	21.984	58.211
387.74	21.986	58.217
387.84	21.988	58.223
387.94	21.99	58.229
388.	21.992	58.232
388.01		58.233
388.02		
388.05	21.993	58.235
388.14	21.995	58.241
388.24	21.997	58.247
388.34	21.999	58.253
388.44	22.001	58.259
388.54	22.003	58.265
388.64	22.005	58.271
388.74	22.008	58.277
388.84	22.01	58.284
388.94	22.012	58.29
389.	22.013	58.293
389.01		58.294
389.02	22.014	58.295
389.05		58.296
389.14	22.016	58.302
389.24	22.018	58.308
389.34	22.02	58.314
389.44	22.023	58.32
389.54	22.025	58.326
389.64	22.027	58.332
389.74	22.029	58.337
389.84	22.031	58.343

389.94	22.033	58.349
390.	22.035	58.353
390.01		
390.02		58.354
390.05	22.036	58.356
390.14	22.037	58.361
390.24	22.04	58.366
390.34	22.042	58.372
390.44	22.044	58.378
390.54	22.046	58.383
390.64	22.048	58.389
390.74	22.05	58.394
390.84	22.052	58.4
390.94	22.055	58.405
391.	22.056	58.408
391.01		58.409
391.02		58.41
391.05	22.057	58.411
391.14	22.059	58.416
391.24	22.061	58.422
391.34	22.063	58.428
391.44	22.065	58.434
391.54	22.067	58.439
391.64	22.069	58.445
391.74	22.072	58.451
391.84	22.074	58.457
391.94	22.076	58.463
392.	22.077	58.466
392.01		58.467
392.02		58.468
392.05	22.078	58.469
392.14	22.08	58.475
392.24	22.082	58.481
392.34	22.084	58.487
392.44	22.086	58.493
392.54	22.088	58.498
392.64	22.091	58.504
392.74	22.093	58.51
392.84	22.095	58.516
392.94	22.097	58.522
393.	22.098	58.526
393.01		58.527
393.02	22.099	
393.05		58.529
393.14	22.101	58.534
393.24	22.103	58.54
393.34	22.105	58.546
393.44	22.108	58.552
393.54	22.11	58.558
393.64	22.112	58.564
393.74	22.114	58.57
393.84	22.116	58.576
393.94	22.118	58.582
394.	22.119	58.586
394.01	22.12	
394.02		58.587
394.05		58.589
394.14	22.122	58.594
394.24	22.124	58.6
394.34	22.126	58.606

394.44	22.129	58.612
394.54	22.131	58.618
394.64	22.133	58.624
394.74	22.135	58.63
394.84	22.137	58.636
394.94	22.139	58.642
395.	22.14	58.645
395.01	22.141	58.646
395.02		
395.05		58.648
395.14	22.143	58.654
395.24	22.145	58.66
395.34	22.147	58.666
395.44	22.15	58.672
395.54	22.152	58.678
395.64	22.154	58.684
395.74	22.156	58.69
395.84	22.158	58.697
395.94	22.16	58.703
396.	22.161	58.707
396.01	22.162	
396.02		58.708
396.05		58.71
396.14	22.164	58.715
396.24	22.166	58.722
396.34	22.168	58.728
396.44	22.171	58.735
396.54	22.173	58.741
396.64	22.175	58.748
396.74	22.177	58.754
396.84	22.179	58.761
396.94	22.181	58.768
397.	22.182	58.772
397.01		
397.02	22.183	58.773
397.05		58.775
397.14	22.185	58.781
397.24	22.187	58.787
397.34	22.189	58.793
397.44	22.191	58.8
397.54	22.193	58.806
397.64	22.196	58.812
397.74	22.198	58.819
397.84	22.2	58.825
397.94	22.202	58.831
398.	22.203	58.835
398.01		
398.02		58.836
398.05	22.204	58.838
398.14	22.206	58.843
398.24	22.208	58.849
398.34	22.21	58.856
398.44	22.212	58.862
398.54	22.214	58.868
398.64	22.216	58.873
398.74	22.218	58.879
398.84	22.22	58.885
398.94	22.222	58.891
399.	22.224	58.895
399.01		

399.02		58.896
399.05	22.225	58.898
399.14	22.227	58.903
399.24	22.229	58.909
399.34	22.231	58.915
399.44	22.233	58.921
399.54	22.235	58.927
399.64	22.237	58.933
399.74	22.239	58.939
399.84	22.241	58.945
399.94	22.243	58.951
400.	22.244	58.954
400.01	22.245	58.955
400.02		
400.05		58.957
400.14	22.247	58.962
400.24	22.249	58.968
400.34		58.974
400.44		58.98
400.54		58.986
400.64		58.992
400.74		58.998
400.84		59.004
400.94		59.01
401.		59.014
401.01		
401.02		59.015
401.05		59.017
401.14		59.022
401.24		59.028
401.34		59.034
401.44		59.041
401.54		59.047
401.64		59.053
401.74		59.059
401.84		59.065
401.94		59.071
402.		59.075
402.01		
402.02		59.076
402.05		59.078
402.14		59.083
402.24		59.09
402.34		59.096
402.44		59.102
402.54		59.108
402.64		59.114
402.74		59.12
402.84		59.126
402.94		59.132
403.		59.136
403.01		59.137
403.02		
403.05		59.139
403.14		59.145
403.24		59.151
403.34		59.157
403.44		59.163
403.54		59.169
403.64		59.175

403.74	59.181
403.84	59.187
403.94	59.193
404.	59.196
404.01	59.197
404.02	59.198
404.05	59.199
404.14	59.205
404.24	59.211
404.34	59.217
404.44	59.223
404.54	59.229
404.64	59.236
404.74	59.242
404.84	59.248
404.94	59.254
405.	59.258
405.01	
405.02	59.259
405.05	59.261
405.14	59.266
405.24	59.273
405.34	59.279
405.44	59.285
405.54	59.291
405.64	59.298
405.74	59.304
405.84	59.31
405.94	59.316
406.	59.32
406.01	59.321
406.02	
406.05	59.323
406.14	59.329
406.24	59.335
406.34	59.342
406.44	59.348
406.54	59.354
406.64	59.36
406.74	59.367
406.84	59.373
406.94	59.38
407.	59.383
407.01	59.384
407.02	59.385
407.05	59.386
407.14	59.392
407.24	59.398
407.34	59.404
407.44	59.411
407.54	59.417
407.64	59.423
407.74	59.429
407.84	59.435
407.94	59.441
408.	59.445
408.01	
408.02	
408.05	
408.14	59.44

408.24	59.432
408.34	59.42
408.44	59.406
408.54	59.389
408.64	59.371
408.74	59.351
408.84	59.33
408.94	59.314
409.	59.306
409.01	59.305
409.02	59.303
409.05	59.3
409.14	59.289
409.24	59.279
409.34	59.272
409.44	59.266
409.54	59.261
409.64	59.256
409.74	59.252
409.84	59.247
409.94	59.243
410.	59.24
410.01	
410.02	59.239
410.05	59.238
410.14	59.234
410.24	59.229
410.34	59.224
410.44	59.219
410.54	59.215
410.64	59.21
410.74	59.205
410.84	59.2
410.94	59.196
411.	59.193
411.01	59.192
411.02	
411.05	59.19
411.14	59.186
411.24	59.181
411.34	59.177
411.44	59.172
411.54	59.167
411.64	59.163
411.74	59.158
411.84	59.153
411.94	59.149
412.	59.146
412.01	59.145
412.02	
412.05	59.143
412.14	59.139
412.24	59.135
412.34	59.13
412.44	59.125
412.54	59.121
412.64	59.116
412.74	59.111
412.84	59.107
412.94	59.102

413.	59.1
413.01	59.099
413.02	
413.05	59.097
413.14	59.093
413.24	59.089
413.34	59.084
413.44	59.079
413.54	59.075
413.64	59.07
413.74	59.066
413.84	59.061
413.94	59.057
414.	59.054
414.01	
414.02	59.053
414.05	59.052
414.14	59.048
414.24	59.043
414.34	59.039
414.44	59.035
414.54	59.03
414.64	59.026
414.74	59.021
414.84	59.017
414.94	59.013
415.	59.01
415.01	
415.02	59.009
415.05	59.008
415.14	59.004
415.24	59.
415.34	58.996
415.44	58.991
415.54	58.987
415.64	58.983
415.74	58.979
415.84	58.975
415.94	58.97
416.	58.968
416.01	58.967
416.02	
416.05	58.966
416.14	58.962
416.24	58.958
416.34	58.954
416.44	58.95
416.54	58.946
416.64	58.941
416.74	58.937
416.84	58.933
416.94	58.929
417.	58.927
417.01	58.926
417.02	
417.05	58.925
417.14	58.921
417.24	58.917
417.34	58.913
417.44	58.909

417.54	58.905
417.64	58.901
417.74	58.897
417.84	58.893
417.94	58.889
418.	58.887
418.01	58.886
418.02	
418.05	58.885
418.14	58.881
418.24	58.877
418.34	58.873
418.44	58.869
418.54	58.865
418.64	58.862
418.74	58.858
418.84	58.854
418.94	58.85
419.	58.847
419.01	
419.02	
419.05	58.846
419.14	58.842
419.24	58.838
419.34	58.834
419.44	58.83
419.54	58.826
419.64	58.822
419.74	58.818
419.84	58.815
419.94	58.811
420.	58.808
420.01	
420.02	
420.05	58.806
420.14	58.803
420.24	58.799
420.34	58.795
420.44	58.791
420.54	58.787
420.64	58.783
420.74	58.779
420.84	58.776
420.94	58.772
421.	58.769
421.01	
421.02	
421.05	58.767
421.14	58.764
421.24	58.76
421.34	58.756
421.44	58.752
421.54	58.749
421.64	58.745
421.74	58.741
421.84	58.737
421.94	58.733
422.	58.731
422.01	58.73
422.02	

422.05	58.729
422.14	58.725
422.24	58.722
422.34	58.718
422.44	58.714
422.54	58.71
422.64	58.706
422.74	58.703
422.84	58.699
422.94	58.695
423.	58.693
423.01	58.692
423.02	
423.05	58.691
423.14	58.688
423.24	58.684
423.34	58.68
423.44	58.676
423.54	58.672
423.64	58.669
423.74	58.665
423.84	58.661
423.94	58.657
424.	58.655
424.01	
424.02	58.654
424.05	58.653
424.14	58.65
424.24	58.646
424.34	58.643
424.44	58.639
424.54	58.635
424.64	58.631
424.74	58.628
424.84	58.624
424.94	58.62
425.	58.618
425.01	
425.02	58.617
425.05	58.616
425.14	58.613
425.24	58.609
425.34	58.606
425.44	58.602
425.54	58.598
425.64	58.595
425.74	58.591
425.84	58.587
425.94	58.584
426.	58.582
426.01	58.581
426.02	
426.05	58.58
426.14	58.576
426.24	58.573
426.34	58.569
426.44	58.565
426.54	58.562
426.64	58.558
426.74	58.554

426.84	58.551
426.94	58.547
427.	58.545
427.01	58.544
427.02	
427.05	58.543
427.14	58.539
427.24	58.536
427.34	58.532
427.44	58.528
427.54	58.524
427.64	58.521
427.74	58.517
427.84	58.513
427.94	58.509
428.	58.507
428.01	
428.02	58.506
428.05	58.505
428.14	58.502
428.24	58.498
428.34	58.494
428.44	58.491
428.54	58.487
428.64	58.483
428.74	58.48
428.84	58.476
428.94	58.472
429.	58.47
429.01	
429.02	58.469
429.05	58.468
429.14	58.465
429.24	58.461
429.34	58.457
429.44	58.454
429.54	58.45
429.64	58.446
429.74	58.443
429.84	58.439
429.94	58.435
430.	58.433
430.01	
430.02	58.432
430.05	58.431
430.14	58.428
430.24	58.424
430.34	58.421
430.44	58.417
430.54	58.413
430.64	58.41
430.74	58.406
430.84	58.402
430.94	58.398
431.	58.396
431.01	
431.02	
431.05	58.394
431.14	58.391
431.24	58.387

431.34	58.384
431.44	58.38
431.54	58.376
431.64	58.372
431.74	58.369
431.84	58.365
431.94	58.361
432.	58.359
432.01	
432.02	58.358
432.05	58.357
432.14	58.354
432.24	58.35
432.34	58.346
432.44	58.343
432.54	58.339
432.64	58.335
432.74	58.331
432.84	58.328
432.94	58.324
433.	58.322
433.01	58.321
433.02	
433.05	58.32
433.14	58.317
433.24	58.313
433.34	58.309
433.44	58.306
433.54	58.302
433.64	58.298
433.74	58.295
433.84	58.291
433.94	58.287
434.	58.285
434.01	
434.02	58.284
434.05	58.283
434.14	58.28
434.24	58.276
434.34	58.273
434.44	58.269
434.54	58.266
434.64	58.262
434.74	58.259
434.84	58.255
434.94	58.252
435.	58.249
435.01	
435.02	
435.05	58.248
435.14	58.244
435.24	58.241
435.34	58.237
435.44	58.234
435.54	58.231
435.64	58.227
435.74	58.224
435.84	58.22
435.94	58.217
436.	58.215

436.01	58.214
436.02	
436.05	58.213
436.14	58.21
436.24	58.206
436.34	58.203
436.44	58.199
436.54	58.196
436.64	58.192
436.74	58.189
436.84	58.186
436.94	58.182
437.	58.18
437.01	
437.02	58.179
437.05	58.178
437.14	58.175
437.24	58.172
437.34	58.168
437.44	58.165
437.54	58.161
437.64	58.158
437.74	58.155
437.84	58.151
437.94	58.148
438.	58.145
438.01	
438.02	
438.05	58.144
438.14	58.141
438.24	58.137
438.34	58.134
438.44	58.13
438.54	58.126
438.64	58.123
438.74	58.119
438.84	58.116
438.94	58.112
439.	58.11
439.01	
439.02	
439.05	58.109
439.14	58.105
439.24	58.102
439.34	58.098
439.44	58.095
439.54	58.091
439.64	58.088
439.74	58.084
439.84	58.081
439.94	58.077
440.	58.075
440.01	
440.02	58.074
440.05	58.073
440.14	58.07
440.24	58.067
440.34	58.063
440.44	58.06
440.54	58.056

440.64	58.053
440.74	58.049
440.84	58.046
440.94	58.042
441.	58.04
441.01	
441.02	58.039
441.05	58.038
441.14	58.035
441.24	58.031
441.34	58.028
441.44	58.024
441.54	58.02
441.64	58.017
441.74	58.013
441.84	58.009
441.94	58.006
442.	58.003
442.01	
442.02	
442.05	58.002
442.14	57.998
442.24	57.994
442.34	57.991
442.44	57.987
442.54	57.983
442.64	57.979
442.74	57.975
442.84	57.972
442.94	57.968
443.	57.965
443.01	
443.02	
443.05	57.964
443.14	57.96
443.24	57.956
443.34	57.952
443.44	57.948
443.54	57.945
443.64	57.941
443.74	57.937
443.84	57.933
443.94	57.929
444.	57.927
444.01	
444.02	57.926
444.05	57.925
444.14	57.922
444.24	57.918
444.34	57.914
444.44	57.91
444.54	57.906
444.64	57.903
444.74	57.899
444.84	57.895
444.94	57.891
445.	57.889
445.01	
445.02	57.888
445.05	57.887

445.14	57.884
445.24	57.88
445.34	57.876
445.44	57.873
445.54	57.869
445.64	57.865
445.74	57.861
445.84	57.858
445.94	57.854
446.	57.852
446.01	57.851
446.02	
446.05	57.85
446.14	57.847
446.24	57.843
446.34	57.839
446.44	57.835
446.54	57.832
446.64	57.828
446.74	57.824
446.84	57.821
446.94	57.817
447.	57.815
447.01	57.814
447.02	
447.05	57.813
447.14	57.81
447.24	57.806
447.34	57.802
447.44	57.799
447.54	57.795
447.64	57.791
447.74	57.788
447.84	57.784
447.94	57.781
448.	57.779
448.01	57.778
448.02	
448.05	57.777
448.14	57.774
448.24	57.77
448.34	57.766
448.44	57.763
448.54	57.759
448.64	57.756
448.74	57.752
448.84	57.749
448.94	57.745
449.	57.743
449.01	
449.02	
449.05	57.742
449.14	57.739
449.24	57.735
449.34	57.732
449.44	57.728
449.54	57.725
449.64	57.721
449.74	57.718
449.84	57.714

449.94	57.711
450.	57.709
450.01	
450.02	57.708
450.05	57.707
450.14	57.704
450.24	57.701
450.34	57.697
450.44	57.694
450.54	57.69
450.64	57.687
450.74	57.684
450.84	57.68
450.94	57.677
451.	57.675
451.01	57.674
451.02	
451.05	57.673
451.14	57.67
451.24	57.666
451.34	57.663
451.44	57.659
451.54	57.656
451.64	57.652
451.74	57.649
451.84	57.645
451.94	57.642
452.	57.64
452.01	57.639
452.02	
452.05	57.638
452.14	57.635
452.24	57.632
452.34	57.628
452.44	57.625
452.54	57.621
452.64	57.618
452.74	57.614
452.84	57.611
452.94	57.607
453.	57.605
453.01	
453.02	
453.05	57.604
453.14	57.601
453.24	57.597
453.34	57.594
453.44	57.59
453.54	57.587
453.64	57.584
453.74	57.58
453.84	57.577
453.94	57.573
454.	57.571
454.01	
454.02	
454.05	57.57
454.14	57.567
454.24	57.563
454.34	57.56

454.44	57.557
454.54	57.553
454.64	57.55
454.74	57.547
454.84	57.543
454.94	57.54
455.	57.538
455.01	
455.02	57.537
455.05	57.536
455.14	57.533
455.24	57.53
455.34	57.527
455.44	57.523
455.54	57.52
455.64	57.517
455.74	57.513
455.84	57.51
455.94	57.507
456.	57.505
456.01	57.504
456.02	
456.05	57.503
456.14	57.5
456.24	57.497
456.34	57.493
456.44	57.49
456.54	57.487
456.64	57.483
456.74	57.48
456.84	57.477
456.94	57.473
457.	57.471
457.01	
457.02	
457.05	57.47
457.14	57.467
457.24	57.463
457.34	57.46
457.44	57.457
457.54	57.454
457.64	57.45
457.74	57.447
457.84	57.444
457.94	57.441
458.	57.439
458.01	57.438
458.02	
458.05	57.437
458.14	57.434
458.24	57.431
458.34	57.427
458.44	57.424
458.54	57.421
458.64	57.418
458.74	57.414
458.84	57.411
458.94	57.408
459.	57.406
459.01	

459.02	57.405
459.05	57.404
459.14	57.401
459.24	57.398
459.34	57.395
459.44	57.392
459.54	57.388
459.64	57.385
459.74	57.382
459.84	57.379
459.94	57.375
460.	57.373
460.01	
460.02	
460.05	57.372
460.14	57.369
460.24	57.366
460.34	57.362
460.44	57.359
460.54	57.356
460.64	57.353
460.74	57.349
460.84	57.346
460.94	57.343
461.	57.341
461.01	
461.02	57.34
461.05	57.339
461.14	57.336
461.24	57.333
461.34	57.33
461.44	57.327
461.54	57.324
461.64	57.32
461.74	57.317
461.84	57.314
461.94	57.311
462.	57.309
462.01	57.308
462.02	
462.05	57.307
462.14	57.304
462.24	57.301
462.34	57.298
462.44	57.294
462.54	57.291
462.64	57.288
462.74	57.285
462.84	57.282
462.94	57.278
463.	57.276
463.01	
463.02	
463.05	57.275
463.14	57.272
463.24	57.269
463.34	57.265
463.44	57.262
463.54	57.259
463.64	57.256

463.74	57.252
463.84	57.249
463.94	57.246
464.	57.244
464.01	
464.02	57.243
464.05	57.242
464.14	57.239
464.24	57.236
464.34	57.233
464.44	57.23
464.54	57.227
464.64	57.223
464.74	57.22
464.84	57.217
464.94	57.214
465.	57.212
465.01	
465.02	57.211
465.05	57.21
465.14	57.208
465.24	57.204
465.34	57.201
465.44	57.198
465.54	57.195
465.64	57.192
465.74	57.189
465.84	57.185
465.94	57.182
466.	57.18
466.01	
466.02	
466.05	57.179
466.14	57.176
466.24	57.173
466.34	57.17
466.44	57.167
466.54	57.163
466.64	57.16
466.74	57.157
466.84	57.154
466.94	57.151
467.	57.149
467.01	
467.02	57.148
467.05	57.147
467.14	57.145
467.24	57.142
467.34	57.138
467.44	57.135
467.54	57.132
467.64	57.129
467.74	57.126
467.84	57.123
467.94	57.12
468.	57.118
468.01	
468.02	57.117
468.05	57.116
468.14	57.114

468.24	57.111
468.34	57.107
468.44	57.104
468.54	57.101
468.64	57.098
468.74	57.095
468.84	57.092
468.94	57.089
469.	57.087
469.01	
469.02	57.086
469.05	57.085
469.14	57.083
469.24	57.08
469.34	57.076
469.44	57.073
469.54	57.07
469.64	57.067
469.74	57.064
469.84	57.061
469.94	57.058
470.	57.056
470.01	
470.02	
470.05	57.055
470.14	57.052
470.24	57.049
470.34	57.046
470.44	57.043
470.54	57.04
470.64	57.038
470.74	57.035
470.84	57.032
470.94	57.029
471.	57.027
471.01	
471.02	
471.05	57.026
471.14	57.023
471.24	57.021
471.34	57.018
471.44	57.015
471.54	57.012
471.64	57.009
471.74	57.007
471.84	57.004
471.94	57.001
472.	56.999
472.01	
472.02	
472.05	56.998
472.14	56.995
472.24	56.992
472.34	56.99
472.44	56.987
472.54	56.984
472.64	56.981
472.74	56.979
472.84	56.976
472.94	56.973

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473.01	56.971
473.02	
473.05	56.97
473.14	56.967
473.24	56.965
473.34	56.962
473.44	56.959
473.54	56.956
473.64	56.954
473.74	56.951
473.84	56.948
473.94	56.946
474.	56.944
474.01	
474.02	56.943
474.05	
474.14	56.94
474.24	56.938
474.34	56.935
474.44	56.932
474.54	56.93
474.64	56.927
474.74	56.924
474.84	56.922
474.94	56.919
475.	56.917
475.01	
475.02	
475.05	56.916
475.14	56.914
475.24	56.911
475.34	56.909
475.44	56.906
475.54	56.903
475.64	56.901
475.74	56.898
475.84	56.896
475.94	56.893
476.	56.892
476.01	56.891
476.02	
476.05	56.89
476.14	56.888
476.24	56.885
476.34	56.883
476.44	56.88
476.54	56.877
476.64	56.875
476.74	56.872
476.84	56.87
476.94	56.867
477.	56.866
477.01	56.865
477.02	
477.05	56.864
477.14	56.862
477.24	56.859
477.34	56.857
477.44	56.854

477.54	56.851
477.64	56.849
477.74	56.846
477.84	56.844
477.94	56.841
478.	56.839
478.01	
478.02	
478.05	56.838
478.14	56.835
478.24	56.833
478.34	56.83
478.44	56.827
478.54	56.825
478.64	56.822
478.74	56.819
478.84	56.816
478.94	56.814
479.	56.812
479.01	
479.02	56.811
479.05	
479.14	56.808
479.24	56.805
479.34	56.803
479.44	56.8
479.54	56.797
479.64	56.795
479.74	56.792
479.84	56.789
479.94	56.786
480.	56.785
480.01	56.784
480.02	
480.05	56.783
480.14	56.781
480.24	56.778
480.34	56.775
480.44	56.773
480.54	56.77
480.64	56.767
480.74	56.765
480.84	56.762
480.94	56.759
481.	56.758
481.01	56.757
481.02	
481.05	56.756
481.14	56.754
481.24	56.751
481.34	56.748
481.44	56.746
481.54	56.743
481.64	56.74
481.74	56.738
481.84	56.735
481.94	56.732
482.	56.731
482.01	56.73
482.02	

482.05	56.729
482.14	56.727
482.24	56.724
482.34	56.722
482.44	56.719
482.54	56.716
482.64	56.714
482.74	56.711
482.84	56.708
482.94	56.706
483.	
483.01	56.704
483.02	
483.05	56.703
483.14	56.7
483.24	56.698
483.34	56.695
483.44	56.693
483.54	56.69
483.64	56.687
483.74	56.685
483.84	56.682
483.94	56.68
484.	
484.01	56.678
484.02	
484.05	56.677
484.14	56.674
484.24	56.672
484.34	56.669
484.44	56.667
484.54	56.664
484.64	56.662
484.74	56.659
484.84	56.656
484.94	56.654
485.	
485.01	56.652
485.02	
485.05	56.651
485.14	56.649
485.24	56.646
485.34	56.643
485.44	56.641
485.54	56.638
485.64	56.636
485.74	56.633
485.84	56.63
485.94	56.628
486.	
486.01	56.626
486.02	
486.05	56.625
486.14	56.623
486.24	56.62
486.34	56.617
486.44	56.615
486.54	56.612
486.64	56.609
486.74	56.607

486.84	56.604
486.94	56.602
487.	56.6
487.01	
487.02	56.599
487.05	
487.14	56.596
487.24	56.594
487.34	56.591
487.44	56.588
487.54	56.586
487.64	56.583
487.74	56.58
487.84	56.578
487.94	56.575
488.	56.573
488.01	
488.02	
488.05	56.572
488.14	56.57
488.24	56.567
488.34	56.564
488.44	56.562
488.54	56.559
488.64	56.556
488.74	56.554
488.84	56.551
488.94	56.548
489.	56.546
489.01	
489.02	
489.05	56.545
489.14	56.543
489.24	56.54
489.34	56.537
489.44	56.534
489.54	56.532
489.64	56.529
489.74	56.526
489.84	56.523
489.94	56.521
490.	56.519
490.01	
490.02	56.518
490.05	56.517
490.14	56.515
490.24	56.512
490.34	56.509
490.44	56.506
490.54	56.504
490.64	56.501
490.74	56.498
490.84	56.495
490.94	56.492
491.	56.49
491.01	
491.02	
491.05	56.489
491.14	56.486
491.24	56.483

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491.44	56.478
491.54	56.475
491.64	56.472
491.74	56.469
491.84	56.466
491.94	56.463
492.	56.462
492.01	56.461
492.02	
492.05	56.46
492.14	56.457
492.24	56.455
492.34	56.452
492.44	56.449
492.54	56.446
492.64	56.443
492.74	56.44
492.84	56.437
492.94	56.434
493.	56.432
493.01	
493.02	
493.05	56.431
493.14	56.428
493.24	56.425
493.34	56.422
493.44	56.42
493.54	56.417
493.64	56.414
493.74	56.411
493.84	56.408
493.94	56.405
494.	56.403
494.01	
494.02	
494.05	56.402
494.14	56.399
494.24	56.396
494.34	56.393
494.44	56.39
494.54	56.387
494.64	56.384
494.74	56.381
494.84	56.379
494.94	56.376
495.	56.374
495.01	
495.02	56.373
495.05	56.372
495.14	56.37
495.24	56.367
495.34	56.364
495.44	56.361
495.54	56.358
495.64	56.355
495.74	56.352
495.84	56.349
495.94	56.346
496.	

496.01	56.344
496.02	
496.05	56.343
496.14	56.34
496.24	56.337
496.34	56.334
496.44	56.332
496.54	56.329
496.64	56.326
496.74	56.323
496.84	56.32
496.94	56.317
497.	56.315
497.01	
497.02	56.314
497.05	
497.14	56.311
497.24	56.308
497.34	56.305
497.44	56.302
497.54	56.299
497.64	56.296
497.74	56.293
497.84	56.29
497.94	56.287
498.	56.286
498.01	56.285
498.02	
498.05	56.284
498.14	56.282
498.24	56.279
498.34	56.276
498.44	56.273
498.54	56.27
498.64	56.267
498.74	56.264
498.84	56.261
498.94	56.258
499.	56.256
499.01	
499.02	
499.05	56.255
499.14	56.252
499.24	56.249
499.34	56.246
499.44	56.244
499.54	56.241
499.64	56.238
499.74	56.235
499.84	56.232
499.94	56.229
500.	56.227
500.01	
500.02	
500.05	56.226
500.14	56.223
500.24	56.22
500.34	56.217
500.44	56.214
500.54	56.212

500.64	56.209
500.74	56.206
500.84	56.203
500.94	56.2
501.	56.198
501.01	
501.02	
501.05	56.197
501.14	56.194
501.24	56.191
501.34	56.188
501.44	56.186
501.54	56.183
501.64	56.18
501.74	56.177
501.84	56.174
501.94	56.171
502.	56.169
502.01	
502.02	
502.05	56.168
502.14	56.165
502.24	56.163
502.34	56.16
502.44	56.157
502.54	56.154
502.64	56.151
502.74	56.148
502.84	56.146
502.94	56.143
503.	56.141
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503.02	56.14
503.05	
503.14	56.137
503.24	56.134
503.34	56.131
503.44	56.129
503.54	56.126
503.64	56.123
503.74	56.12
503.84	56.117
503.94	56.115
504.	56.113
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504.05	56.111
504.14	56.109
504.24	56.106
504.34	56.103
504.44	56.101
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504.64	56.095
504.74	56.092
504.84	56.089
504.94	56.087
505.	56.085
505.01	
505.02	56.084
505.05	

505.14	56.081
505.24	56.078
505.34	56.076
505.44	56.073
505.54	56.07
505.64	56.067
505.74	56.064
505.84	56.062
505.94	56.059
506.	56.057
506.01	
506.02	
506.05	56.056
506.14	56.053
506.24	56.051
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506.54	56.042
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506.84	56.034
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507.	56.03
507.01	56.029
507.02	
507.05	56.028
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507.24	56.023
507.34	56.02
507.44	56.018
507.54	56.015
507.64	56.012
507.74	56.009
507.84	56.007
507.94	56.004
508.	56.002
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508.24	55.996
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508.44	55.99
508.54	55.987
508.64	55.985
508.74	55.982
508.84	55.979
508.94	55.977
509.	55.975
509.01	
509.02	55.974
509.05	
509.14	55.971
509.24	55.968
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509.44	55.963
509.54	55.96
509.64	55.957
509.74	55.955
509.84	55.952

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510.	55.948
510.01	
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510.05	55.946
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510.34	55.939
510.44	55.936
510.54	55.933
510.64	55.931
510.74	55.928
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511.02	55.92
511.05	
511.14	55.917
511.24	55.914
511.34	55.912
511.44	55.909
511.54	55.906
511.64	55.904
511.74	55.901
511.84	55.898
511.94	55.895
512.	55.894
512.01	55.893
512.02	
512.05	55.892
512.14	55.89
512.24	55.887
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512.44	55.882
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512.64	55.876
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512.84	55.871
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513.	55.866
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513.02	
513.05	55.865
513.14	55.863
513.24	55.86
513.34	55.857
513.44	55.854
513.54	55.852
513.64	55.849
513.74	55.846
513.84	55.844
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514.02	
514.05	55.838
514.14	55.836
514.24	55.833
514.34	55.83

514.44	55.828
514.54	55.825
514.64	55.822
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514.84	55.817
514.94	55.814
515.	55.813
515.01	
515.02	55.812
515.05	
515.14	55.809
515.24	55.807
515.34	55.804
515.44	55.801
515.54	55.799
515.64	55.796
515.74	55.793
515.84	55.791
515.94	55.788
516.	55.787
516.01	55.786
516.02	
516.05	55.785
516.14	55.783
516.24	55.78
516.34	55.778
516.44	55.775
516.54	55.772
516.64	55.77
516.74	55.767
516.84	55.765
516.94	55.762
517.	55.76
517.01	
517.02	
517.05	55.759
517.14	55.757
517.24	55.754
517.34	55.751
517.44	55.749
517.54	55.746
517.64	55.743
517.74	55.741
517.84	55.738
517.94	55.735
518.	55.734
518.01	
518.02	55.733
518.05	
518.14	55.73
518.24	55.728
518.34	55.725
518.44	55.722
518.54	55.72
518.64	55.717
518.74	55.714
518.84	55.712
518.94	55.709
519.	55.708
519.01	55.707

519.02	
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520.02	
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520.64	55.665
520.74	55.662
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520.94	55.657
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521.01	
521.02	
521.05	55.654
521.14	55.652
521.24	55.649
521.34	55.647
521.44	55.644
521.54	55.641
521.64	55.639
521.74	55.636
521.84	55.634
521.94	55.631
522.	55.629
522.01	
522.02	
522.05	55.628
522.14	55.626
522.24	55.623
522.34	55.621
522.44	55.618
522.54	55.615
522.64	55.613
522.74	55.61
522.84	55.608
522.94	55.605
523.	55.603
523.01	
523.02	
523.05	55.602
523.14	55.6
523.24	55.597
523.34	55.595
523.44	55.592
523.54	55.589
523.64	55.587

523.74	55.584
523.84	55.582
523.94	55.579
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524.01	55.577
524.02	
524.05	55.576
524.14	55.574
524.24	55.571
524.34	55.569
524.44	55.566
524.54	55.564
524.64	55.561
524.74	55.558
524.84	55.556
524.94	55.553
525.	55.552
525.01	55.551
525.02	
525.05	55.55
525.14	55.548
525.24	55.545
525.34	55.543
525.44	55.54
525.54	55.537
525.64	55.535
525.74	55.532
525.84	55.53
525.94	55.527
526.	55.525
526.01	
526.02	
526.05	55.524
526.14	55.522
526.24	55.519
526.34	55.517
526.44	55.514
526.54	55.511
526.64	55.509
526.74	55.506
526.84	55.504
526.94	55.501
527.	55.499
527.01	
527.02	
527.05	55.498
527.14	55.496
527.24	55.493
527.34	55.491
527.44	55.488
527.54	55.485
527.64	55.483
527.74	55.48
527.84	55.478
527.94	55.475
528.	55.473
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528.02	
528.05	55.472
528.14	55.47

528.24	55.467
528.34	55.465
528.44	55.462
528.54	55.459
528.64	55.457
528.74	55.454
528.84	55.452
528.94	55.449
529.	55.447
529.01	
529.02	
529.05	55.446
529.14	55.444
529.24	55.441
529.34	55.439
529.44	55.436
529.54	55.433
529.64	55.431
529.74	55.428
529.84	55.426
529.94	55.423
530.	55.421
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530.02	
530.05	55.42
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530.24	55.415
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530.64	55.405
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530.94	55.397
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531.01	55.395
531.02	
531.05	55.394
531.14	55.392
531.24	55.389
531.34	55.387
531.44	55.384
531.54	55.382
531.64	55.379
531.74	55.376
531.84	55.374
531.94	55.371
532.	55.37
532.01	55.369
532.02	
532.05	55.368
532.14	55.366
532.24	55.363
532.34	55.361
532.44	55.358
532.54	55.356
532.64	55.353
532.74	55.351
532.84	55.348
532.94	55.345

533.	55.344
533.01	
533.02	55.343
533.05	
533.14	55.34
533.24	55.338
533.34	55.335
533.44	55.332
533.54	55.33
533.64	55.327
533.74	55.325
533.84	55.322
533.94	55.32
534.	55.318
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534.02	
534.05	55.317
534.14	55.314
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534.44	55.307
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534.74	55.299
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535.02	
535.05	55.291
535.14	55.289
535.24	55.286
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535.54	55.279
535.64	55.276
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535.94	55.268
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536.01	
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536.05	
536.14	55.263
536.24	55.261
536.34	55.258
536.44	55.256
536.54	55.253
536.64	55.251
536.74	55.248
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536.94	55.243
537.	55.241
537.01	
537.02	
537.05	55.24
537.14	55.238
537.24	55.235
537.34	55.233
537.44	55.23

537.54	55.228
537.64	55.225
537.74	55.222
537.84	55.22
537.94	55.217
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538.14	55.212
538.24	55.21
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538.44	55.205
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538.84	55.194
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541.	55.139
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541.02	
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542.02	

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546.74	54.996

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546.94	54.991
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547.14	54.986
547.24	54.984
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547.44	54.979
547.54	54.977
547.64	54.974
547.74	54.972
547.84	54.969
547.94	54.967
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550.74	54.898
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551.	54.892
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557.54	54.733
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557.74	54.728
557.84	54.726
557.94	54.723
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558.34	54.714
558.44	54.712
558.54	54.709
558.64	54.707
558.74	54.705
558.84	54.702
558.94	54.7
559.	54.699
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559.02	54.698
559.05	
559.14	54.696
559.24	54.693
559.34	54.691
559.44	54.689
559.54	54.687
559.64	54.684
559.74	54.682
559.84	54.68
559.94	54.678
560.	54.676
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560.8	54.659
562.	54.632
565.6	54.553
569.6	54.465
573.6	54.378
577.6	54.292
581.6	54.205

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589.6		54.033
593.6		53.948
597.6		53.863
600.		53.812
606.		53.685
612.		53.559
630.		53.186
684.		52.119
744.		50.985
804.		49.893
864.		48.84
924.		47.832
984.		46.859
1044.	22.25	45.92
1104.		45.015
1164.		44.142
1200.		43.63
1212.		43.461
1224.		43.292
1260.		42.798
1368.		41.398
1476.		40.079
1596.		39.032
1716.		38.536
1836.		37.969
1956.		37.349
2076.		36.705

2196.	22.247	36.136
2316.	22.207	35.634
2400.	22.181	35.306
2412.	22.178	35.262
2424.	22.174	35.218
2460.	22.164	35.084
2568.	22.136	34.673
2676.	22.111	34.262
2796.	22.086	33.8
2916.	22.063	33.331
3036.	22.043	32.858
3156.	22.025	32.38
3276.	22.008	31.902
3396.	21.993	31.425
3516.	21.979	30.952
3600.	21.97	30.624
3612.	21.969	30.578
3624.	21.967	30.531
3660.	21.964	30.391
3768.	21.953	29.979
3876.	21.944	29.574
3996.	21.934	29.136
4116.	21.925	28.71
4236.	21.917	28.298
4356.	21.909	27.898
4476.	21.902	27.514
4596.	21.664	27.143
4716.	21.425	26.788
4800.	21.264	26.547
4812.	21.241	26.513
4824.	21.219	26.478
4860.	21.151	26.377
4968.	20.961	26.086
5076.	20.777	25.807
5196.	20.565	25.513
5316.	20.364	25.235
5436.	20.175	25.056
5556.	19.997	24.971
5676.	19.83	24.925
5796.	19.672	24.895
5916.	19.523	24.864
6000.	19.423	24.843
6012.	19.409	24.84
6024.	19.395	24.836
6060.	19.353	24.827
6168.	19.235	24.799
6276.	19.123	24.77
6396.	19.005	24.739
6516.	18.895	24.707
6636.	18.79	24.679
6756.	18.692	24.653
6876.	18.599	24.633
6996.	18.511	24.612
7116.	18.429	24.591
7200.	18.374	24.576
7212.	18.366	24.574
7224.	18.358	24.572
7260.	18.336	24.566
7368.	18.273	24.547
7476.	18.216	24.529
7500.		

	18.157	24.508
7716.	18.103	24.487
7836.	18.055	24.47
7956.	18.01	24.456
8076.	17.97	24.442
8196.	17.933	24.427
8316.	17.898	24.412
8400.	17.876	24.402
8412.	17.873	24.4
8424.	17.869	24.399
8460.	17.86	24.394
8568.	17.833	24.38
8688.	17.804	24.366
8808.	17.776	24.352
8928.	17.749	24.341
9048.	17.723	24.331
9168.	17.698	24.32
9288.	17.674	24.31
9408.	17.651	24.299
9528.	17.629	24.288
9600.	17.616	24.282
9612.	17.614	24.281
9624.	17.612	24.28
9660.	17.606	24.277
9768.	17.587	24.267
9888.	17.568	24.256
10008	17.549	24.248
10128	17.531	24.24
10248	17.514	24.233
10368	17.497	24.225
10488	17.481	24.217
10608	17.466	24.209
10728	17.451	24.201
10800	17.443	24.196

FIGURE 14
Model (O4) > Transient Thermal (O5) > Solution (O6) > Drum Content T

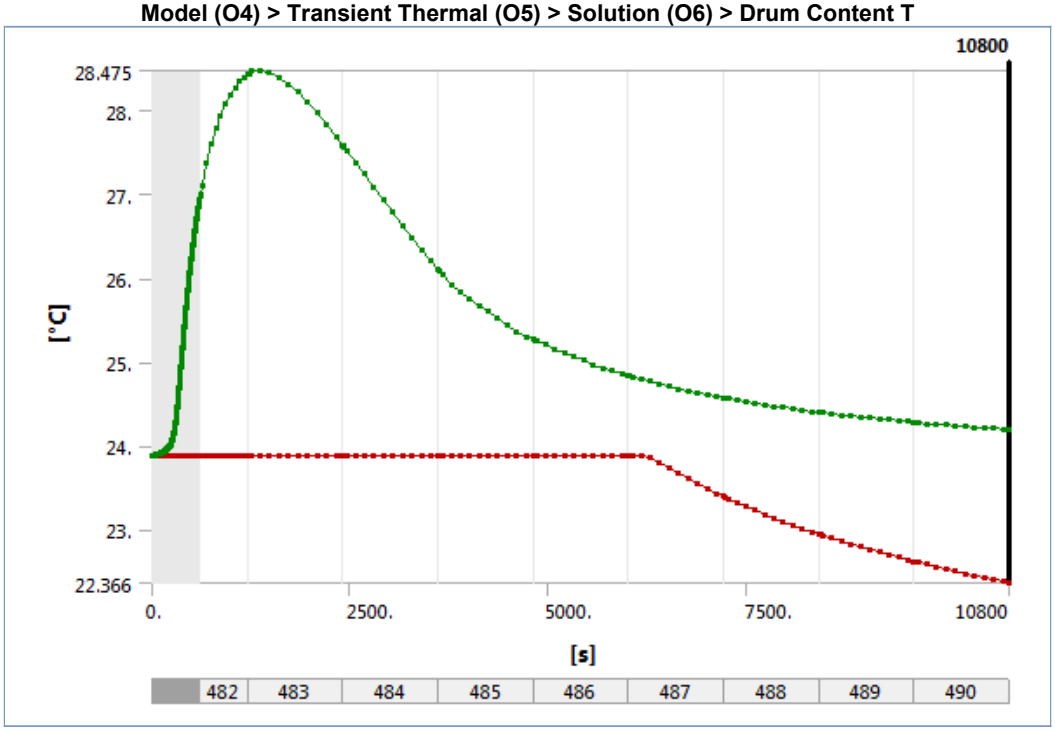

TABLE 25
Model (O4) > Transient Thermal (O5) > Solution (O6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		

8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
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13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		
15.48		
15.68		
15.88		
16.		
16.02		
16.04		
16.1		
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16.48		
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16.88		
17.08		
17.28		
17.48		
17.68		
17.88		
18.		
18.02		
18.04		

18.1
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19.68
19.88
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20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68
23.88
24.
24.02
24.04
24.1
24.28
24.48
24.68
24.88
25.08
25.28
25.48
25.68
25.88
26.
26.02
26.04
26.1
26.28
26.48
26.68
26.88
27.08
27.28
27.48

27.88			
28.			
28.02			
28.04			
28.1			
28.28	23.89		
28.48			
28.68			
28.88			
29.08			
29.28			
29.48			

	23.89
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	
30.68	
30.88	
31.08	
31.28	
31.48	
31.68	
31.88	
32.	
32.02	
32.04	
32.1	
32.28	
32.48	
32.68	
32.88	
33.08	
33.28	
33.48	
33.68	
33.88	
34.	
34.02	23.891
34.04	
34.1	
34.28	
34.48	
34.68	
34.88	
35.08	
35.28	
35.48	
35.68	
35.88	
36.	
36.02	
36.04	
36.1	
36.28	
36.48	
36.68	
36.88	
37.08	
37.28	
37.48	
37.68	
37.88	
38.	
38.02	
38.04	
38.1	
38.28	

38.48		
38.68		
38.88		
39.08		
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40.02		
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40.28		
40.48		
40.68		
40.88		
41.08		
41.28		
41.48		
41.68		
41.88		23.892
42.		
42.02		
42.04		
42.1		
42.28		
42.48		
42.68		
42.88		
43.08		
43.28		
43.48		
43.68		
43.88		
44.		
44.02		
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44.68		
44.88		
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		23.893
46.28		
46.48		
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		
47.88		

48.	
48.02	
48.04	
48.1	
48.28	
48.48	
48.68	
48.88	
49.08	
49.28	
49.48	
49.68	
49.88	
50.	23.894
50.02	
50.04	
50.1	
50.28	
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	
51.88	
52.	
52.02	
52.04	
52.1	
52.28	
52.48	
52.68	
52.88	
53.08	
53.28	
53.48	
53.68	
53.88	
54.	
54.02	
54.04	
54.1	
54.28	
54.48	
54.68	23.895
54.88	
55.08	
55.28	
55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	
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56.48	
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56.88	

57.08	
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57.68	
57.88	
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58.02	
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60.	
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60.28	
60.48	
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60.88	
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61.68	
61.88	
62.	
62.02	
62.04	
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63.08	
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64.	
64.02	
64.04	
64.1	
64.28	23.897
64.48	
64.68	
64.88	
65.08	
65.28	
65.48	
65.68	
65.88	
66.	
66.02	
66.04	

66.1		
66.28		
66.48		
66.68		
66.88		
67.08		
67.28		
67.48		
67.68		
67.88		23.898
68.		
68.02		
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68.88		
69.08		
69.28		
69.48		
69.68		
69.88		
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70.02		
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70.28		
70.48		
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71.28		
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71.88		
72.		
72.02		
72.04		
72.1		
72.28		
72.48		
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72.88		
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73.28		
73.48		
73.68		
73.88		
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74.02		
74.04		
74.1		
74.28		
74.48		
74.68		
74.88		
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75.28		
75.48		

75.68	
75.88	
76.	
76.02	
76.04	
76.1	
76.28	
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76.68	
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77.28	
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77.68	
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78.02	
78.04	
78.1	
78.28	
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78.68	
78.88	
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79.88	
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80.02	
80.04	
80.1	
80.28	
80.48	
80.68	
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83.28	
83.48	
83.68	
83.88	
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84.02	
84.04	
84.1	
84.28	
84.48	

84.68	
84.88	
85.08	
85.28	
85.48	23.905
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86.	
86.02	
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86.68	
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87.08	
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87.88	23.906
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88.68	
88.88	
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89.28	
89.48	
89.68	
89.88	
90.	23.907
90.02	
90.04	
90.1	
90.28	
90.48	
90.68	
90.88	
91.08	
91.28	
91.48	
91.68	
91.88	
92.	
92.02	
92.04	
92.1	
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92.48	
92.68	
92.88	
93.08	
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93.68	
93.88	
94.	

94.02	
94.04	
94.1	
94.28	
94.48	23.909
94.68	
94.88	
95.08	
95.28	
95.48	
95.68	
95.88	
96.	
96.02	
96.04	
96.1	
96.28	
96.48	
96.68	23.91
96.88	
97.08	
97.28	
97.48	
97.68	
97.88	
98.	
98.02	
98.04	
98.1	
98.28	
98.48	
98.68	
98.88	23.911
99.08	
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99.48	
99.68	
99.88	
100.	
100.02	
100.04	
100.1	
100.28	
100.48	
100.68	
100.88	
101.08	23.912
101.28	
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101.68	
101.88	
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102.02	
102.04	
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102.28	
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102.68	
102.88	
103.08	

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106.1		
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106.68		
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107.08		
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107.88		
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110.88		
111.08		
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111.68		
111.88		23.917
112.		
112.02		
112.04		
112.1		

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112.48	
112.68	
112.88	
113.08	23.918
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113.48	
113.68	
113.88	
114.	
114.02	
114.04	
114.1	
114.28	
114.48	
114.68	
114.88	
115.08	23.919
115.28	
115.48	
115.68	
115.88	
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116.1	
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116.48	
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117.08	
117.28	
117.48	
117.68	
117.88	
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118.02	
118.04	
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118.48	
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119.28	
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121.28	
121.48	
121.68	

121.88	
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122.02	
122.04	
122.1	
122.28	
122.48	23.923
122.68	
122.88	
123.08	
123.28	
123.48	
123.68	
123.88	
124.	
124.02	
124.04	
124.1	
124.28	23.924
124.48	
124.68	
124.88	
125.08	
125.28	
125.48	
125.68	
125.88	
126.	23.925
126.02	
126.04	
126.1	
126.28	
126.48	
126.68	
126.88	
127.08	
127.28	
127.48	
127.68	
127.88	23.926
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128.04	
128.1	
128.28	
128.48	
128.68	

	23.889	
128.88		
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129.28		
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130.		
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130.04		
130.1		
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130.48		
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130.88		
131.08		
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131.48		
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132.04		
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133.48		
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133.88		
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134.04		
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135.48		
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135.88		
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136.04		
136.1		
136.28		23.931
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136.88		
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137.68		
137.88		
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139.28		
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139.68		
139.88		
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140.1		23.933
140.28		
140.48		
140.68		
140.88		
141.08		
141.28		
141.48		
141.68		
141.88		
142.		
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142.04		
142.1		
142.28		
142.48		
142.68		
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143.08		
143.28		
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143.68		
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144.1		
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144.68		
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147.08		

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147.88	
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152.02	
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152.68	
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153.68	
153.88	
154.	
154.02	
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154.48	
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155.28	
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156.1	

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156.68	
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160.54	23.947
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160.94	
161.	
161.01	
161.02	
161.05	
161.14	
161.24	
161.34	
161.44	
161.54	
161.64	
161.74	
161.84	
161.94	23.948
162.	
162.01	
162.02	
162.05	
162.14	
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162.54	
162.64	
162.74	
162.84	

162.94	
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163.01	
163.02	
163.05	
163.14	
163.24	23.949
163.34	
163.44	
163.54	
163.64	
163.74	
163.84	
163.94	
164.	
164.01	
164.02	
164.05	
164.14	
164.24	
164.34	
164.44	
164.54	
164.64	23.95
164.74	
164.84	
164.94	
165.	
165.01	
165.02	
165.05	
165.14	
165.24	
165.34	
165.44	
165.54	
165.64	
165.74	
165.84	
165.94	23.951
166.	
166.01	
166.02	
166.05	
166.14	
166.24	
166.34	
166.44	
166.54	
166.64	
166.74	
166.84	
166.94	
167.	
167.01	
167.02	
167.05	
167.14	
167.24	
167.34	

167.44	
167.54	
167.64	
167.74	
167.84	
167.94	
168.	23.952
168.01	
168.02	
168.05	
168.14	
168.24	
168.34	
168.44	23.953
168.54	
168.64	
168.74	
168.84	
168.94	
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268.84	
268.94	
269.	

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286.74	24.219
286.84	
286.94	24.22
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291.94	
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292.94	
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302.44	24.317

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347.94	24.784
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348.01	
348.02	24.785
348.05	
348.14	24.786
348.24	24.787
348.34	24.788
348.44	24.789
348.54	24.79
348.64	24.791

348.74	23.889	24.792

348.84		24.793
348.94		24.794
349.		24.795
349.01		
349.02		
349.05		24.796
349.14		24.797
349.24		24.798
349.34		24.799
349.44		24.8
349.54		24.801
349.64		24.802
349.74		24.803
349.84		24.804
349.94		24.805
350.		24.806
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350.05		24.807
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350.24		24.809
350.34		24.81
350.44		24.811
350.54		24.812
350.64		24.813
350.74		24.814
350.84		24.815
350.94		24.816
351.		24.817
351.01		
351.02		
351.05		
351.14		24.818
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351.34		24.821
351.44		24.822
351.54		24.823
351.64		24.824
351.74		24.825
351.84		24.826
351.94		24.827
352.		24.828
352.01		
352.02		
352.05		
352.14		24.829
352.24		24.83
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352.44		24.832
352.54		24.834
352.64		24.835
352.74		24.836
352.84		24.837
352.94		24.838
353.		24.839
353.01		
353.02		
353.05		
353.14		24.84
353.24		24.841

353.34	24.842
353.44	24.843
353.54	24.844
353.64	24.845
353.74	24.847
353.84	24.848
353.94	24.849
354.	
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354.02	24.85
354.05	
354.14	24.851
354.24	24.852
354.34	24.853
354.44	24.854
354.54	24.855
354.64	24.856
354.74	24.857
354.84	24.858
354.94	24.86
355.	
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355.02	
355.05	24.861
355.14	24.862
355.24	24.863
355.34	24.864
355.44	24.865
355.54	24.866
355.64	24.867
355.74	24.868
355.84	24.869
355.94	24.87
356.	24.871
356.01	
356.02	
356.05	24.872
356.14	24.873
356.24	24.874
356.34	24.875
356.44	24.876
356.54	24.877
356.64	24.878
356.74	24.879
356.84	24.88
356.94	24.881
357.	24.882
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357.05	
357.14	24.883
357.24	24.885
357.34	24.886
357.44	24.887
357.54	24.888
357.64	24.889
357.74	24.89
357.84	24.891
357.94	24.892
358.	

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358.02	24.893
358.05	
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358.24	24.895
358.34	24.896
358.44	24.898
358.54	24.899
358.64	24.9
358.74	24.901
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358.94	24.903
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359.05	
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359.24	24.906
359.34	24.907
359.44	24.908
359.54	24.909
359.64	24.911
359.74	24.912
359.84	24.913
359.94	24.914
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360.02	24.915
360.05	
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360.24	24.917
360.34	24.918
360.44	24.919
360.54	24.92
360.64	24.921
360.74	24.922
360.84	24.924
360.94	
361.	24.925
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361.02	
361.05	24.926
361.14	24.927
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361.94	24.935
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362.02	
362.05	24.937
362.14	24.938
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362.34	24.94
362.44	24.941
362.54	24.942

362.64	24.943
362.74	24.944
362.84	24.945
362.94	24.946
363.	24.947
363.01	
363.02	
363.05	
363.14	24.948
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363.44	24.952
363.54	24.953
363.64	24.954
363.74	24.955
363.84	24.956
363.94	24.957
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364.05	
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364.64	24.965
364.74	24.966
364.84	24.967
364.94	24.968
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365.54	24.974
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366.84	24.989
366.94	24.99
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367.05	24.991

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367.34	24.994
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387.94	25.218
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388.94	25.228
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389.64	25.236
389.74	25.237
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389.94	25.239
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422.54	25.591

422.64	25.592
422.74	25.593
422.84	25.594
422.94	25.595
423.	25.596
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423.02	
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423.74	25.604
423.84	25.605
423.94	25.606
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424.05	
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425.94	25.626
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426.44	25.631
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427.	
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427.05	25.638

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427.64	25.644
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429.94	25.667
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435.94	25.726
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436.14	
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436.34	25.73

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436.84	25.735
436.94	25.736
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437.05	
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437.34	25.74
437.44	25.741
437.54	25.742
437.64	25.743
437.74	25.744
437.84	25.745
437.94	25.746
438.	25.747
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438.05	
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438.64	25.753
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438.94	25.756
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440.84	25.774
440.94	25.775
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441.44	25.78
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446.94	25.832
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449.84	25.859
449.94	25.86
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450.14	25.862

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499.74	
499.84	26.282
499.94	26.283
500.	
500.01	
500.02	26.284
500.05	
500.14	
500.24	26.285
500.34	26.286
500.44	26.287
500.54	26.288
500.64	
500.74	26.289
500.84	26.29
500.94	26.291
501.	
501.01	
501.02	
501.05	26.292
501.14	
501.24	26.293
501.34	26.294
501.44	26.295
501.54	
501.64	26.296
501.74	26.297
501.84	26.298
501.94	
502.	

502.01	26.299
502.02	
502.05	
502.14	26.3
502.24	26.301
502.34	
502.44	26.302
502.54	26.303
502.64	26.304
502.74	
502.84	26.305
502.94	26.306
503.	
503.01	26.307
503.02	
503.05	
503.14	26.308
503.24	
503.34	26.309
503.44	26.31
503.54	26.311
503.64	
503.74	26.312
503.84	26.313
503.94	26.314
504.	
504.01	
504.02	
504.05	
504.14	26.315
504.24	26.316
504.34	26.317
504.44	
504.54	26.318
504.64	26.319
504.74	26.32
504.84	
504.94	26.321
505.	26.322
505.01	
505.02	
505.05	
505.14	26.323
505.24	
505.34	26.324
505.44	26.325
505.54	26.326
505.64	26.327
505.74	
505.84	26.328
505.94	26.329
506.	
506.01	
506.02	
506.05	26.33
506.14	
506.24	26.331
506.34	26.332
506.44	26.333
506.54	

506.64	26.334
506.74	26.335
506.84	26.336
506.94	
507.	26.337
507.01	
507.02	
507.05	
507.14	26.338
507.24	26.339
507.34	
507.44	26.34
507.54	26.341
507.64	26.342
507.74	
507.84	26.343
507.94	26.344
508.	
508.01	
508.02	
508.05	26.345
508.14	
508.24	26.346
508.34	26.347
508.44	26.348
508.54	
508.64	26.349
508.74	26.35
508.84	26.351
508.94	
509.	26.352
509.01	
509.02	
509.05	
509.14	26.353
509.24	26.354
509.34	
509.44	26.355
509.54	26.356
509.64	26.357
509.74	
509.84	26.358
509.94	26.359
510.	
510.01	
510.02	
510.05	26.36
510.14	
510.24	26.361
510.34	26.362
510.44	26.363
510.54	
510.64	26.364
510.74	26.365
510.84	26.366
510.94	
511.	26.367
511.01	
511.02	
511.05	

511.14	26.368
511.24	26.369
511.34	
511.44	26.37
511.54	26.371
511.64	
511.74	26.372
511.84	26.373
511.94	26.374
512.	
512.01	
512.02	
512.05	26.375
512.14	
512.24	26.376
512.34	26.377
512.44	
512.54	26.378
512.64	26.379
512.74	26.38
512.84	
512.94	26.381
513.	26.382
513.01	
513.02	
513.05	
513.14	26.383
513.24	
513.34	26.384
513.44	26.385
513.54	26.386
513.64	
513.74	26.387
513.84	26.388
513.94	
514.	26.389
514.01	
514.02	
514.05	
514.14	26.39
514.24	26.391
514.34	
514.44	26.392
514.54	26.393
514.64	26.394
514.74	
514.84	26.395
514.94	26.396
515.	
515.01	
515.02	
515.05	26.397
515.14	
515.24	26.398
515.34	26.399
515.44	
515.54	26.4
515.64	26.401
515.74	26.402
515.84	

515.94	26.403
516.	26.404
516.01	
516.02	
516.05	
516.14	26.405
516.24	
516.34	26.406
516.44	26.407
516.54	26.408
516.64	
516.74	26.409
516.84	26.41
516.94	
517.	26.411
517.01	
517.02	
517.05	
517.14	26.412
517.24	26.413
517.34	
517.44	26.414
517.54	26.415
517.64	26.416
517.74	
517.84	26.417
517.94	26.418
518.	
518.01	
518.02	
518.05	26.419
518.14	
518.24	26.42
518.34	26.421
518.44	
518.54	26.422
518.64	26.423
518.74	26.424
518.84	
518.94	26.425
519.	
519.01	
519.02	26.426
519.05	
519.14	
519.24	26.427
519.34	26.428
519.44	26.429
519.54	
519.64	26.43
519.74	26.431
519.84	
519.94	26.432
520.	26.433
520.01	
520.02	
520.05	
520.14	26.434
520.24	
520.34	26.435

520.44	26.436
520.54	26.437
520.64	
520.74	26.438
520.84	26.439
520.94	
521.	26.44
521.01	
521.02	
521.05	
521.14	26.441
521.24	26.442
521.34	
521.44	26.443
521.54	26.444
521.64	
521.74	26.445
521.84	26.446
521.94	26.447
522.	
522.01	
522.02	
522.05	
522.14	26.448
522.24	26.449
522.34	
522.44	26.45
522.54	26.451
522.64	26.452
522.74	
522.84	26.453
522.94	26.454
523.	
523.01	
523.02	
523.05	
523.14	26.455
523.24	26.456
523.34	26.457
523.44	
523.54	26.458
523.64	26.459
523.74	
523.84	26.46
523.94	26.461
524.	
524.01	
524.02	
524.05	26.462
524.14	
524.24	26.463
524.34	26.464
524.44	
524.54	26.465
524.64	26.466
524.74	26.467
524.84	
524.94	26.468
525.	
525.01	

525.02	
525.05	26.469
525.14	
525.24	26.47
525.34	26.471
525.44	
525.54	26.472
525.64	26.473
525.74	26.474
525.84	
525.94	26.475
526.	
526.01	26.476
526.02	
526.05	
526.14	
526.24	26.477
526.34	26.478
526.44	26.479
526.54	
526.64	26.48
526.74	26.481
526.84	
526.94	26.482
527.	26.483
527.01	
527.02	
527.05	
527.14	
527.24	26.484
527.34	26.485
527.44	26.486
527.54	
527.64	26.487
527.74	26.488
527.84	
527.94	26.489
528.	26.49
528.01	
528.02	
528.05	
528.14	26.491
528.24	
528.34	26.492
528.44	26.493
528.54	
528.64	26.494
528.74	26.495
528.84	
528.94	26.496
529.	26.497
529.01	
529.02	
529.05	
529.14	26.498
529.24	
529.34	26.499
529.44	26.5
529.54	
529.64	26.501

529.74	26.502
529.84	
529.94	26.503
530.	26.504
530.01	
530.02	
530.05	
530.14	26.505
530.24	
530.34	26.506
530.44	26.507
530.54	
530.64	26.508
530.74	26.509
530.84	
530.94	26.51
531.	
531.01	26.511
531.02	
531.05	
531.14	
531.24	26.512
531.34	26.513
531.44	26.514
531.54	
531.64	26.515
531.74	26.516
531.84	
531.94	26.517
532.	
532.01	26.518
532.02	
532.05	
532.14	
532.24	26.519
532.34	26.52
532.44	
532.54	26.521
532.64	26.522
532.74	26.523
532.84	
532.94	26.524
533.	
533.01	
533.02	
533.05	26.525
533.14	
533.24	26.526
533.34	26.527
533.44	
533.54	26.528
533.64	26.529
533.74	
533.84	26.53
533.94	26.531
534.	
534.01	
534.02	
534.05	26.532
534.14	

534.24	26.533
534.34	26.534
534.44	
534.54	26.535
534.64	26.536
534.74	
534.84	26.537
534.94	26.538
535.	
535.01	
535.02	
535.05	
535.14	26.539
535.24	26.54
535.34	
535.44	26.541
535.54	26.542
535.64	26.543
535.74	
535.84	26.544
535.94	26.545
536.	
536.01	
536.02	
536.05	
536.14	26.546
536.24	26.547
536.34	
536.44	26.548
536.54	26.549
536.64	
536.74	26.55
536.84	26.551
536.94	
537.	26.552
537.01	
537.02	
537.05	
537.14	26.553
537.24	
537.34	26.554
537.44	26.555
537.54	
537.64	26.556
537.74	26.557
537.84	26.558
537.94	
538.	26.559
538.01	
538.02	
538.05	
538.14	26.56
538.24	
538.34	26.561
538.44	26.562
538.54	
538.64	26.563
538.74	26.564
538.84	
538.94	

539.	26.565
539.01	
539.02	26.566
539.05	
539.14	
539.24	26.567
539.34	26.568
539.44	
539.54	26.569
539.64	26.57
539.74	
539.84	26.571
539.94	26.572
540.	
540.01	
540.02	
540.05	
540.14	26.573
540.24	26.574
540.34	
540.44	26.575
540.54	26.576
540.64	
540.74	26.577
540.84	26.578
540.94	
541.	26.579
541.01	
541.02	
541.05	
541.14	26.58
541.24	26.581
541.34	
541.44	26.582
541.54	26.583
541.64	
541.74	26.584
541.84	26.585
541.94	
542.	26.586
542.01	
542.02	
542.05	
542.14	26.587
542.24	
542.34	26.588
542.44	26.589
542.54	
542.64	26.59
542.74	26.591
542.84	
542.94	26.592
543.	
543.01	
543.02	
543.05	26.593
543.14	
543.24	26.594
543.34	26.595
543.44	

543.54	26.596
543.64	26.597
543.74	
543.84	26.598
543.94	26.599
544.	
544.01	
544.02	
544.05	
544.14	26.6
544.24	26.601
544.34	
544.44	26.602
544.54	26.603
544.64	
544.74	26.604
544.84	26.605
544.94	
545.	26.606
545.01	
545.02	
545.05	
545.14	26.607
545.24	
545.34	26.608
545.44	26.609
545.54	
545.64	26.61
545.74	26.611
545.84	
545.94	26.612
546.	
546.01	
546.02	
546.05	26.613
546.14	
546.24	26.614
546.34	26.615
546.44	
546.54	26.616
546.64	26.617
546.74	
546.84	26.618
546.94	
547.	26.619
547.01	
547.02	
547.05	
547.14	26.62
547.24	
547.34	26.621
547.44	26.622
547.54	
547.64	26.623
547.74	26.624
547.84	
547.94	26.625
548.	
548.01	26.626
548.02	

548.05	
548.14	
548.24	26.627
548.34	26.628
548.44	
548.54	26.629
548.64	26.63
548.74	
548.84	26.631
548.94	26.632
549.	
549.01	
549.02	
549.05	
549.14	26.633
549.24	26.634
549.34	
549.44	26.635
549.54	26.636
549.64	
549.74	26.637
549.84	26.638
549.94	
550.	26.639
550.01	
550.02	
550.05	
550.14	26.64
550.24	
550.34	26.641
550.44	
550.54	26.642
550.64	26.643
550.74	
550.84	26.644
550.94	26.645
551.	
551.01	
551.02	
551.05	
551.14	26.646
551.24	26.647
551.34	
551.44	26.648
551.54	26.649
551.64	
551.74	26.65
551.84	26.651
551.94	
552.	26.652
552.01	
552.02	
552.05	
552.14	26.653
552.24	
552.34	26.654
552.44	
552.54	26.655
552.64	26.656
552.74	

552.84	26.657
552.94	26.658
553.	
553.01	
553.02	
553.05	
553.14	26.659
553.24	26.66
553.34	
553.44	26.661
553.54	26.662
553.64	
553.74	26.663
553.84	26.664
553.94	
554.	26.665
554.01	
554.02	
554.05	
554.14	
554.24	26.666
554.34	26.667
554.44	
554.54	26.668
554.64	26.669
554.74	
554.84	26.67
554.94	26.671
555.	
555.01	
555.02	
555.05	
555.14	26.672
555.24	26.673
555.34	
555.44	26.674
555.54	26.675
555.64	
555.74	26.676
555.84	
555.94	26.677
556.	
556.01	26.678
556.02	
556.05	
556.14	
556.24	26.679
556.34	26.68
556.44	
556.54	26.681
556.64	26.682
556.74	
556.84	26.683
556.94	
557.	26.684
557.01	
557.02	
557.05	
557.14	26.685
557.24	

557.34	26.686
557.44	26.687
557.54	
557.64	26.688
557.74	26.689
557.84	
557.94	26.69
558.	
558.01	
558.02	
558.05	26.691
558.14	
558.24	26.692
558.34	
558.44	26.693
558.54	26.694
558.64	
558.74	26.695
558.84	26.696
558.94	
559.	26.697
559.01	
559.02	
559.05	
559.14	26.698
559.24	
559.34	26.699
559.44	
559.54	26.7
559.64	26.701
559.74	
559.84	26.702
559.94	26.703
560.	
560.4	26.706
560.8	26.708
562.	26.716
565.6	26.738
569.6	26.763
573.6	26.787
577.6	26.812
581.6	26.836
585.6	26.859
589.6	26.883
593.6	26.906
597.6	26.929
600.	26.942
606.	26.976
612.	27.009
630.	27.104
684.	27.366
744.	27.592

	23.889	
804.		27.783
864.		27.944
924.		28.077
984.		28.187
1044.		28.275
1104.		28.344
1164.		28.395
1200.		28.427
1212.		28.436
1224.		28.443
1260.		28.466
1368.		28.475
1476.		28.453
1596.		28.398
1716.		28.318
1836.		28.218
1956.		28.103
2076.		27.975
2196.		27.838
2316.		27.695
2400.		27.592
2412.		27.577
2424.		27.563
2460.		27.521
2568.		27.383
2676.	23.89	27.245
2796.		27.091
2916.		26.938
3036.		26.786
3156.		26.636
3276.		26.488
3396.		26.343
3516.		26.201
3600.		26.103
3612.		26.09
3624.		26.076
3660.		26.036
3768.		25.916
3876.		25.842
3996.		25.76
4116.		25.678
4236.		25.597
4356.		25.517
4476.		25.437
4596.		25.363
4716.		25.304
4800.		25.27
4812.		25.265
4824.		25.261
4860.		25.246
4968.		25.203
5076.		25.159
5196.		25.11
5316.		25.064
5436.		25.017
5556.	23.891	24.971
5676.		24.925
5796.		24.895
5916.		24.864

6000.		24.843
6012.		24.84
6024.		24.836
6060.		24.827
6168.		24.799
6276.	23.862	24.77
6396.	23.795	24.739
6516.	23.73	24.707
6636.	23.667	24.679
6756.	23.606	24.653
6876.	23.547	24.633
6996.	23.49	24.612
7116.	23.434	24.591
7200.	23.398	24.576
7212.	23.392	24.574
7224.	23.387	24.572
7260.	23.371	24.566
7368.	23.324	24.547
7476.	23.281	24.529
7596.	23.232	24.508
7716.	23.184	24.487
7836.	23.141	24.47
7956.	23.098	24.456
8076.	23.057	24.442
8196.	23.017	24.427
8316.	22.979	24.412
8400.	22.952	24.402
8412.	22.948	24.4
8424.	22.944	24.399
8460.	22.932	24.394
8568.	22.899	24.38
8688.	22.864	24.366
8808.	22.83	24.352
8928.	22.797	24.341
9048.	22.764	24.331
9168.	22.733	24.32
9288.	22.702	24.31
9408.	22.672	24.299
9528.	22.643	24.288
9600.	22.625	24.282
9612.	22.622	24.281
9624.	22.619	24.28
9660.	22.61	24.277
9768.	22.584	24.267
9888.	22.557	24.256
10008	22.53	24.248
10128	22.504	24.24
10248	22.478	24.233
10368	22.453	24.225
10488	22.428	24.217
10608	22.404	24.209
10728	22.38	24.201
10800	22.366	24.196

FIGURE 15
Model (O4) > Transient Thermal (O5) > Solution (O6) > Permacon T

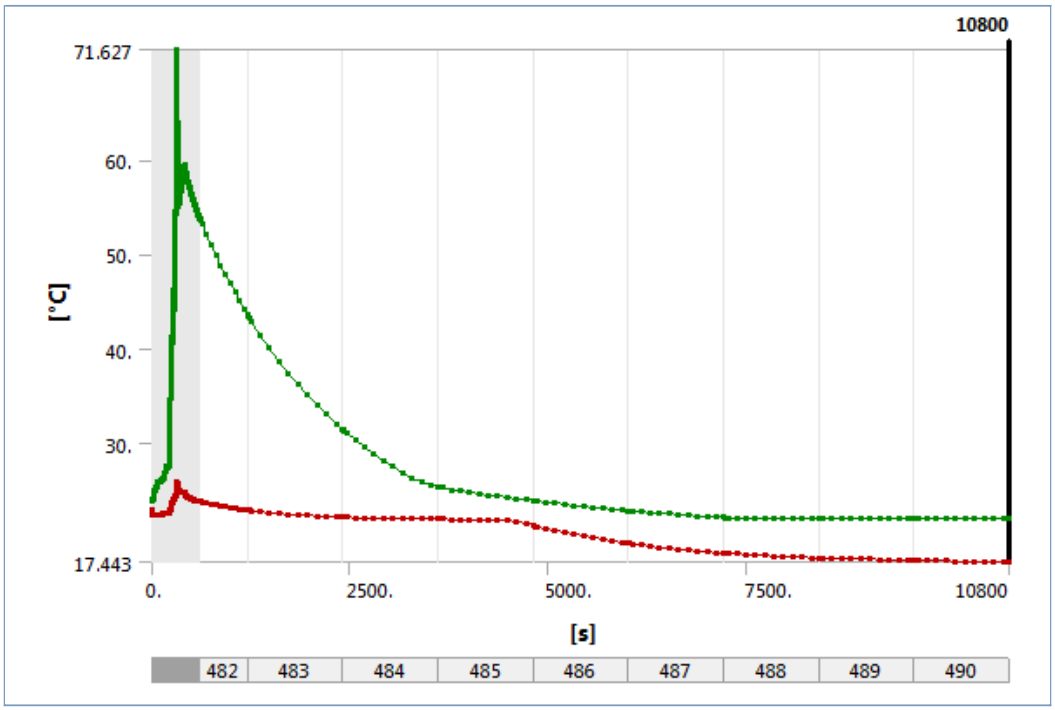

TABLE 26
Model (O4) > Transient Thermal (O5) > Solution (O6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.995	23.985
4.e-002	22.747	24.027
0.1	22.575	24.039
0.28	22.478	24.032
0.48	22.446	
0.68	22.432	24.037
0.88	22.423	24.039
1.08	22.418	24.04
1.28	22.413	
1.48	22.41	
1.68	22.408	24.039
1.88	22.406	24.038
2.	22.405	
2.02		
2.04		24.037
2.1		
2.28	22.404	24.036
2.48	22.403	24.035
2.68	22.402	24.033
2.88	22.401	24.032
3.08		24.03
3.28		24.028
3.48	22.4	24.027
3.68		24.025
3.88		24.024
4.		24.023
4.02		24.022
4.04		
4.1	22.399	
4.28		24.02
4.48		24.019
4.68		24.017
4.88		24.015

5.08		24.014
5.28	22.398	24.012
5.48		24.01
5.68		24.009
5.88		24.007
6.		24.006
6.02		
6.04		
6.1		24.005
6.28		
6.48	22.397	24.004
6.68		
6.88		
7.08		
7.28		
7.48		
7.68	22.396	
7.88		
8.		
8.02		
8.04		
8.1		24.003
8.28		
8.48		
8.68	22.395	
8.88		
9.08		
9.28		24.002
9.48	22.394	
9.68		
9.88		
10.		24.001
10.02		
10.04		
10.1		
10.28	22.393	
10.48		
10.68		
10.88		24.
11.08	22.392	
11.28		
11.48		
11.68		23.999
11.88	22.391	
12.		
12.02		
12.04		
12.1		23.998
12.28		
12.48		
12.68	22.39	
12.88		
13.08		
13.28		23.997
13.48		
13.68		
13.88		
14.		
14.02		
14.04		

14.1		
14.28		23.998
14.48		
14.68	22.391	
14.88		24.011
15.08	22.392	24.046
15.28		24.083
15.48	22.393	24.122
15.68	22.394	24.163
15.88	22.395	24.206
16.	22.396	24.232
16.02		24.236
16.04		24.24
16.1		24.252
16.28	22.397	24.28
16.48	22.399	24.307
16.68	22.4	24.331
16.88	22.402	24.354
17.08	22.404	24.376
17.28	22.405	24.396
17.48	22.407	24.415
17.68	22.409	24.432
17.88	22.41	24.447
18.	22.411	24.456
18.02		24.458
18.04		24.459
18.1	22.412	24.465
18.28	22.413	24.482
18.48	22.415	24.502
18.68	22.416	24.524
18.88	22.418	24.546
19.08	22.419	24.569
19.28	22.421	24.593
19.48	22.422	24.617
19.68	22.424	24.641
19.88	22.425	24.666
20.	22.426	24.681
20.02		24.684
20.04		24.686
20.1	22.427	24.692
20.28	22.428	24.707
20.48	22.429	24.72
20.68	22.431	24.729
20.88	22.432	24.737
21.08	22.434	24.742
21.28	22.435	24.746
21.48	22.436	24.748
21.68	22.437	
21.88	22.438	24.747
22.	22.439	24.745
22.02		
22.04		
22.1		
22.28	22.44	24.747
22.48	22.441	24.751
22.68		24.756
22.88	22.442	24.761
23.08	22.443	24.767
23.28		24.773
23.48	22.444	24.779

23.68		24.786
23.88	22.445	24.793
24.		24.797
24.02		24.798
24.04		
24.1		24.8
24.28		24.803
24.48	22.446	24.804
24.68		24.805
24.88	22.447	24.804
25.08		24.802
25.28		24.799
25.48		24.796
25.68		24.792
25.88	22.448	24.787
26.		24.784
26.02		
26.04		24.783
26.1		
26.28		24.786
26.48		24.792
26.68		24.801
26.88		24.812
27.08		24.824
27.28		24.839
27.48		24.854
27.68		24.871
27.88		24.889
28.		24.9
28.02		24.902
28.04		24.904
28.1		24.908
28.28	22.449	24.919
28.48		24.927
28.68		24.933
28.88	22.45	24.938
29.08		24.941
29.28		24.943
29.48	22.451	24.944
29.68		24.943
29.88		24.942
30.		24.941
30.02		
30.04		
30.1		
30.28	22.452	24.942
30.48		24.943
30.68		24.946
30.88		24.949
31.08		24.952
31.28		24.955
31.48		24.959
31.68		24.964
31.88	22.453	24.968
32.		24.971
32.02		
32.04		24.972
32.1		
32.28		24.974
32.48		

32.68		24.973
32.88		24.971
33.08		24.968
33.28		24.965
33.48		24.962
33.68	22.452	24.957
33.88		24.953
34.		24.95
34.02		24.949
34.04		
34.1		24.948
34.28		24.946
34.48		
34.68	22.451	24.947
34.88		24.948
35.08		24.95
35.28		24.952
35.48	22.45	24.954
35.68		24.957
35.88		24.961
36.		24.963
36.02		
36.04		
36.1		24.964
36.28	22.449	24.967
36.48		24.97
36.68		24.974
36.88		24.977
37.08		24.98
37.28		24.983
37.48		24.987
37.68	22.448	24.99
37.88		24.993
38.		24.996
38.02		
38.04		24.997
38.1		24.998
38.28		25.
38.48		25.002
38.68		25.004
38.88		25.005
39.08		25.007
39.28		25.008
39.48		25.009
39.68		
39.88		25.01
40.	22.447	
40.02		
40.04		
40.1		25.011
40.28		25.016
40.48		25.023
40.68		25.032
40.88		25.042
41.08		25.053
41.28		25.065
41.48		25.078
41.68		25.092
41.88		25.106
42.		25.115

42.02	22.448	25.116
42.04		25.118
42.1		25.122
42.28		25.131
42.48		25.14
42.68	22.449	25.148
42.88		25.155
43.08		25.161
43.28	22.45	25.167
43.48		25.172
43.68	22.451	25.177
43.88		25.182
44.		25.185
44.02		
44.04		
44.1		25.186
44.28	22.452	25.189
44.48		25.191
44.68		25.192
44.88	22.453	25.193
45.08		
45.28		
45.48		
45.68	22.454	25.192
45.88		25.19
46.		25.189
46.02		
46.04		
46.1		
46.28		
46.48		
46.68		
46.88		25.19
47.08		
47.28		25.191
47.48		25.192
47.68		25.193
47.88		25.194
48.		
48.02		
48.04		25.195
48.1		
48.28		25.199
48.48		25.204
48.68		25.21
48.88		25.217
49.08		25.225
49.28		25.233
49.48		25.242
49.68		25.252
49.88		25.262
50.		25.268
50.02		25.269
50.04		25.27
50.1		25.273
50.28	22.455	25.28
50.48		25.288
50.68		25.295
50.88		25.302
51.08		25.309

51.28	22.456	25.316
51.48		25.323
51.68		25.329
51.88	22.457	25.336
52.		25.34
52.02		
52.04		25.341
52.1		25.342
52.28		25.345
52.48	22.458	25.348
52.68		25.349
52.88		
53.08	22.459	
53.28		25.347
53.48		25.346
53.68		25.344
53.88	22.46	25.341
54.		25.339
54.02		
54.04		
54.1		25.338
54.28		25.336
54.48		25.335
54.68		25.334
54.88		
55.08		25.333
55.28		25.332
55.48		
55.68		25.331
55.88		
56.		25.33
56.02		
56.04		
56.1		
56.28		25.333
56.48	22.459	25.337
56.68		25.341
56.88		25.347
57.08		25.353
57.28		25.36
57.48		25.368
57.68		25.376
57.88		25.384
58.		25.389
58.02		25.39
58.04		25.391
58.1		25.393
58.28	22.46	25.4
58.48		25.406
58.68		25.412
58.88		25.417
59.08		25.423
59.28	22.461	25.428
59.48		25.433
59.68		25.438
59.88		25.443
60.		25.446
60.02		
60.04		25.447
60.1		25.448

60.28	22.462	25.451
60.48		25.453
60.68		25.454
60.88	22.463	25.455
61.08		
61.28		25.456
61.48		25.455
61.68		25.454
61.88	22.464	25.453
62.		
62.02		
62.04		
62.1		
62.28		25.455
62.48		25.459
62.68		25.464
62.88		25.47
63.08		25.477
63.28		25.484
63.48		25.492
63.68	22.465	25.5
63.88		25.509
64.		25.514
64.02		25.515
64.04		25.516
64.1		25.519
64.28		25.53
64.48		25.544
64.68	22.466	25.56
64.88		25.576
65.08	22.467	25.593
65.28		25.612
65.48	22.468	25.631
65.68		25.651
65.88	22.469	25.671
66.		25.684
66.02		25.686
66.04		25.688
66.1	22.47	25.693
66.28		25.703
66.48	22.471	25.712
66.68	22.472	25.717
66.88	22.473	25.721
67.08	22.474	25.723
67.28		
67.48	22.475	
67.68	22.476	25.721
67.88	22.477	25.717
68.		25.715
68.02		
68.04		25.714
68.1		
68.28	22.478	25.716
68.48		25.72
68.68	22.479	25.725
68.88		25.731
69.08	22.48	25.738
69.28		25.746
69.48		25.755
69.68		25.763

69.88	22.481	25.773
70.		25.779
70.02		
70.04		25.78
70.1	22.482	25.783
70.28		25.788
70.48		25.793
70.68	22.483	25.796
70.88		25.799
71.08	22.484	25.801
71.28		25.803
71.48		25.804
71.68	22.485	25.805
71.88		
72.		
72.02		
72.04		
72.1	22.486	25.806
72.28		25.809
72.48		25.815
72.68		25.821
72.88	22.487	25.829
73.08		25.837
73.28		25.846
73.48		25.856
73.68	22.488	25.866
73.88		25.876
74.		25.883
74.02		25.884
74.04		25.885
74.1	22.489	25.888
74.28		25.896
74.48		25.903
74.68	22.49	25.911
74.88		25.918
75.08	22.491	25.924
75.28		25.931
75.48	22.492	25.937
75.68		25.943
75.88	22.493	25.949
76.		25.952
76.02		25.953
76.04		
76.1		25.954
76.28	22.494	25.956
76.48		25.957
76.68		
76.88	22.495	25.956
77.08		25.954
77.28		25.952
77.48	22.496	25.948
77.68		25.944
77.88		25.94
78.		25.937
78.02		
78.04		25.936
78.1		25.935
78.28		
78.48		
78.68		25.937

78.88		25.939
79.08		25.942
79.28		25.945
79.48		25.949
79.68		25.954
79.88		25.958
80.		25.961
80.02	22.497	25.962
80.04		
80.1		25.963
80.28		25.965
80.48		25.967
80.68		25.968
80.88		25.969
81.08		
81.28		
81.48		
81.68		25.968
81.88		25.967
82.		
82.02		
82.04		
82.1	22.498	25.966
82.28		25.964
82.48		25.96
82.68		25.956
82.88		25.951
83.08		25.946
83.28		25.94
83.48		25.934
83.68		25.928
83.88		25.921
84.		25.917
84.02	22.497	25.916
84.04		25.915
84.1		25.913
84.28		25.909
84.48		25.905
84.68		25.902
84.88	22.496	25.899
85.08		25.896
85.28		25.894
85.48	22.495	25.892
85.68		25.89
85.88		25.888
86.		
86.02		25.887
86.04	22.494	
86.1		
86.28		
86.48		25.888
86.68		25.89
86.88	22.493	25.893
87.08		25.895
87.28		25.899
87.48		25.902
87.68		25.906
87.88		25.911
88.		25.913
88.02		25.914

88.04		
88.1		25.915
88.28		25.916
88.48		
88.68		25.915
88.88		25.913
89.08		25.911
89.28	22.492	25.908
89.48		25.905
89.68		25.902
89.88		25.898
90.		25.895
90.02		
90.04		25.894
90.1		25.893
90.28		25.89
90.48		25.887
90.68		25.884
90.88	22.491	25.881
91.08		25.878
91.28		25.875
91.48		25.872
91.68		25.869
91.88		25.866
92.		25.865
92.02	22.49	25.864
92.04		
92.1		
92.28		
92.48		25.865
92.68		25.866
92.88		25.869
93.08		25.872
93.28		25.876
93.48		25.88
93.68		25.885
93.88		25.89
94.		25.893
94.02		25.894
94.04		
94.1		25.895
94.28		25.898
94.48		25.899
94.68		25.9
94.88		25.901
95.08		
95.28		
95.48		25.9
95.68		25.899
95.88		25.898
96.		25.897
96.02		
96.04		
96.1		
96.28		25.896
96.48		
96.68		
96.88		
97.08		
97.28		

97.48		
97.68		
97.88		
98.		
98.02		25.897
98.04		
98.1		
98.28		
98.48		
98.68		25.896
98.88		25.895
99.08		
99.28		25.894
99.48		25.893
99.68		25.891
99.88		25.89
100.		
100.02		
100.04		25.889
100.1	22.489	
100.28		25.888
100.48		25.887
100.68		25.886
100.88		25.885
101.08		
101.28		25.884
101.48		25.883
101.68		25.882
101.88		
102.		25.881
102.02		
102.04		
102.1		25.88
102.28		
102.48		25.879
102.68		25.878
102.88		
103.08		25.877
103.28		25.876
103.48		
103.68		25.875
103.88		
104.		
104.02		
104.04		
104.1		25.874
104.28		
104.48		
104.68		
104.88	22.488	
105.08		25.875
105.28		
105.48		25.876
105.68		
105.88		25.877
106.		
106.02		
106.04		25.878
106.1		
106.28		25.88

106.48		25.882
106.68		25.884
106.88		25.887
107.08		25.89
107.28		25.894
107.48		25.897
107.68		25.901
107.88		25.905
108.		25.907
108.02		25.908
108.04		
108.1		25.91
108.28		25.914
108.48		25.92
108.68		25.927
108.88	22.489	25.933
109.08		25.941
109.28		25.948
109.48		25.956
109.68	22.49	25.964
109.88		25.972
110.		25.978
110.02		
110.04		25.979
110.1	22.491	25.982
110.28		25.988
110.48		25.994
110.68	22.492	25.999
110.88		26.005
111.08		26.01
111.28	22.493	26.015
111.48		26.019
111.68	22.494	26.024
111.88		26.028
112.		26.031
112.02	22.495	
112.04		
112.1		26.032
112.28		
112.48		26.031
112.68	22.496	26.028
112.88		26.025
113.08		26.02
113.28	22.497	26.015
113.48		26.009
113.68		26.002
113.88		25.994
114.		25.99
114.02		25.989
114.04		25.988
114.1	22.498	25.986
114.28		25.981
114.48		25.977
114.68		25.973
114.88		25.969
115.08		25.966
115.28		25.963
115.48	22.497	25.959
115.68		25.957
115.88		25.954

116.		
116.02		25.952
116.04		
116.1		25.951
116.28		25.952
116.48		25.953
116.68		25.956
116.88		25.96
117.08		25.964
117.28		25.969
117.48		25.975
117.68		25.981
117.88		25.987
118.	22.496	25.992
118.02		
118.04		25.993
118.1		25.995
118.28		25.999
118.48		26.004
118.68		26.008
118.88		26.012
119.08		26.015
119.28		26.019
119.48		26.022
119.68		26.025
119.88	22.497	26.028
120.		26.03
120.02		
120.04		26.031
120.1		26.032
120.28		26.034
120.48		26.036
120.68	22.498	26.038
120.88		26.04
121.08		26.042
121.28		26.044
121.48		26.045
121.68		26.046
121.88	22.499	26.048
122.		26.049
122.02		
122.04		
122.1		
122.28		
122.48		
122.68		26.048
122.88	22.5	26.047
123.08		26.046
123.28		26.045
123.48		26.043
123.68		26.041
123.88		26.039
124.		26.037
124.02		
124.04		
124.1		26.036
124.28		
124.48		26.035
124.68		
124.88		26.034

125.08	22.501	26.035
125.28		
125.48		
125.68		26.036
125.88		
126.		26.037
126.02		
126.04		
126.1		26.038
126.28		26.043
126.48		26.05
126.68		26.06
126.88		26.07
127.08		26.082
127.28		26.095
127.48		26.108
127.68	22.502	26.123
127.88		26.138
128.		26.148
128.02		26.149
128.04		26.151
128.1		26.154
128.28	22.503	26.161
128.48		26.166
128.68	22.504	26.169
128.88		
129.08	22.505	
129.28		26.167
129.48	22.506	26.164
129.68		26.16
129.88	22.507	26.155
130.		26.152
130.02		
130.04		26.151
130.1		26.15
130.28		26.147
130.48	22.508	26.146
130.68		26.144
130.88		26.143
131.08		26.142
131.28		26.141
131.48		26.14
131.68		
131.88	22.509	26.139
132.		
132.02		
132.04		
132.1		26.138
132.28		26.135
132.48		26.131
132.68		26.125
132.88		26.119
133.08		26.112
133.28		26.104
133.48	22.508	26.096
133.68		26.088
133.88		26.079
134.		26.073
134.02		26.072
134.04		26.071

134.1		26.07
134.28		26.068
134.48	22.507	
134.68		26.071
134.88		26.075
135.08		26.081
135.28	22.506	26.088
135.48		26.096
135.68		26.105
135.88		26.115
136.		26.121
136.02		26.122
136.04		26.123
136.1		26.126
136.28		26.136
136.48		26.147
136.68		26.159
136.88	22.507	26.172
137.08		26.185
137.28		26.198
137.48	22.508	26.212
137.68		26.226
137.88		26.241
138.	22.509	26.25
138.02		26.252
138.04		26.253
138.1		26.256
138.28	22.51	26.263
138.48		26.267
138.68	22.511	26.269
138.88		26.268
139.08	22.512	26.267
139.28	22.513	26.263
139.48		26.259
139.68	22.514	26.254
139.88		26.247
140.		26.243
140.02		26.242
140.04		
140.1		26.241
140.28	22.515	26.242
140.48		26.247
140.68		26.254
140.88	22.516	26.263
141.08		26.274
141.28		26.286
141.48		26.299
141.68	22.517	26.313
141.88		26.328
142.	22.518	26.337
142.02		26.338
142.04		26.34
142.1		26.343
142.28		26.35
142.48	22.519	26.356
142.68		26.359
142.88	22.52	26.361
143.08		
143.28	22.521	26.36
143.48		26.359

143.68	22.522	26.356
143.88		26.353
144.	22.523	26.35
144.02		
144.04		
144.1		26.349
144.28		26.35
144.48		26.352
144.68	22.524	26.356
144.88		26.36
145.08		26.365
145.28	22.525	26.371
145.48		26.377
145.68		26.383
145.88		26.391
146.	22.526	26.395
146.02		26.396
146.04		
146.1		26.398
146.28		26.402
146.48		26.406
146.68	22.527	26.409
146.88		26.412
147.08		26.414
147.28	22.528	26.416
147.48		26.418
147.68		26.419
147.88	22.529	26.421
148.		
148.02		
148.04		
148.1		26.422
148.28		26.424
148.48	22.53	26.426
148.68		26.429
148.88		26.432
149.08		26.436
149.28	22.531	26.439
149.48		26.442
149.68		26.446
149.88		26.45
150.	22.532	26.452
150.02		
150.04		26.453
150.1		26.454
150.28		26.459
150.48		26.464
150.68		26.471
150.88	22.533	26.477
151.08		26.487
151.28		26.502
151.48	22.534	26.521
151.68		26.544
151.88	22.535	26.569
152.		26.585
152.02		26.587
152.04		26.59
152.1		26.595
152.28	22.536	26.605
152.48	22.537	26.611

152.68		26.612
152.88	22.538	26.61
153.08	22.539	26.606
153.28	22.54	26.598
153.48		26.588
153.68	22.541	26.575
153.88		26.56
154.		26.551
154.02		26.55
154.04		26.549
154.1	22.542	26.547
154.28		26.549
154.48		26.559
154.68		26.574
154.88	22.543	26.593
155.08		26.614
155.28		26.635
155.48	22.544	26.656
155.68		26.678
155.88	22.545	26.701
156.		26.715
156.02		26.718
156.04		26.72
156.1		26.724
156.28	22.546	26.733
156.48	22.547	26.736
156.68	22.548	26.735
156.88		26.732
157.08	22.549	26.727
157.28	22.55	26.726
157.48		26.725
157.68	22.551	
157.88	22.552	26.726
158.		
158.02		
158.04		
158.1		
158.28	22.553	26.728
158.48		26.73
158.68		26.733
158.88	22.554	26.736
159.08		26.74
159.28	22.555	26.747
159.48		26.757
159.68		26.767
159.88	22.556	26.779
160.		26.787
160.01		26.788
160.02		
160.05		26.79
160.14		26.798
160.24	22.557	26.807
160.34		26.818
160.44		26.829
160.54		26.84
160.64	22.558	26.852
160.74		26.865
160.84		26.879
160.94		26.893
161.		26.901

161.01	22.559	26.902
161.02		26.904
161.05		26.907
161.14		26.913
161.24	22.56	26.917
161.34		26.918
161.44	22.561	26.917
161.54		26.915
161.64		26.911
161.74	22.562	26.905
161.84		26.898
161.94	22.563	26.89
162.		26.885
162.01		
162.02		26.884
162.05		26.882
162.14		26.877
162.24	22.564	26.873
162.34		26.87
162.44		26.868
162.54	22.565	26.867
162.64		26.866
162.74		26.865
162.84	22.566	26.864
162.94		
163.		
163.01		
163.02		26.863
163.05		26.864
163.14		
163.24		26.865
163.34		26.866
163.44	22.567	26.868
163.54		26.87
163.64		26.872
163.74		26.874
163.84		26.876
163.94		26.879
164.		26.881
164.01		
164.02		
164.05		26.883
164.14		26.889
164.24	22.568	26.897
164.34		26.908
164.44		26.919
164.54		26.932
164.64		26.946
164.74		26.96
164.84	22.569	26.976
164.94		26.992
165.		27.003
165.01		27.004
165.02		27.006
165.05		27.01
165.14		27.023
165.24	22.57	27.035
165.34		27.046
165.44	22.571	27.058
165.54		27.069

165.64		27.08
165.74	22.572	27.09
165.84		27.1
165.94	22.573	27.109
166.		27.115
166.01		27.116
166.02		27.117
166.05		27.119
166.14	22.574	27.123
166.24		27.125
166.34	22.575	
166.44		27.123
166.54	22.576	27.12
166.64		27.115
166.74	22.577	27.11
166.84		27.102
166.94	22.578	27.094
167.		27.089
167.01		27.088
167.02		27.087
167.05		27.085
167.14	22.579	27.08
167.24		27.075
167.34	22.58	27.072
167.44		27.069
167.54		27.067
167.64	22.581	27.065
167.74		27.063
167.84		27.062
167.94		27.061
168.		27.06
168.01		
168.02		
168.05	22.582	27.059
168.14		27.056
168.24		27.052
168.34		27.046
168.44		27.039
168.54		27.032
168.64		27.024
168.74		27.016
168.84	22.583	27.006
168.94		26.997
169.		26.991
169.01		26.99
169.02		26.989
169.05		26.988
169.14		26.989
169.24		26.995
169.34		27.005
169.44		27.018
169.54		27.034
169.64		27.052
169.74		27.073
169.84		27.095
169.94		27.12
170.		27.135
170.01		27.138
170.02		27.141
170.05		27.148

170.14		27.167
170.24		27.187
170.34		27.205
170.44	22.584	27.223
170.54		27.239
170.64		27.255
170.74	22.585	27.271
170.84		27.286
170.94	22.586	27.3
171.		27.309
171.01		27.311
171.02		27.312
171.05		27.315
171.14	22.587	27.322
171.24		27.327
171.34	22.588	27.328
171.44		27.327
171.54	22.589	27.324
171.64	22.59	27.319
171.74		27.313
171.84	22.591	27.305
171.94		27.295
172.	22.592	27.289
172.01		27.288
172.02		27.287
172.05		27.285
172.14		27.28
172.24	22.593	27.277
172.34		27.275
172.44	22.594	
172.54		
172.64		27.277
172.74	22.595	27.279
172.84		27.282
172.94		27.286
173.	22.596	27.288
173.01		27.289
173.02		
173.05		27.29
173.14		27.293
173.24		27.295
173.34	22.597	27.297
173.44		27.299
173.54		27.3
173.64		27.302
173.74	22.598	27.303
173.84		27.304
173.94		27.305
174.		27.306
174.01		
174.02		
174.05		27.307
174.14	22.599	27.309
174.24		27.313
174.34		27.318
174.44		27.323
174.54	22.6	27.329
174.64		27.335
174.74		27.342
174.84		27.349

174.94		27.357
175.	22.601	27.362
175.01		
175.02		27.363
175.05		27.365
175.14		27.369
175.24		27.373
175.34	22.602	27.375
175.44		27.377
175.54		27.378
175.64		
175.74	22.603	
175.84		27.377
175.94		27.376
176.		27.375
176.01		
176.02		
176.05		
176.14	22.604	27.379
176.24		27.385
176.34		27.394
176.44		27.405
176.54	22.605	27.417
176.64		27.431
176.74		27.446
176.84	22.606	27.462
176.94		27.479
177.		27.489
177.01		27.491
177.02		27.492
177.05		27.497
177.14	22.607	27.506
177.24		27.513
177.34		27.517
177.44	22.608	27.519
177.54		
177.64	22.609	27.517
177.74		27.514
177.84		27.51
177.94	22.61	27.504
178.		27.5
178.01		
178.02		27.499
178.05		27.498
178.14	22.611	
178.24		27.5
178.34		27.504
178.44	22.612	27.51
178.54		27.518
178.64		27.526
178.74	22.613	27.536
178.84		27.547
178.94		27.558
179.	22.614	27.566
179.01		27.567
179.02		27.568
179.05		27.57
179.14		27.572
179.24	22.615	27.57
179.34		27.564

179.44		27.555
179.54	22.616	27.543
179.64		27.529
179.74		27.513
179.84		27.494
179.94	22.617	27.474
180.		27.462
180.01		27.46
180.02		27.458
180.05		27.452
180.14		27.44
180.24		27.429
180.34		27.42
180.44		27.414
180.54		27.409
180.64		27.405
180.74		27.402
180.84		27.401
180.94		27.4
181.		
181.01		
181.02		
181.05		
181.14		27.401
181.24		27.402
181.34		27.404
181.44	22.616	27.407
181.54		27.41
181.64		27.414
181.74		27.418
181.84		27.423
181.94		27.428
182.		27.432
182.01		
182.02		27.433
182.05		27.434
182.14		27.438
182.24		27.441
182.34		27.444
182.44	22.615	27.446
182.54		27.449
182.64		27.451
182.74		27.452
182.84		27.454
182.94		27.456
183.		27.457
183.01		
183.02		
183.05		27.458
183.14	22.616	27.462
183.24		27.469
183.34		27.476
183.44		27.485
183.54		27.495
183.64		27.506
183.74		27.517
183.84		27.53
183.94		27.543
184.		27.551
184.01		27.552

184.02		27.553
184.05		27.556
184.14	22.617	27.562
184.24		27.566
184.34		27.567
184.44		27.565
184.54	22.618	27.562
184.64		27.558
184.74		27.552
184.84		27.545
184.94	22.619	27.536
185.		27.531
185.01		27.53
185.02		27.529
185.05		27.527
185.14		27.523
185.24		27.52
185.34		27.518
185.44	22.62	27.517
185.54		
185.64		27.518
185.74		27.52
185.84		27.522
185.94		27.525
186.		27.527
186.01		
186.02		
186.05		27.528
186.14		27.526
186.24	22.621	27.521
186.34		27.514
186.44		27.506
186.54		27.496
186.64		27.485
186.74		27.472
186.84		27.459
186.94		27.444
187.		27.435
187.01		27.434
187.02		27.433
187.05		27.429
187.14		27.418
187.24		27.409
187.34	22.62	27.4
187.44		27.393
187.54		27.386
187.64		27.38
187.74		27.374
187.84		27.369
187.94	22.619	27.364
188.		27.361
188.01		
188.02		
188.05		27.359
188.14		27.355
188.24		27.35
188.34	22.618	27.345
188.44		27.341
188.54		27.336
188.64		27.331

188.74	22.617	27.327
188.84		27.322
188.94		27.317
189.	22.616	27.315
189.01		27.314
189.02		
189.05		27.313
189.14		
189.24		27.314
189.34	22.615	27.318
189.44		27.322
189.54		27.329
189.64		27.336
189.74	22.614	27.344
189.84		27.353
189.94		27.363
190.		27.37
190.01		27.371
190.02		27.372
190.05		27.375
190.14		27.383
190.24	22.613	27.391
190.34		27.398
190.44		27.405
190.54		27.412
190.64		27.419
190.74		27.425
190.84		27.432
190.94		27.438
191.		27.442
191.01		
191.02		27.443
191.05		27.444
191.14		27.446
191.24		27.445
191.34	22.614	27.443
191.44		27.44
191.54		27.435
191.64		27.429
191.74		27.422
191.84		27.414
191.94		27.405
192.		27.399
192.01		27.398
192.02		27.397
192.05		27.394
192.14		27.388
192.24		27.381
192.34		27.375
192.44		27.37
192.54		27.365
192.64		27.36
192.74		27.355
192.84		27.351
192.94		27.347
193.		27.344
193.01		
193.02		27.343
193.05		27.342
193.14		27.339

193.24		27.335
193.34		27.332
193.44		27.329
193.54		27.326
193.64		27.323
193.74		27.321
193.84	22.613	27.318
193.94		27.316
194.		27.315
194.01		27.314
194.02		
194.05		
194.14		27.317
194.24		27.324
194.34		27.332
194.44		27.343
194.54	22.612	27.356
194.64		27.37
194.74		27.385
194.84		27.402
194.94		27.42
195.		27.431
195.01		27.433
195.02		27.435
195.05		27.439
195.14		27.448
195.24	22.613	27.453
195.34		27.455
195.44		27.454
195.54		27.451
195.64		27.445
195.74		27.438
195.84		27.429
195.94	22.614	27.418
196.		27.412
196.01		27.411
196.02		27.409
196.05		27.406
196.14		27.399
196.24		27.392
196.34		27.385
196.44		27.379
196.54		27.373
196.64		27.368
196.74	22.615	27.363
196.84		27.358
196.94		27.354
197.		27.351
197.01		27.35
197.02		
197.05		27.349
197.14		27.348
197.24		27.347
197.34		27.348
197.44		27.35
197.54		27.353
197.64		27.357
197.74		27.361
197.84		27.366
197.94		27.372

198.	22.614	27.376
198.01		
198.02		27.377
198.05		27.378
198.14		27.381
198.24		27.383
198.34		27.384
198.44		27.385
198.54		
198.64		27.384
198.74		27.383
198.84		27.381
198.94		27.379
199.		27.377
199.01		
199.02		
199.05		
199.14		
199.24		27.378
199.34		27.38
199.44		27.383
199.54	22.615	27.386
199.64		27.39
199.74		27.394
199.84		27.399
199.94		27.404
200.		27.407
200.01		27.408
200.02		
200.05		27.41
200.14		27.414
200.24		27.419
200.34		27.423
200.44		27.428
200.54		27.432
200.64		27.436
200.74	22.616	27.441
200.84		27.445
200.94		27.45
201.		27.452
201.01		27.453
201.02		
201.05		27.454
201.14		
201.24		27.451
201.34	22.617	27.446
201.44		27.44
201.54		27.433
201.64		27.424
201.74		27.414
201.84		27.407
201.94		27.406
202.		27.405
202.01		
202.02		
202.05		
202.14		27.406
202.24		27.408
202.34		27.41
202.44		27.413

202.54		27.416
202.64		27.419
202.74		27.423
202.84		27.426
202.94		27.43
203.		27.433
203.01		
203.02		27.434
203.05		
203.14		27.437
203.24		27.438
203.34		27.44
203.44		27.441
203.54		27.442
203.64		27.443
203.74		
203.84		27.444
203.94		
204.		
204.01		
204.02		
204.05		
204.14		27.445
204.24		
204.34		27.446
204.44		27.447
204.54		27.448
204.64	22.618	27.449
204.74		27.45
204.84		
204.94		27.451
205.		27.452
205.01		
205.02		
205.05		27.453
205.14		27.455
205.24		27.457
205.34		27.46
205.44		27.463
205.54		27.467
205.64		27.47
205.74		27.474
205.84		27.478
205.94		27.482
206.		27.485
206.01		
206.02		27.486
206.05		27.487
206.14		27.49
206.24		27.493
206.34		27.496
206.44		27.499
206.54		27.502
206.64		27.505
206.74		27.507
206.84		27.51
206.94		27.513
207.	22.619	27.514
207.01		27.515
207.02		

207.05		27.516
207.14		27.518
207.24		27.521
207.34	22.62	27.523
207.44		27.526
207.54		27.528
207.64	22.621	27.531
207.74		27.533
207.84		27.536
207.94		27.538
208.	22.622	27.539
208.01		27.54
208.02		
208.05		27.541
208.14		27.543
208.24		27.545
208.34	22.623	27.548
208.44		27.551
208.54		27.555
208.64		27.558
208.74	22.624	27.561
208.84		27.564
208.94		27.566
209.	22.625	27.568
209.01		27.569
209.02		
209.05		27.57
209.14		27.575
209.24		27.583
209.34	22.626	27.591
209.44		27.601
209.54		27.611
209.64	22.627	27.622
209.74		27.634
209.84		27.647
209.94	22.628	27.66
210.		27.668
210.01		27.67
210.02		27.671
210.05		27.677
210.14		27.697
210.24	22.629	27.724
210.34		27.755
210.44	22.63	27.789
210.54		27.825
210.64	22.631	27.865
210.74	22.632	27.907
210.84		27.951
210.94	22.633	27.998
211.	22.634	28.026
211.01		28.031
211.02		28.035
211.05		28.047
211.14	22.635	28.073
211.24	22.636	28.093
211.34	22.637	28.107
211.44	22.638	28.114
211.54	22.639	28.117
211.64	22.64	28.115
211.74	22.642	28.11

211.84	22.643	28.101
211.94	22.644	28.089
212.	22.645	28.08
212.01		28.079
212.02		28.077
212.05		28.074
212.14	22.646	28.063
212.24	22.647	28.051
212.34	22.648	28.039
212.44	22.649	28.027
212.54	22.65	28.014
212.64	22.651	28.001
212.74	22.652	27.987
212.84		27.972
212.94	22.653	27.957
213.		27.948
213.01	22.654	27.947
213.02		27.946
213.05		27.945
213.14		27.956
213.24	22.655	27.981
213.34		28.018
213.44	22.656	28.064
213.54		28.117
213.64	22.657	28.178
213.74	22.658	28.246
213.84		28.319
213.94	22.659	28.398
214.	22.66	28.447
214.01		28.455
214.02		28.463
214.05		28.484
214.14	22.661	28.532
214.24	22.662	28.573
214.34	22.663	28.603
214.44	22.665	28.626
214.54	22.666	28.643
214.64	22.668	28.653
214.74	22.669	28.658
214.84	22.671	28.659
214.94	22.672	28.655
215.	22.673	28.652
215.01		28.651
215.02		
215.05	22.674	28.649
215.14	22.675	28.647
215.24	22.677	28.644
215.34	22.678	28.641
215.44	22.68	28.638
215.54	22.681	28.635
215.64	22.683	28.631
215.74	22.684	28.627
215.84	22.685	28.622
215.94	22.687	28.617
216.		28.613
216.01		
216.02	22.688	28.612
216.05		
216.14	22.689	28.616
216.24	22.69	28.626

216.34	22.691	28.639
216.44	22.692	28.656
216.54	22.693	28.676
216.64	22.694	28.698
216.74	22.695	28.723
216.84	22.696	28.749
216.94	22.697	28.778
217.	22.698	28.795
217.01		28.798
217.02		28.801
217.05		28.808
217.14	22.699	28.824
217.24	22.7	28.837
217.34	22.701	28.846
217.44	22.702	28.851
217.54	22.703	28.853
217.64	22.704	
217.74	22.705	28.851
217.84	22.706	28.846
217.94	22.707	28.84
218.	22.708	28.836
218.01		28.835
218.02		28.834
218.05		28.832
218.14	22.709	28.827
218.24	22.71	28.823
218.34	22.711	28.818
218.44	22.712	28.813
218.54		28.809
218.64	22.713	28.804
218.74	22.714	28.799
218.84	22.715	28.795
218.94		28.789
219.	22.716	28.786
219.01		
219.02		28.785
219.05		
219.14		28.788
219.24	22.717	28.796
219.34	22.718	28.807
219.44		28.821
219.54	22.719	28.838
219.64		28.857
219.74	22.72	28.878
219.84		28.9
219.94	22.721	28.925
220.		28.94
220.01		28.943
220.02		28.945
220.05		28.951
220.14	22.722	28.964
220.24		28.974
220.34	22.723	28.98
220.44		28.982
220.54	22.724	
220.64	22.725	28.979
220.74		28.975
220.84	22.726	28.968
220.94		28.96
221.		28.954

221.01	22.727	28.953
221.02		
221.05		28.951
221.14	22.728	28.953
221.24		28.959
221.34	22.729	28.97
221.44		28.984
221.54	22.73	29.
221.64		29.019
221.74	22.731	29.04
221.84	22.732	29.063
221.94		29.088
222.	22.733	29.104
222.01		29.106
222.02		29.109
222.05		29.117
222.14		29.144
222.24	22.734	29.177
222.34	22.735	29.212
222.44		29.249
222.54	22.736	29.287
222.64	22.737	29.328
222.74	22.738	29.37
222.84	22.739	29.414
222.94	22.74	29.459
223.	22.741	29.487
223.01		29.491
223.02		29.496
223.05		29.509
223.14	22.742	29.549
223.24	22.744	29.593
223.34	22.745	29.636
223.44	22.746	29.679
223.54	22.748	29.722
223.64	22.749	29.765
223.74	22.751	29.809
223.84	22.753	29.852
223.94	22.755	29.896
224.	22.756	29.923
224.01		29.927
224.02		29.932
224.05	22.757	29.947
224.14	22.758	29.998
224.24	22.76	30.062
224.34	22.762	30.131
224.44	22.764	30.205
224.54	22.767	30.282
224.64	22.769	30.364
224.74	22.771	30.449
224.84	22.774	30.538
224.94	22.777	30.629
225.	22.778	30.685
225.01	22.779	30.695
225.02		30.704
225.05	22.78	30.729
225.14	22.782	30.796
225.24	22.785	30.862
225.34	22.788	30.922
225.44	22.792	30.976
225.54	22.795	31.026

225.64	22.798	31.072
225.74	22.802	31.115
225.84	22.805	31.154
225.94	22.809	31.191
226.	22.811	31.212
226.01		31.216
226.02		31.22
226.05	22.812	31.232
226.14	22.816	31.274
226.24	22.819	31.326
226.34	22.823	31.382
226.44	22.826	31.441
226.54	22.83	31.503
226.64	22.834	31.567
226.74	22.837	31.633
226.84	22.841	31.701
226.94	22.845	31.771
227.	22.847	31.814
227.01	22.848	31.821
227.02		31.828
227.05	22.849	31.851
227.14	22.852	31.921
227.24	22.856	32.004
227.34	22.86	32.089
227.44	22.864	32.178
227.54	22.868	32.27
227.64	22.872	32.365
227.74	22.877	32.462
227.84	22.881	32.561
227.94	22.885	32.663
228.	22.888	32.724
228.01	22.889	32.734
228.02		32.744
228.05	22.89	32.772
228.14	22.894	32.848
228.24	22.899	32.922
228.34	22.904	32.99
228.44	22.909	33.051
228.54	22.914	33.108
228.64	22.918	33.16
228.74	22.923	33.209
228.84	22.928	33.254
228.94	22.933	33.296
229.	22.936	33.32
229.01	22.937	33.324
229.02		33.329
229.05	22.939	33.344
229.14	22.943	33.402
229.24	22.948	33.479
229.34	22.953	33.564
229.44	22.958	33.657
229.54	22.963	33.757
229.64	22.968	33.862
229.74	22.973	33.972
229.84	22.978	34.087
229.94	22.983	34.207
230.	22.987	34.28
230.01		34.292
230.02	22.988	34.303
230.05	22.989	34.337

230.14	22.994	34.425
230.24	22.999	34.513
230.34	23.005	34.592
230.44	23.01	34.665
230.54	23.016	34.732
230.64	23.022	34.794
230.74	23.027	34.851
230.84	23.033	34.905
230.94	23.039	34.955
231.	23.042	34.984
231.01	23.043	34.989
231.02		34.994
231.05	23.045	35.008
231.14	23.05	35.051
231.24	23.056	35.096
231.34	23.061	35.14
231.44	23.067	35.183
231.54	23.072	35.224
231.64	23.078	35.264
231.74	23.083	35.302
231.84	23.089	35.339
231.94	23.094	35.375
232.	23.097	35.396
232.01		35.399
232.02	23.098	35.403
232.05	23.1	35.412
232.14	23.104	35.437
232.24	23.109	35.459
232.34	23.114	35.479
232.44	23.119	35.494
232.54	23.123	35.507
232.64	23.128	35.518
232.74	23.133	35.525
232.84	23.137	35.53
232.94	23.141	35.533
233.	23.144	35.534
233.01		
233.02		
233.05	23.146	
233.14	23.149	35.53
233.24	23.153	35.523
233.34	23.157	35.512
233.44	23.16	35.499
233.54	23.164	35.483
233.64	23.167	35.464
233.74	23.17	35.444
233.84	23.173	35.42
233.94	23.176	35.395
234.	23.178	35.379
234.01		35.376
234.02		35.373
234.05	23.179	35.366
234.14	23.181	35.342
234.24	23.183	35.317
234.34	23.186	35.291
234.44	23.188	35.264
234.54	23.19	35.237
234.64	23.191	35.209
234.74	23.193	35.18
234.84	23.194	35.15

234.94	23.196	35.12
235.		35.101
235.01		35.098
235.02	23.197	35.096
235.05		35.089
235.14	23.198	35.08
235.24	23.199	35.079
235.34	23.2	35.086
235.44		35.1
235.54	23.201	35.119
235.64	23.202	35.143
235.74		35.172
235.84	23.203	35.205
235.94	23.204	35.241
236.		35.265
236.01		35.269
236.02		35.272
236.05		35.284
236.14	23.205	35.322
236.24	23.206	35.366
236.34		35.412
236.44	23.207	35.46
236.54	23.208	35.51
236.64	23.209	35.562
236.74	23.21	35.616
236.84	23.211	35.672
236.94	23.212	35.73
237.	23.213	35.765
237.01		35.771
237.02		35.777
237.05	23.214	35.793
237.14	23.215	35.836
237.24	23.217	35.879
237.34	23.218	35.919
237.44	23.22	35.956
237.54	23.222	35.99
237.64	23.224	36.022
237.74	23.225	36.052
237.84	23.227	36.08
237.94	23.229	36.107
238.	23.231	36.123
238.01		36.126
238.02		36.128
238.05	23.232	36.137
238.14	23.233	36.166
238.24	23.235	36.201
238.34	23.238	36.237
238.44	23.24	36.276
238.54	23.242	36.316
238.64	23.244	36.356
238.74	23.246	36.399
238.84	23.249	36.442
238.94	23.251	36.485
239.	23.252	36.512
239.01		36.517
239.02	23.253	36.521
239.05		36.535
239.14	23.255	36.582
239.24	23.258	36.637
239.34	23.26	36.695

239.44	23.263	36.757
239.54	23.265	36.82
239.64	23.268	36.886
239.74	23.27	36.954
239.84	23.273	37.024
239.94	23.276	37.095
240.	23.278	37.139
240.01		37.146
240.02		37.153
240.05	23.279	37.174
240.14	23.282	37.233
240.24	23.285	37.294
240.34	23.288	37.353
240.44	23.291	37.41
240.54	23.294	37.465
240.64	23.298	37.519
240.74	23.301	37.572
240.84	23.304	37.623
240.94	23.308	37.674
241.	23.31	37.704
241.01		37.709
241.02		37.714
241.05	23.311	37.728
241.14	23.315	37.764
241.24	23.318	37.8
241.34	23.322	37.832
241.44	23.325	37.86
241.54	23.329	37.885
241.64	23.332	37.908
241.74	23.336	37.927
241.84	23.339	37.945
241.94	23.342	37.96
242.	23.344	37.968
242.01	23.345	37.97
242.02		37.972
242.05	23.346	37.982
242.14	23.349	38.033
242.24	23.352	38.109
242.34	23.356	38.202
242.44	23.359	38.308
242.54	23.363	38.427
242.64	23.366	38.556
242.74	23.37	38.695
242.84	23.374	38.842
242.94	23.377	38.998
243.	23.38	39.095
243.01		39.11
243.02	23.381	39.125
243.05	23.382	39.164
243.14	23.386	39.251
243.24	23.39	39.317
243.34	23.394	39.359
243.44	23.399	39.383
243.54	23.404	39.389
243.64	23.408	39.381
243.74	23.413	39.36
243.84	23.417	39.327
243.94	23.422	39.283
244.	23.425	39.253
244.01		39.249

244.02	23.426	39.244
244.05	23.427	39.234
244.14	23.431	39.215
244.24	23.435	39.208
244.34	23.439	39.209
244.44	23.443	39.217
244.54	23.447	39.23
244.64	23.45	39.248
244.74	23.454	39.27
244.84	23.457	39.295
244.94	23.46	39.323
245.	23.462	39.341
245.01	23.463	39.344
245.02		39.348
245.05	23.464	39.359
245.14	23.467	39.403
245.24	23.47	39.461
245.34	23.473	39.528
245.44	23.476	39.602
245.54	23.479	39.683
245.64	23.482	39.769
245.74	23.485	39.86
245.84	23.488	39.957
245.94	23.491	40.058
246.	23.493	40.12
246.01		40.13
246.02	23.494	40.14
246.05	23.495	40.166
246.14	23.498	40.227
246.24	23.501	40.279
246.34	23.505	40.318
246.44	23.508	40.346
246.54	23.512	40.365
246.64	23.516	40.377
246.74	23.519	40.381
246.84	23.523	40.378
246.94	23.527	40.37
247.	23.529	40.363
247.01		40.362
247.02	23.53	
247.05	23.531	40.364
247.14	23.534	40.389
247.24	23.537	40.435
247.34	23.541	40.495
247.44	23.544	40.567
247.54	23.548	40.648
247.64	23.551	40.739
247.74	23.555	40.837
247.84	23.558	40.943
247.94	23.562	41.055
248.	23.564	41.124
248.01		41.135
248.02	23.565	41.146
248.05	23.566	41.173
248.14	23.569	41.229
248.24	23.573	41.266
248.34	23.577	41.283
248.44	23.581	41.284
248.54	23.585	41.271
248.64	23.588	41.245

248.74	23.592	41.208
248.84	23.596	41.161
248.94	23.599	41.105
249.	23.602	41.068
249.01		41.062
249.02		41.056
249.05	23.603	41.04
249.14	23.606	41.003
249.24	23.609	40.97
249.34	23.612	40.942
249.44	23.615	40.919
249.54	23.618	40.898
249.64	23.62	40.88
249.74	23.623	40.864
249.84	23.625	40.849
249.94	23.627	40.836
250.	23.628	40.828
250.01		40.827
250.02		40.825
250.05	23.629	40.822
250.14	23.63	40.813
250.24	23.632	40.805
250.34	23.633	40.798
250.44	23.635	40.792
250.54	23.636	40.787
250.64	23.637	40.783
250.74	23.638	40.78
250.84	23.639	40.777
250.94	23.64	40.775
251.	23.641	40.773
251.01		
251.02		
251.05		40.774
251.14	23.642	40.78
251.24	23.643	40.79
251.34	23.644	40.804
251.44	23.645	40.821
251.54		40.841
251.64	23.646	40.863
251.74	23.647	40.887
251.84	23.648	40.914
251.94	23.649	40.942
252.		40.959
252.01		40.962
252.02		40.964
252.05		40.97
252.14	23.65	40.975
252.24	23.651	40.969
252.34	23.652	40.954
252.44	23.653	40.932
252.54	23.654	40.904
252.64		40.87
252.74	23.655	40.83
252.84	23.656	40.786
252.94		40.738
253.	23.657	40.707
253.01		40.702
253.02		40.698
253.05		40.686
253.14		40.663

253.24	23.658	40.649
253.34		40.644
253.44		40.647
253.54	23.659	40.656
253.64		40.67
253.74		40.689
253.84		40.712
253.94		40.739
254.		40.756
254.01		40.759
254.02		40.762
254.05		40.77
254.14		40.789
254.24		40.808
254.34	23.66	40.825
254.44		40.84
254.54		40.854
254.64	23.661	40.867
254.74		40.88
254.84		40.892
254.94	23.662	40.903
255.		40.91
255.01		40.911
255.02		40.912
255.05		40.916
255.14	23.663	40.93
255.24		40.947
255.34	23.664	40.966
255.44		40.986
255.54	23.665	41.007
255.64	23.666	41.029
255.74		41.052
255.84	23.667	41.076
255.94	23.668	41.101
256.	23.669	41.116
256.01		41.119
256.02		41.122
256.05		41.132
256.14	23.67	41.176
256.24	23.671	41.236
256.34	23.672	41.305
256.44	23.673	41.383
256.54	23.674	41.468
256.64	23.676	41.559
256.74	23.677	41.657
256.84	23.679	41.76
256.94	23.681	41.869
257.	23.682	41.936
257.01		41.947
257.02		41.957
257.05	23.683	41.987
257.14	23.685	42.062
257.24	23.687	42.133
257.34	23.69	42.194
257.44	23.692	42.247
257.54	23.695	42.293
257.64	23.698	42.334
257.74	23.701	42.371
257.84	23.704	42.402
257.94	23.707	42.43

258.	23.709	42.445
258.01		42.448
258.02		42.45
258.05	23.71	42.458
258.14	23.713	42.481
258.24	23.716	42.506
258.34	23.72	42.53
258.44	23.723	42.553
258.54	23.726	42.575
258.64	23.729	42.596
258.74	23.732	42.616
258.84	23.735	42.635
258.94	23.739	42.653
259.	23.74	42.664
259.01	23.741	42.666
259.02		42.668
259.05	23.742	42.675
259.14	23.745	42.707
259.24	23.748	42.75
259.34	23.751	42.799
259.44	23.754	42.854
259.54	23.757	42.914
259.64	23.76	42.978
259.74	23.763	43.046
259.84	23.766	43.118
259.94	23.769	43.192
260.	23.771	43.238
260.01		43.246
260.02		43.252
260.05	23.772	43.27
260.14	23.775	43.304
260.24	23.778	43.323
260.34	23.781	43.328
260.44	23.785	43.32
260.54	23.788	43.301
260.64	23.791	43.274
260.74	23.794	43.237
260.84	23.797	43.193
260.94	23.8	43.142
261.	23.802	43.109
261.01		43.103
261.02		43.098
261.05	23.803	43.086
261.14	23.805	43.062
261.24	23.808	43.049
261.34	23.81	43.045
261.44	23.812	43.048
261.54	23.815	43.058
261.64	23.817	43.074
261.74	23.819	43.094
261.84	23.82	43.118
261.94	23.822	43.146
262.	23.823	43.164
262.01		43.167
262.02	23.824	43.17
262.05		43.178
262.14	23.826	43.201
262.24	23.827	43.225
262.34	23.829	43.249
262.44	23.831	43.272

262.54	23.832	43.294
262.64	23.834	43.317
262.74	23.836	43.339
262.84	23.837	43.362
262.94	23.839	43.384
263.	23.84	43.397
263.01		43.4
263.02		43.402
263.05	23.841	43.407
263.14	23.843	43.421
263.24	23.844	43.433
263.34	23.846	43.442
263.44	23.848	43.448
263.54	23.849	43.452
263.64	23.851	43.455
263.74	23.853	
263.84	23.854	
263.94	23.856	43.452
264.	23.857	43.451
264.01		43.45
264.02		
264.05	23.858	43.451
264.14	23.859	43.46
264.24	23.861	43.475
264.34	23.862	43.496
264.44	23.864	43.52
264.54	23.865	43.548
264.64	23.867	43.579
264.74	23.868	43.612
264.84	23.87	43.648
264.94	23.871	43.686
265.	23.872	43.709
265.01		43.713
265.02	23.873	43.716
265.05		43.724
265.14	23.874	43.731
265.24	23.876	43.725
265.34	23.878	43.706
265.44	23.879	43.678
265.54	23.881	43.641
265.64	23.882	43.596
265.74	23.883	43.544
265.84	23.885	43.486
265.94	23.886	43.421
266.		43.381
266.01	23.887	43.374
266.02		43.368
266.05		43.354
266.14	23.888	43.328
266.24	23.889	43.319
266.34		43.323
266.44	23.89	43.339
266.54	23.891	43.366
266.64		43.4
266.74	23.892	43.443
266.84		43.492
266.94	23.893	43.548
267.		43.584
267.01		43.59
267.02		43.595

267.05	23.894	43.611
267.14		43.65
267.24	23.895	43.686
267.34	23.896	43.717
267.44		43.745
267.54	23.897	43.77
267.64	23.898	43.792
267.74	23.899	43.812
267.84	23.9	43.831
267.94	23.901	43.848
268.	23.902	43.857
268.01		43.859
268.02		43.861
268.05	23.903	43.867
268.14	23.904	43.89
268.24	23.905	43.92
268.34	23.906	43.954
268.44	23.908	43.991
268.54	23.909	44.03
268.64	23.911	44.072
268.74	23.912	44.115
268.84	23.914	44.161
268.94	23.915	44.208
269.	23.916	44.237
269.01		44.242
269.02	23.917	44.247
269.05		44.262
269.14	23.919	44.308
269.24	23.921	44.361
269.34	23.923	44.415
269.44	23.924	44.471
269.54	23.927	44.528
269.64	23.929	44.586
269.74	23.931	44.646
269.84	23.933	44.707
269.94	23.936	44.77
270.	23.937	44.808
270.01		44.814
270.02	23.938	44.82
270.05		44.839
270.14	23.941	44.896
270.24	23.943	44.96
270.34	23.946	45.024
270.44	23.949	45.088
270.54	23.952	45.154
270.64	23.955	45.22
270.74	23.958	45.286
270.84	23.961	45.353
270.94	23.964	45.421
271.	23.966	45.462
271.01	23.967	45.468
271.02		45.475
271.05	23.968	45.494
271.14	23.971	45.546
271.24	23.974	45.6
271.34	23.978	45.649
271.44	23.982	45.695
271.54	23.985	45.739
271.64	23.989	45.781
271.74	23.992	45.82

271.84	23.996	45.857
271.94	24.	45.893
272.	24.002	45.914
272.01	24.003	45.917
272.02		45.921
272.05	24.004	45.931
272.14	24.007	45.959
272.24	24.011	45.989
272.34	24.015	46.017
272.44	24.018	46.044
272.54	24.022	46.069
272.64	24.026	46.093
272.74	24.029	46.115
272.84	24.033	46.137
272.94	24.036	46.157
273.	24.038	46.169
273.01	24.039	46.171
273.02		46.172
273.05	24.04	46.175
273.14	24.043	46.17
273.24	24.047	46.152
273.34	24.05	46.123
273.44	24.053	46.086
273.54	24.056	46.04
273.64	24.059	45.987
273.74	24.061	45.928
273.84	24.064	45.862
273.94	24.066	45.79
274.	24.068	45.745
274.01		45.738
274.02		45.731
274.05	24.069	45.71
274.14	24.07	45.657
274.24	24.072	45.603
274.34	24.074	45.554
274.44	24.075	45.509
274.54	24.076	45.465
274.64	24.077	45.424
274.74	24.078	45.384
274.84	24.079	45.346
274.94		45.309
275.		45.286
275.01		45.283
275.02		45.279
275.05		45.268
275.14	24.08	45.234
275.24		45.197
275.34		45.159
275.44	24.079	45.121
275.54		45.084
275.64		45.045
275.74	24.078	45.007
275.84		44.969
275.94	24.077	44.93
276.		44.907
276.01		44.903
276.02	24.076	44.899
276.05		44.888
276.14		44.856
276.24	24.075	44.821

276.34	24.074	44.788
276.44	24.073	44.755
276.54	24.072	44.723
276.64	24.07	44.692
276.74	24.069	44.662
276.84	24.068	44.631
276.94	24.067	44.601
277.	24.066	44.584
277.01		44.581
277.02		44.578
277.05	24.065	44.569
277.14	24.064	44.544
277.24	24.063	44.516
277.34	24.061	44.489
277.44	24.06	44.463
277.54	24.059	44.437
277.64	24.057	44.412
277.74	24.056	44.388
277.84	24.054	44.363
277.94	24.053	44.34
278.	24.052	44.326
278.01		44.323
278.02		44.321
278.05	24.051	44.315
278.14	24.05	44.297
278.24	24.048	44.28
278.34	24.047	44.265
278.44	24.045	44.252
278.54	24.044	44.24
278.64	24.042	44.229
278.74	24.041	44.219
278.84	24.04	44.211
278.94	24.038	44.203
279.	24.037	44.199
279.01		44.198
279.02		
279.05		44.196
279.14	24.036	44.19
279.24	24.034	44.185
279.34	24.033	44.179
279.44	24.032	44.175
279.54	24.031	44.171
279.64	24.029	44.167
279.74	24.028	44.164
279.84	24.027	44.162
279.94	24.026	44.16
280.		44.159
280.01		44.158
280.02		
280.05	24.025	44.159
280.14	24.024	44.163
280.24	24.023	44.17
280.34		44.181
280.44	24.022	44.193
280.54	24.021	44.208
280.64		44.225
280.74	24.02	44.243
280.84	24.019	44.263
280.94		44.285
281.		44.299

281.01		44.301
281.02		44.303
281.05	24.018	44.31
281.14		44.33
281.24		44.352
281.34		44.375
281.44		44.398
281.54		44.422
281.64		44.446
281.74		44.471
281.84		44.497
281.94		44.523
282.	24.019	44.538
282.01		44.541
282.02		44.544
282.05		44.552
282.14		44.578
282.24	24.02	44.608
282.34		44.64
282.44	24.021	44.672
282.54	24.022	44.706
282.64	24.023	44.741
282.74		44.777
282.84	24.024	44.813
282.94	24.025	44.851
283.	24.026	44.874
283.01		44.878
283.02		44.881
283.05	24.027	44.892
283.14	24.028	44.925
283.24	24.029	44.959
283.34	24.03	44.993
283.44	24.032	45.026
283.54	24.033	45.059
283.64	24.035	45.092
283.74	24.036	45.125
283.84	24.038	45.157
283.94	24.04	45.19
284.	24.041	45.209
284.01		45.212
284.02		45.216
284.05		45.226
284.14	24.043	45.262
284.24	24.045	45.304
284.34	24.047	45.35
284.44	24.049	45.398
284.54	24.051	45.448
284.64	24.053	45.5
284.74	24.055	45.554
284.84	24.057	45.609
284.94	24.059	45.667
285.	24.061	45.702
285.01		45.707
285.02		45.713
285.05	24.062	45.73
285.14	24.064	45.776
285.24	24.067	45.826
285.34	24.069	45.873
285.44	24.072	45.919
285.54	24.074	45.963

285.64	24.077	46.007
285.74	24.08	46.049
285.84	24.083	46.091
285.94	24.086	46.132
286.	24.087	46.157
286.01	24.088	46.161
286.02		46.165
286.05	24.089	46.18
286.14	24.091	46.231
286.24	24.094	46.297
286.34	24.097	46.369
286.44	24.101	46.447
286.54	24.104	46.53
286.64	24.107	46.617
286.74	24.11	46.708
286.84	24.114	46.803
286.94	24.117	46.901
287.	24.12	46.961
287.01		46.971
287.02		46.98
287.05	24.121	47.007
287.14	24.125	47.074
287.24	24.129	47.137
287.34	24.133	47.191
287.44	24.137	47.237
287.54	24.141	47.277
287.64	24.145	47.311
287.74	24.149	47.341
287.84	24.153	47.366
287.94	24.157	47.386
288.	24.16	47.397
288.01		47.399
288.02	24.161	47.401
288.05	24.162	47.407
288.14	24.166	47.426
288.24	24.17	47.447
288.34	24.174	47.468
288.44	24.178	47.489
288.54	24.182	47.51
288.64	24.186	47.529
288.74	24.19	47.548
288.84	24.194	47.566
288.94	24.197	47.584
289.	24.2	47.594
289.01		47.596
289.02		47.598
289.05	24.201	47.603
289.14	24.205	47.615
289.24	24.208	47.628
289.34	24.212	47.639
289.44	24.215	47.648
289.54	24.218	47.657
289.64	24.222	47.664
289.74	24.225	47.67
289.84	24.228	47.674
289.94	24.231	47.678
290.	24.233	47.68
290.01		
290.02		
290.05	24.234	47.681

290.14	24.237	47.684
290.24	24.239	47.686
290.34	24.242	47.688
290.44	24.245	47.69
290.54	24.247	47.691
290.64	24.25	47.692
290.74	24.252	47.693
290.84	24.254	
290.94	24.257	
291.	24.258	
291.01		
291.02		47.692
291.05	24.259	
291.14	24.261	47.686
291.24	24.263	47.677
291.34	24.265	47.665
291.44	24.267	47.651
291.54	24.269	47.635
291.64	24.27	47.618
291.74	24.272	47.598
291.84	24.274	47.577
291.94	24.275	47.555
292.	24.276	47.54
292.01		47.538
292.02		47.536
292.05	24.277	47.532
292.14	24.278	47.528
292.24	24.279	47.533
292.34	24.28	47.545
292.44	24.281	47.563
292.54	24.282	47.586
292.64	24.284	47.614
292.74	24.285	47.646
292.84	24.286	47.681
292.94	24.287	47.72
293.	24.288	47.744
293.01		47.748
293.02		47.752
293.05		47.763
293.14	24.289	47.791
293.24	24.29	47.817
293.34	24.292	47.84
293.44	24.293	47.861
293.54	24.294	47.88
293.64	24.296	47.897
293.74	24.297	47.912
293.84	24.298	47.927
293.94	24.3	47.94
294.	24.301	47.948
294.01		47.949
294.02		47.951
294.05		47.958
294.14	24.303	47.995
294.24	24.304	48.05
294.34	24.306	48.115
294.44	24.308	48.19
294.54	24.309	48.273
294.64	24.311	48.364
294.74	24.313	48.46
294.84	24.315	48.564

294.94	24.317	48.672
295.	24.319	48.74
295.01		48.752
295.02		48.766
295.05	24.32	48.817
295.14	24.322	49.04
295.24	24.325	49.356
295.34	24.329	49.727
295.44	24.333	50.147
295.54	24.338	50.609
295.64	24.343	51.11
295.74	24.349	51.647
295.84	24.355	52.216
295.94	24.363	52.817
296.	24.368	53.188
296.01	24.369	53.248
296.02	24.37	53.306
296.05	24.372	53.464
296.14	24.381	53.843
296.24	24.391	54.174
296.34	24.403	54.436
296.44	24.414	54.64
296.54	24.427	54.797
296.64	24.44	54.913
296.74	24.454	54.991
296.84	24.468	55.037
296.94	24.482	55.053
297.	24.49	55.052
297.01	24.492	
297.02	24.493	
297.05	24.497	55.05
297.14	24.51	55.038
297.24	24.524	55.011
297.34	24.538	54.972
297.44	24.552	54.921
297.54	24.565	54.856
297.64	24.578	54.779
297.74	24.59	54.69
297.84	24.602	54.59
297.94	24.613	54.478
298.	24.62	54.406
298.01	24.621	54.396
298.02	24.622	54.386
298.05	24.625	54.367
298.14	24.634	54.371
298.24	24.644	54.433
298.34	24.653	54.541
298.44	24.663	54.686
298.54	24.671	54.863
298.64	24.68	55.068
298.74	24.688	55.298
298.84	24.697	55.551
298.94	24.705	55.825
299.	24.71	55.997
299.01	24.711	56.025
299.02	24.712	56.052
299.05	24.714	56.131
299.14	24.722	56.341
299.24	24.731	56.554
299.34	24.74	56.752

299.44	24.749	56.938
299.54	24.758	57.115
299.64	24.768	57.285
299.74	24.777	57.449
299.84	24.787	57.608
299.94	24.798	57.762
300.	24.804	57.853
300.01	24.805	57.868
300.02	24.806	57.883
300.05	24.809	57.926
300.14	24.818	58.045
300.24	24.829	58.168
300.34	24.84	58.282
300.44	24.85	58.388
300.54	24.861	58.488
300.64	24.872	58.582
300.74	24.882	58.67
300.84	24.893	58.753
300.94	24.904	58.831
301.	24.91	58.876
301.01	24.911	58.883
301.02	24.912	58.89
301.05	24.915	58.907
301.14	24.925	58.937
301.24	24.935	58.949
301.34	24.945	58.943
301.44	24.955	58.921
301.54	24.964	58.884
301.64	24.974	58.835
301.74	24.983	58.774
301.84	24.992	58.701
301.94	25.	58.618
302.	25.005	58.565
302.01	25.006	58.558
302.02		58.552
302.05	25.009	58.546
302.14	25.016	58.605
302.24	25.023	58.745
302.34	25.031	58.943
302.44	25.038	59.19
302.54	25.045	59.479
302.64	25.052	59.805
302.74	25.06	60.165
302.84	25.067	60.556
302.94	25.075	60.975
303.	25.08	61.236
303.01	25.081	61.28
303.02	25.082	61.324
303.05	25.085	61.457
303.14	25.093	61.87
303.24	25.102	62.345
303.34	25.113	62.838
303.44	25.124	63.348
303.54	25.135	63.875
303.64	25.148	64.417
303.74	25.161	64.975
303.84	25.176	65.549
303.94	25.191	66.136
304.	25.2	66.494
304.01	25.202	66.553

304.02	25.204	66.611
304.05	25.209	66.777
304.14	25.224	67.231
304.24	25.242	67.694
304.34	25.261	68.126
304.44	25.28	68.533
304.54	25.3	68.918
304.64	25.321	69.285
304.74	25.343	69.637
304.84	25.365	69.975
304.94	25.387	70.301
305.	25.401	70.492
305.01	25.403	70.523
305.02	25.405	70.554
305.05	25.412	70.639
305.14	25.433	70.852
305.24	25.456	71.046
305.34	25.479	71.206
305.44	25.503	71.335
305.54	25.526	71.437
305.64	25.549	71.515
305.74	25.572	71.571
305.84	25.594	71.607
305.94	25.616	71.623
306.	25.629	71.627
306.01	25.631	
306.02	25.634	
306.05	25.64	
306.14	25.659	71.614
306.24	25.68	71.585
306.34	25.7	71.542
306.44	25.719	71.486
306.54	25.738	71.417
306.64	25.756	71.335
306.74	25.773	71.24
306.84	25.789	71.134
306.94	25.805	71.017
307.	25.814	70.942
307.01	25.815	70.929
307.02	25.817	70.916
307.05	25.821	70.876
307.14	25.834	70.743
307.24	25.847	70.581
307.34	25.86	70.406
307.44	25.871	70.218
307.54	25.882	70.018
307.64	25.892	69.808
307.74	25.901	69.586
307.84	25.909	69.355
307.94	25.916	69.113
308.	25.92	68.964
308.01	25.921	68.94
308.02		68.916
308.05	25.923	68.848
308.14	25.928	68.661
308.24	25.933	68.472
308.34	25.937	68.295
308.44	25.94	68.128
308.54	25.942	67.969
308.64	25.944	67.816

308.74	25.945	67.669
308.84	25.946	67.525
308.94		67.386
309.		67.304
309.01		67.291
309.02		67.278
309.05		67.241
309.14	25.945	67.15
309.24	25.943	67.067
309.34	25.942	66.999
309.44	25.94	66.944
309.54	25.937	66.899
309.64	25.935	66.865
309.74	25.932	66.839
309.84	25.929	66.821
309.94	25.926	66.811
310.	25.925	66.808
310.01	25.924	66.807
310.02		66.805
310.05	25.923	66.797
310.14	25.92	66.746
310.24	25.917	66.666
310.34	25.914	66.568
310.44	25.911	66.454
310.54	25.907	66.327
310.64	25.904	66.189
310.74	25.9	66.041
310.84	25.897	65.883
310.94	25.893	65.716
311.	25.891	65.613
311.01	25.89	65.596
311.02		65.579
311.05	25.889	65.533
311.14	25.885	65.41
311.24	25.88	65.29
311.34	25.876	65.182
311.44	25.871	65.083
311.54	25.866	64.992
311.64	25.861	64.908
311.74	25.856	64.83
311.84	25.851	64.758
311.94	25.846	64.69
312.	25.843	64.652
312.01	25.842	64.645
312.02	25.841	64.639
312.05	25.84	64.619
312.14	25.835	64.563
312.24	25.83	64.502
312.34	25.824	64.443
312.44	25.819	64.386
312.54	25.813	64.33
312.64	25.808	64.276
312.74	25.802	64.224
312.84	25.797	64.173
312.94	25.791	64.123
313.	25.788	64.093
313.01		64.089
313.02	25.787	64.084
313.05	25.785	64.071
313.14	25.781	64.042

313.24	25.776	64.019
313.34	25.77	64.001
313.44	25.765	63.99
313.54	25.76	63.983
313.64	25.756	63.981
313.74	25.751	63.983
313.84	25.746	63.988
313.94	25.742	63.996
314.	25.739	64.001
314.01		64.003
314.02		64.004
314.05	25.737	64.008
314.14	25.734	64.028
314.24	25.73	64.056
314.34	25.726	64.091
314.44	25.722	64.13
314.54	25.719	64.174
314.64	25.716	64.222
314.74	25.713	64.274
314.84	25.71	64.33
314.94	25.708	64.389
315.	25.706	64.426
315.01		64.432
315.02		64.438
315.05	25.705	64.453
315.14	25.703	64.485
315.24	25.701	64.509
315.34	25.7	64.524
315.44	25.698	64.532
315.54	25.697	64.533
315.64	25.696	64.53
315.74	25.694	64.521
315.84	25.693	64.509
315.94		64.493
316.	25.692	64.482
316.01		64.48
316.02		64.479
316.05		
316.14	25.691	64.497
316.24	25.69	64.535
316.34		64.588
316.44		64.652
316.54	25.689	64.727
316.64		64.81
316.74		64.902
316.84		65.
316.94	25.69	65.106
317.		65.172
317.01		65.182
317.02		65.191
317.05		65.213
317.14	25.691	65.238
317.24		65.229
317.34	25.692	65.189
317.44	25.693	65.124
317.54	25.694	65.038
317.64	25.695	64.934
317.74	25.696	64.812
317.84	25.697	64.676
317.94		64.526

318.	25.698	64.431
318.01		64.415
318.02		64.399
318.05		64.353
318.14		64.215
318.24		64.063
318.34		63.908
318.44	25.697	63.751
318.54	25.696	63.59
318.64	25.695	63.427
318.74	25.693	63.26
318.84	25.691	63.089
318.94	25.689	62.915
319.	25.687	62.809
319.01		62.792
319.02		62.776
319.05	25.686	62.731
319.14	25.683	62.629
319.24	25.68	62.546
319.34	25.676	62.488
319.44	25.672	62.45
319.54	25.668	62.43
319.64	25.664	62.426
319.74	25.66	62.437
319.84	25.656	62.461
319.94	25.652	62.498
320.	25.649	62.525
320.01		62.529
320.02		62.533
320.05	25.647	62.54
320.14	25.644	62.543
320.24	25.64	62.527
320.34	25.636	62.499
320.44	25.632	62.461
320.54	25.629	62.415
320.64	25.625	62.362
320.74	25.622	62.304
320.84	25.618	62.241
320.94	25.615	62.174
321.	25.613	62.132
321.01		62.125
321.02	25.612	62.118
321.05	25.611	62.094
321.14	25.608	62.015
321.24	25.605	61.918
321.34	25.602	61.813
321.44	25.598	61.701
321.54	25.595	61.583
321.64	25.591	61.46
321.74	25.588	61.332
321.84	25.584	61.199
321.94	25.58	61.063
322.	25.578	60.98
322.01	25.577	60.966
322.02		60.952
322.05	25.576	60.914
322.14	25.572	60.809
322.24	25.568	60.702
322.34	25.563	60.603
322.44	25.559	60.509

322.54	25.554	60.42
322.64	25.549	60.336
322.74	25.544	60.255
322.84	25.539	60.177
322.94	25.534	60.102
323.	25.531	60.058
323.01	25.53	60.05
323.02		60.043
323.05	25.528	60.021
323.14	25.524	59.956
323.24	25.518	59.885
323.34	25.513	59.814
323.44	25.508	59.745
323.54	25.503	59.676
323.64	25.497	59.609
323.74	25.492	59.542
323.84	25.487	59.476
323.94	25.481	59.41
324.	25.478	59.372
324.01		59.365
324.02	25.477	59.358
324.05	25.476	59.338
324.14	25.471	59.279
324.24	25.466	59.212
324.34	25.461	59.142
324.44	25.455	59.071
324.54	25.45	58.999
324.64	25.445	58.925
324.74	25.44	58.85
324.84	25.435	58.774
324.94	25.43	58.697
325.	25.427	58.651
325.01	25.426	58.643
325.02		58.636
325.05	25.424	58.614
325.14	25.419	58.552
325.24	25.414	58.488
325.34	25.409	58.426
325.44	25.404	58.367
325.54	25.399	58.31
325.64	25.394	58.255
325.74	25.388	58.202
325.84	25.383	58.149
325.94	25.378	58.098
326.	25.375	58.068
326.01		58.063
326.02	25.374	58.058
326.05	25.373	58.043
326.14	25.368	57.997
326.24	25.363	57.946
326.34	25.358	57.895
326.44	25.353	57.844
326.54	25.348	57.794
326.64	25.343	57.744
326.74	25.339	57.694
326.84	25.334	57.645
326.94	25.329	57.596
327.	25.326	57.566
327.01		57.561
327.02	25.325	57.557

327.05	25.324	57.542
327.14	25.32	57.499
327.24	25.315	57.453
327.34	25.31	57.407
327.44	25.306	57.361
327.54	25.301	57.316
327.64	25.297	57.272
327.74	25.293	57.228
327.84	25.288	57.185
327.94	25.284	57.142
328.	25.281	57.116
328.01		57.112
328.02		57.107
328.05	25.279	57.095
328.14	25.276	57.059
328.24	25.271	57.02
328.34	25.267	56.982
328.44	25.263	56.945
328.54	25.259	56.909
328.64	25.255	56.874
328.74	25.251	56.839
328.84	25.248	56.806
328.94	25.244	56.773
329.	25.242	56.753
329.01	25.241	56.75
329.02		56.747
329.05	25.24	56.737
329.14	25.236	56.706
329.24	25.233	56.672
329.34	25.229	56.637
329.44	25.226	56.602
329.54	25.222	56.567
329.64	25.219	56.532
329.74	25.216	56.496
329.84	25.212	56.461
329.94	25.209	56.426
330.	25.207	56.405
330.01		56.402
330.02		56.399
330.05	25.206	56.388
330.14	25.203	56.36
330.24	25.2	56.329
330.34	25.197	56.299
330.44	25.194	56.27
330.54	25.191	56.242
330.64	25.188	56.215
330.74	25.185	56.188
330.84	25.182	56.162
330.94	25.179	56.137
331.	25.177	56.122
331.01		56.119
331.02		56.117
331.05	25.176	56.109
331.14	25.174	56.084
331.24	25.171	56.056
331.34	25.168	56.027
331.44	25.166	55.997
331.54	25.163	55.967
331.64	25.161	55.937
331.74	25.158	55.906

331.84	25.156	55.876
331.94	25.153	55.845
332.	25.152	55.826
332.01		55.823
332.02	25.151	55.82
332.05		55.811
332.14	25.149	55.786
332.24	25.146	55.758
332.34	25.144	55.732
332.44	25.142	55.706
332.54	25.14	55.681
332.64	25.137	55.657
332.74	25.135	55.633
332.84	25.133	55.61
332.94	25.131	55.587
333.	25.13	55.573
333.01		55.571
333.02	25.129	55.569
333.05		55.561
333.14	25.127	55.536
333.24	25.125	55.507
333.34	25.123	55.475
333.44	25.121	55.443
333.54	25.119	55.409
333.64	25.117	55.374
333.74	25.115	55.339
333.84	25.113	55.303
333.94	25.111	55.266
334.	25.11	55.244
334.01		55.24
334.02		55.237
334.05	25.109	55.226
334.14	25.108	55.193
334.24	25.106	55.157
334.34	25.104	55.121
334.44	25.102	55.085
334.54	25.1	55.06
334.64	25.098	55.065
334.74	25.096	55.069
334.84	25.094	55.073
334.94	25.092	55.077
335.	25.091	55.08
335.01		
335.02		55.081
335.05	25.09	55.082
335.14	25.088	55.087
335.24	25.086	55.092
335.34	25.084	55.098
335.44	25.082	55.104
335.54	25.08	55.11
335.64	25.078	55.117
335.74	25.076	55.123
335.84	25.075	55.13
335.94	25.073	55.137
336.	25.071	55.141
336.01		
336.02		55.142
336.05	25.07	55.144
336.14	25.069	55.15
336.24	25.067	55.158

336.34	25.065	55.165
336.44	25.063	55.172
336.54	25.061	55.179
336.64	25.06	55.187
336.74	25.058	55.194
336.84	25.056	55.202
336.94	25.055	55.209
337.	25.054	55.214
337.01	25.053	
337.02		55.215
337.05		55.217
337.14	25.051	55.224
337.24	25.05	55.23
337.34	25.048	55.237
337.44	25.047	55.244
337.54	25.045	55.25
337.64	25.044	55.256
337.74	25.042	55.263
337.84	25.041	55.269
337.94	25.039	55.275
338.		55.279
338.01	25.038	55.28
338.02		
338.05		55.282
338.14	25.037	55.288
338.24	25.035	55.294
338.34	25.034	55.3
338.44	25.033	55.305
338.54	25.031	55.311
338.64	25.03	55.317
338.74	25.029	55.323
338.84	25.027	55.328
338.94	25.026	55.334
339.	25.025	55.337
339.01		55.338
339.02		
339.05		55.34
339.14	25.024	55.345
339.24	25.022	55.351
339.34	25.021	55.356
339.44	25.02	55.362
339.54	25.019	55.368
339.64	25.017	55.373
339.74	25.016	55.379
339.84	25.015	55.384
339.94	25.014	55.39
340.	25.013	55.393
340.01		55.394
340.02		
340.05	25.012	55.396
340.14	25.011	55.4
340.24	25.01	55.405
340.34	25.009	55.41
340.44	25.008	55.415
340.54	25.007	55.419
340.64	25.005	55.424
340.74	25.004	55.428
340.84	25.003	55.433
340.94	25.002	55.437
341.		55.439

341.01	25.001	55.44
341.02		
341.05	25.	55.442
341.14	24.999	55.446
341.24	24.998	55.45
341.34	24.997	55.455
341.44	24.995	55.459
341.54	24.994	55.464
341.64	24.993	55.468
341.74	24.992	55.473
341.84	24.99	55.477
341.94	24.989	55.482
342.	24.988	55.485
342.01		
342.02		55.486
342.05		55.487
342.14	24.987	55.491
342.24	24.985	55.496
342.34	24.984	55.501
342.44	24.983	55.506
342.54	24.981	55.511
342.64	24.98	55.517
342.74	24.979	55.522
342.84	24.978	55.527
342.94	24.976	55.532
343.		55.535
343.01	24.975	55.536
343.02		
343.05		55.538
343.14	24.974	55.543
343.24	24.973	55.548
343.34	24.971	55.553
343.44	24.97	55.558
343.54	24.969	55.563
343.64	24.968	55.568
343.74	24.966	55.574
343.84	24.965	55.579
343.94	24.964	55.584
344.	24.963	55.587
344.01		
344.02		55.588
344.05		55.59
344.14	24.962	55.594
344.24	24.961	55.6
344.34	24.959	55.605
344.44	24.958	55.61
344.54	24.957	55.616
344.64	24.956	55.621
344.74	24.955	55.627
344.84	24.954	55.632
344.94	24.953	55.638
345.	24.952	55.641
345.01		55.642
345.02		
345.05		55.644
345.14	24.951	55.649
345.24	24.95	55.654
345.34	24.949	55.659
345.44	24.948	55.665
345.54	24.947	55.67

345.64	24.946	55.675
345.74	24.945	55.68
345.84	24.944	55.685
345.94	24.943	55.691
346.	24.942	55.694
346.01		
346.02		55.695
346.05		55.696
346.14	24.941	55.701
346.24	24.94	55.706
346.34	24.939	55.712
346.44	24.938	55.718
346.54	24.937	55.723
346.64	24.936	55.729
346.74	24.935	55.734
346.84		55.74
346.94	24.934	55.746
347.	24.933	55.749
347.01		55.75
347.02		
347.05		55.752
347.14	24.932	55.758
347.24	24.931	55.765
347.34	24.93	55.772
347.44		55.779
347.54	24.929	55.786
347.64	24.928	55.794
347.74	24.927	55.802
347.84		55.81
347.94	24.926	55.817
348.		55.822
348.01		55.823
348.02	24.925	55.824
348.05		55.826
348.14		55.832
348.24	24.924	55.838
348.34	24.923	55.843
348.44		55.848
348.54	24.922	55.853
348.64		55.858
348.74	24.921	55.862
348.84		55.867
348.94	24.92	55.871
349.		55.873
349.01		55.874
349.02		
349.05		55.876
349.14	24.919	55.88
349.24		55.886
349.34	24.918	55.891
349.44		55.897
349.54	24.917	55.903
349.64		55.91
349.74	24.916	55.916
349.84		55.922
349.94	24.915	55.929
350.		55.933
350.01		55.934
350.02		
350.05		55.936

350.14	24.914	55.942
350.24		55.948
350.34	24.913	55.954
350.44		55.96
350.54	24.912	55.966
350.64		55.972
350.74	24.911	55.978
350.84		55.984
350.94	24.91	55.99
351.		55.993
351.01		55.994
351.02		
351.05		55.996
351.14	24.909	56.002
351.24		56.008
351.34		56.013
351.44	24.908	56.019
351.54		56.025
351.64	24.907	56.031
351.74		56.037
351.84	24.906	56.043
351.94		56.049
352.		56.053
352.01		
352.02		56.054
352.05		56.055
352.14	24.905	56.06
352.24		56.064
352.34	24.904	56.069
352.44		56.073
352.54		56.077
352.64	24.903	56.08
352.74		56.084
352.84	24.902	56.087
352.94		56.09
353.		56.092
353.01	24.901	
353.02		56.093
353.05		56.094
353.14		56.098
353.24	24.9	56.102
353.34		56.107
353.44	24.899	56.113
353.54		56.118
353.64	24.898	56.123
353.74		56.129
353.84	24.897	56.135
353.94	24.896	56.14
354.		56.144
354.01		
354.02		56.145
354.05		56.147
354.14	24.895	56.152
354.24		56.158
354.34	24.894	56.164
354.44	24.893	56.171
354.54		56.177
354.64	24.892	56.183
354.74		56.19
354.84	24.891	56.196

354.94		56.203
355.	24.89	56.207
355.01		
355.02		56.208
355.05		56.21
355.14		56.216
355.24	24.889	56.222
355.34		56.228
355.44	24.888	56.235
355.54		56.241
355.64		56.247
355.74	24.887	56.254
355.84		56.26
355.94	24.886	56.266
356.		56.27
356.01		56.271
356.02		
356.05		56.273
356.14		56.279
356.24	24.885	56.285
356.34		56.29
356.44		56.296
356.54	24.884	56.302
356.64		56.307
356.74		56.313
356.84	24.883	56.318
356.94		56.324
357.		56.327
357.01		56.328
357.02		
357.05		56.33
357.14		56.335
357.24	24.882	56.341
357.34		56.346
357.44		56.352
357.54	24.881	56.358
357.64		56.364
357.74		56.37
357.84		56.376
357.94	24.88	56.382
358.		56.385
358.01		56.386
358.02		
358.05		56.388
358.14		56.393
358.24		56.399
358.34	24.879	56.405
358.44		56.411
358.54		56.416
358.64		56.422
358.74	24.878	56.428
358.84		56.434
358.94		56.439
359.		56.443
359.01		56.444
359.02		
359.05		56.446
359.14	24.877	56.451
359.24		56.457
359.34		56.463

359.44		56.468
359.54	24.876	56.474
359.64		56.48
359.74		56.486
359.84		56.492
359.94	24.875	56.498
360.		56.501
360.01		56.502
360.02		
360.05		56.504
360.14		56.51
360.24		56.516
360.34	24.874	56.522
360.44		56.529
360.54		56.535
360.64		56.542
360.74		56.549
360.84	24.873	56.555
360.94		56.562
361.		56.566
361.01		56.567
361.02		56.568
361.05		56.57
361.14		56.576
361.24		56.583
361.34		56.589
361.44	24.872	56.596
361.54		56.603
361.64		56.61
361.74		56.617
361.84		56.624
361.94		56.631
362.		56.635
362.01		56.636
362.02		56.637
362.05		56.639
362.14		56.645
362.24		56.651
362.34		56.658
362.44		56.664
362.54		56.67
362.64		56.676
362.74	24.871	56.682
362.84		56.688
362.94		56.694
363.		56.698
363.01		
363.02		56.699
363.05		56.701
363.14		56.706
363.24		56.712
363.34		56.718
363.44		56.723
363.54		56.729
363.64		56.735
363.74		56.741
363.84		56.747
363.94		56.752
364.		56.756
364.01		

364.02		56.757
364.05		56.759
364.14		56.764
364.24		56.77
364.34		56.776
364.44		56.782
364.54		56.788
364.64		56.794
364.74		56.8
364.84		56.806
364.94		56.812
365.		56.816
365.01		
365.02		56.817
365.05		56.819
365.14		56.824
365.24		56.83
365.34		56.836
365.44		56.842
365.54		56.848
365.64		56.854
365.74		56.86
365.84	24.87	56.866
365.94		56.872
366.		56.876
366.01		
366.02		56.877
366.05		56.879
366.14		56.884
366.24		56.89
366.34		56.896
366.44		56.902
366.54		56.908
366.64		56.914
366.74		56.92
366.84		56.926
366.94	24.869	56.932
367.		56.935
367.01		56.936
367.02		56.937
367.05		56.938
367.14		56.944
367.24		56.951
367.34		56.957
367.44		56.964
367.54		56.97
367.64		56.977
367.74		56.984
367.84		56.991
367.94		56.998
368.		57.002
368.01	24.868	57.003
368.02		57.004
368.05		57.006
368.14		57.011
368.24		57.018
368.34		57.024
368.44		57.031
368.54		57.037
368.64		57.043

368.74		57.05
368.84		57.056
368.94		57.062
369.		57.066
369.01		
369.02		57.067
369.05		57.069
369.14		57.074
369.24		57.081
369.34		57.087
369.44		57.093
369.54		57.1
369.64		57.106
369.74		57.112
369.84		57.119
369.94		57.125
370.		57.129
370.01		
370.02		57.13
370.05		57.132
370.14		57.138
370.24		57.144
370.34		57.15
370.44		57.157
370.54		57.163
370.64	24.867	57.17
370.74		57.176
370.84		57.183
370.94		57.189
371.		57.193
371.01		57.194
371.02		
371.05		57.196
371.14		57.202
371.24		57.208
371.34		57.215
371.44		57.221
371.54		57.227
371.64		57.234
371.74		57.24
371.84		57.246
371.94		57.252
372.		57.256
372.01		57.257
372.02		
372.05		57.259
372.14		57.265
372.24		57.271
372.34		57.277
372.44		57.283
372.54		57.29
372.64		57.296
372.74		57.302
372.84		57.308
372.94		57.314
373.	24.868	57.318
373.01		
373.02		57.319
373.05		57.321
373.14		57.326

373.24		57.332
373.34		57.338
373.44		57.343
373.54		57.349
373.64		57.355
373.74	24.867	57.36
373.84		57.366
373.94		57.371
374.		57.375
374.01		
374.02		57.376
374.05		57.378
374.14		57.383
374.24		57.389
374.34		57.395
374.44		57.401
374.54		57.407
374.64		57.413
374.74		57.42
374.84		57.426
374.94		57.432
375.		57.436
375.01		57.437
375.02		
375.05		57.439
375.14		57.445
375.24		57.451
375.34		57.457
375.44		57.463
375.54	24.866	57.47
375.64		57.476
375.74		57.482
375.84		57.488
375.94		57.494
376.		57.498
376.01		57.499
376.02		
376.05		57.501
376.14		57.507
376.24		57.513
376.34		57.519
376.44		57.525
376.54		57.531
376.64		57.537
376.74		57.543
376.84		57.549
376.94		57.555
377.		57.559
377.01		
377.02		57.56
377.05		57.562
377.14		57.567
377.24		57.573
377.34		57.579
377.44		57.584
377.54		57.59
377.64		57.596
377.74		57.602
377.84		57.608
377.94		57.613

378.		57.617
378.01		57.618
378.02		
378.05		57.62
378.14		57.625
378.24	24.865	57.631
378.34		57.637
378.44		57.644
378.54		57.65
378.64		57.656
378.74		57.662
378.84		57.668
378.94		57.675
379.		57.678
379.01		57.679
379.02		57.68
379.05		57.682
379.14		57.687
379.24		57.693
379.34		57.699
379.44		57.706
379.54		57.712
379.64	24.864	57.718
379.74		57.724
379.84		57.73
379.94		57.736
380.		57.74
380.01		
380.02		57.741
380.05		57.743
380.14		57.748
380.24		57.754
380.34		57.76
380.44		57.766
380.54		57.772
380.64		57.778
380.74		57.784
380.84		57.79
380.94		57.796
381.		57.8
381.01		
381.02		57.801
381.05		57.803
381.14		57.808
381.24		57.814
381.34		57.82
381.44		57.826
381.54		57.832
381.64		57.838
381.74		57.845
381.84		57.851
381.94		57.857
382.		57.861
382.01		
382.02		57.862
382.05		57.864
382.14		57.869
382.24		57.875
382.34		57.882
382.44		57.888

382.54		57.894
382.64		57.9
382.74		57.906
382.84		57.912
382.94		57.919
383.		57.922
383.01		57.923
383.02		57.924
383.05		57.926
383.14		57.931
383.24		57.937
383.34		57.943
383.44		57.95
383.54		57.956
383.64		57.962
383.74		57.968
383.84		57.974
383.94		57.98
384.		57.984
384.01		57.985
384.02		
384.05		57.987
384.14		57.993
384.24		57.999
384.34		58.005
384.44		58.011
384.54	24.863	58.017
384.64		58.024
384.74		58.03
384.84		58.036
384.94		58.042
385.		58.046
385.01		
385.02		58.047
385.05		58.049
385.14		58.054
385.24		58.061
385.34		58.067
385.44		58.073
385.54		58.08
385.64		58.086
385.74		58.092
385.84		58.099
385.94		58.105
386.		58.109
386.01		58.11
386.02		
386.05		58.112
386.14		58.118
386.24		58.124
386.34		58.13
386.44		58.137
386.54		58.143
386.64		58.149
386.74		58.155
386.84		58.162
386.94		58.168
387.		58.172
387.01		
387.02		58.173

387.05	24.864	58.175
387.14		58.18
387.24		58.186
387.34		58.192
387.44		58.198
387.54		58.205
387.64		58.211
387.74		58.217
387.84		58.223
387.94		58.229
388.		58.232
388.01		58.233
388.02		
388.05		58.235
388.14		58.241
388.24		58.247
388.34		58.253
388.44		58.259
388.54		58.265
388.64		58.271
388.74		58.277
388.84		58.284
388.94		58.29
389.		58.293
389.01		58.294
389.02		58.295
389.05		58.296
389.14		58.302
389.24		58.308
389.34		58.314
389.44		58.32
389.54		58.326
389.64		58.332
389.74		58.337
389.84		58.343
389.94		58.349
390.		58.353
390.01		
390.02		58.354
390.05		58.356
390.14		58.361
390.24		58.366
390.34		58.372
390.44		58.378
390.54		58.383
390.64		58.389
390.74		58.394
390.84		58.4
390.94		58.405
391.		58.408
391.01		58.409
391.02		58.41
391.05		58.411
391.14		58.416
391.24		58.422
391.34		58.428
391.44		58.434
391.54		58.439
391.64		58.445
391.74		58.451

391.84		58.457
391.94		58.463
392.		58.466
392.01		58.467
392.02		58.468
392.05		58.469
392.14		58.475
392.24		58.481
392.34		58.487
392.44		58.493
392.54		58.498
392.64		58.504
392.74		58.51
392.84		58.516
392.94		58.522
393.		58.526
393.01		58.527
393.02		
393.05		58.529
393.14		58.534
393.24		58.54
393.34		58.546
393.44		58.552
393.54		58.558
393.64		58.564
393.74		58.57
393.84		58.576
393.94		58.582
394.		58.586
394.01		
394.02	24.865	58.587
394.05		58.589
394.14		58.594
394.24		58.6
394.34		58.606
394.44		58.612
394.54		58.618
394.64		58.624
394.74		58.63
394.84		58.636
394.94		58.642
395.		58.645
395.01		58.646
395.02		
395.05		58.648
395.14		58.654
395.24		58.66
395.34		58.666
395.44		58.672
395.54		58.678
395.64		58.684
395.74		58.69
395.84		58.697
395.94		58.703
396.		58.707
396.01		
396.02		58.708
396.05		58.71
396.14		58.715
396.24		58.722

396.34		58.728
396.44		58.735
396.54		58.741
396.64		58.748
396.74		58.754
396.84		58.761
396.94		58.768
397.		58.772
397.01		
397.02		58.773
397.05		58.775
397.14		58.781
397.24		58.787
397.34		58.793
397.44		58.8
397.54		58.806
397.64		58.812
397.74		58.819
397.84	24.866	58.825
397.94		58.831
398.		58.835
398.01		
398.02		58.836
398.05		58.838
398.14		58.843
398.24		58.849
398.34		58.856
398.44		58.862
398.54	24.867	58.868
398.64		58.873
398.74		58.879
398.84		58.885
398.94		58.891
399.		58.895
399.01		
399.02		58.896
399.05		58.898
399.14		58.903
399.24	24.868	58.909
399.34		58.915
399.44		58.921
399.54		58.927
399.64		58.933
399.74		58.939
399.84		58.945
399.94		58.951
400.		58.954
400.01		58.955
400.02		
400.05		58.957
400.14	24.869	58.962
400.24		58.968
400.34		58.974
400.44		58.98
400.54		58.986
400.64		58.992
400.74		58.998
400.84		59.004
400.94		59.01
401.		59.014

401.01		
401.02		59.015
401.05		59.017
401.14		59.022
401.24		59.028
401.34		59.034
401.44		59.041
401.54	24.87	59.047
401.64		59.053
401.74		59.059
401.84		59.065
401.94		59.071
402.		59.075
402.01		
402.02		59.076
402.05		59.078
402.14		59.083
402.24		59.09
402.34		59.096
402.44		59.102
402.54		59.108
402.64		59.114
402.74	24.871	59.12
402.84		59.126
402.94		59.132
403.		59.136
403.01		59.137
403.02		
403.05		59.139
403.14		59.145
403.24		59.151
403.34		59.157
403.44		59.163
403.54		59.169
403.64		59.175
403.74		59.181
403.84	24.872	59.187
403.94		59.193
404.		59.196
404.01		59.197
404.02		59.198
404.05		59.199
404.14		59.205
404.24		59.211
404.34		59.217
404.44		59.223
404.54		59.229
404.64		59.236
404.74		59.242
404.84		59.248
404.94	24.873	59.254
405.		59.258
405.01		
405.02		59.259
405.05		59.261
405.14		59.266
405.24		59.273
405.34		59.279
405.44		59.285
405.54		59.291

405.64		59.298
405.74		59.304
405.84		59.31
405.94		59.316
406.	24.874	59.32
406.01		59.321
406.02		
406.05		59.323
406.14		59.329
406.24		59.335
406.34		59.342
406.44		59.348
406.54	24.875	59.354
406.64		59.36
406.74		59.367
406.84		59.373
406.94		59.38
407.		59.383
407.01		59.384
407.02		59.385
407.05		59.386
407.14	24.876	59.392
407.24		59.398
407.34		59.404
407.44		59.411
407.54		59.417
407.64		59.423
407.74		59.429
407.84		59.435
407.94		59.441
408.		59.445
408.01		
408.02		
408.05	24.877	
408.14		59.44
408.24		59.432
408.34		59.42
408.44		59.406
408.54		59.389
408.64		59.371
408.74	24.876	59.351
408.84	24.875	59.33
408.94		59.314
409.		59.306
409.01	24.874	59.305
409.02		59.303
409.05	24.873	59.3
409.14	24.872	59.289
409.24	24.871	59.279
409.34	24.869	59.272
409.44	24.867	59.266
409.54	24.865	59.261
409.64	24.863	59.256
409.74	24.86	59.252
409.84	24.857	59.247
409.94	24.854	59.243
410.	24.853	59.24
410.01	24.852	
410.02		59.239
410.05	24.851	59.238

410.14	24.848	59.234
410.24	24.845	59.229
410.34	24.842	59.224
410.44	24.838	59.219
410.54	24.835	59.215
410.64	24.831	59.21
410.74	24.828	59.205
410.84	24.824	59.2
410.94	24.821	59.196
411.	24.819	59.193
411.01	24.818	59.192
411.02		
411.05	24.817	59.19
411.14	24.813	59.186
411.24	24.81	59.181
411.34	24.806	59.177
411.44	24.802	59.172
411.54	24.799	59.167
411.64	24.795	59.163
411.74	24.792	59.158
411.84	24.788	59.153
411.94	24.785	59.149
412.	24.782	59.146
412.01		59.145
412.02		
412.05	24.781	59.143
412.14	24.777	59.139
412.24	24.774	59.135
412.34	24.77	59.13
412.44	24.767	59.125
412.54	24.764	59.121
412.64	24.76	59.116
412.74	24.757	59.111
412.84	24.754	59.107
412.94	24.75	59.102
413.	24.748	59.1
413.01		59.099
413.02		
413.05	24.747	59.097
413.14	24.744	59.093
413.24	24.741	59.089
413.34	24.737	59.084
413.44	24.734	59.079
413.54	24.731	59.075
413.64	24.728	59.07
413.74	24.725	59.066
413.84	24.722	59.061
413.94	24.719	59.057
414.	24.717	59.054
414.01		
414.02		59.053
414.05	24.716	59.052
414.14	24.713	59.048
414.24	24.71	59.043
414.34	24.708	59.039
414.44	24.705	59.035
414.54	24.702	59.03
414.64	24.699	59.026
414.74	24.696	59.021
414.84	24.694	59.017

414.94	24.691	59.013
415.	24.69	59.01
415.01	24.689	
415.02		59.009
415.05	24.688	59.008
415.14	24.686	59.004
415.24	24.683	59.
415.34	24.681	58.996
415.44	24.678	58.991
415.54	24.676	58.987
415.64	24.673	58.983
415.74	24.671	58.979
415.84	24.668	58.975
415.94	24.666	58.97
416.	24.665	58.968
416.01	24.664	58.967
416.02		
416.05		58.966
416.14	24.661	58.962
416.24	24.659	58.958
416.34	24.657	58.954
416.44	24.655	58.95
416.54	24.652	58.946
416.64	24.65	58.941
416.74	24.648	58.937
416.84	24.646	58.933
416.94	24.644	58.929
417.	24.643	58.927
417.01	24.642	58.926
417.02		
417.05	24.641	58.925
417.14	24.64	58.921
417.24	24.638	58.917
417.34	24.636	58.913
417.44	24.634	58.909
417.54	24.632	58.905
417.64	24.63	58.901
417.74	24.628	58.897
417.84	24.626	58.893
417.94	24.624	58.889
418.	24.623	58.887
418.01	24.622	58.886
418.02		
418.05		58.885
418.14	24.62	58.881
418.24	24.618	58.877
418.34	24.616	58.873
418.44	24.615	58.869
418.54	24.613	58.865
418.64	24.611	58.862
418.74	24.609	58.858
418.84	24.607	58.854
418.94	24.606	58.85
419.	24.605	58.847
419.01	24.604	
419.02		
419.05		58.846
419.14	24.602	58.842
419.24	24.601	58.838
419.34	24.599	58.834

419.44	24.597	58.83
419.54	24.596	58.826
419.64	24.594	58.822
419.74	24.592	58.818
419.84	24.591	58.815
419.94	24.589	58.811
420.	24.588	58.808
420.01		
420.02		
420.05	24.587	58.806
420.14	24.586	58.803
420.24	24.584	58.799
420.34	24.583	58.795
420.44	24.581	58.791
420.54	24.58	58.787
420.64	24.578	58.783
420.74	24.577	58.779
420.84	24.575	58.776
420.94	24.574	58.772
421.	24.573	58.769
421.01		
421.02		
421.05	24.572	58.767
421.14	24.571	58.764
421.24	24.569	58.76
421.34	24.568	58.756
421.44	24.567	58.752
421.54	24.565	58.749
421.64	24.564	58.745
421.74	24.562	58.741
421.84	24.561	58.737
421.94	24.56	58.733
422.	24.559	58.731
422.01		58.73
422.02		
422.05	24.558	58.729
422.14	24.557	58.725
422.24	24.556	58.722
422.34	24.554	58.718
422.44	24.553	58.714
422.54	24.552	58.71
422.64	24.55	58.706
422.74	24.549	58.703
422.84	24.548	58.699
422.94	24.546	58.695
423.		58.693
423.01		58.692
423.02	24.545	
423.05		58.691
423.14	24.544	58.688
423.24	24.543	58.684
423.34	24.541	58.68
423.44	24.54	58.676
423.54	24.539	58.672
423.64	24.538	58.669
423.74	24.537	58.665
423.84	24.535	58.661
423.94	24.534	58.657
424.	24.533	58.655
424.01		

424.02		58.654
424.05		58.653
424.14	24.532	58.65
424.24	24.531	58.646
424.34	24.529	58.643
424.44	24.528	58.639
424.54	24.527	58.635
424.64	24.526	58.631
424.74	24.525	58.628
424.84	24.524	58.624
424.94	24.523	58.62
425.	24.522	58.618
425.01		
425.02		58.617
425.05	24.521	58.616
425.14	24.52	58.613
425.24	24.519	58.609
425.34	24.518	58.606
425.44	24.517	58.602
425.54	24.516	58.598
425.64	24.515	58.595
425.74	24.514	58.591
425.84	24.513	58.587
425.94	24.512	58.584
426.	24.511	58.582
426.01		58.581
426.02		
426.05		58.58
426.14	24.51	58.576
426.24	24.509	58.573
426.34	24.508	58.569
426.44	24.507	58.565
426.54	24.506	58.562
426.64	24.505	58.558
426.74	24.504	58.554
426.84	24.503	58.551
426.94	24.502	58.547
427.	24.501	58.545
427.01		58.544
427.02		
427.05	24.5	58.543
427.14		58.539
427.24	24.499	58.536
427.34	24.498	58.532
427.44	24.497	58.528
427.54	24.496	58.524
427.64	24.495	58.521
427.74	24.494	58.517
427.84	24.493	58.513
427.94	24.492	58.509
428.	24.491	58.507
428.01		
428.02		58.506
428.05	24.49	58.505
428.14		58.502
428.24	24.489	58.498
428.34	24.488	58.494
428.44	24.487	58.491
428.54	24.486	58.487
428.64	24.485	58.483

428.74	24.484	58.48
428.84	24.483	58.476
428.94	24.482	58.472
429.	24.481	58.47
429.01		
429.02		58.469
429.05		58.468
429.14	24.48	58.465
429.24	24.479	58.461
429.34	24.478	58.457
429.44	24.477	58.454
429.54	24.476	58.45
429.64	24.475	58.446
429.74	24.474	58.443
429.84	24.473	58.439
429.94		58.435
430.	24.472	58.433
430.01		
430.02		58.432
430.05		58.431
430.14	24.471	58.428
430.24	24.47	58.424
430.34	24.469	58.421
430.44	24.468	58.417
430.54	24.467	58.413
430.64	24.466	58.41
430.74	24.465	58.406
430.84		58.402
430.94	24.464	58.398
431.	24.463	58.396
431.01		
431.02		
431.05		58.394
431.14	24.462	58.391
431.24	24.461	58.387
431.34	24.46	58.384
431.44	24.459	58.38
431.54	24.458	58.376
431.64		58.372
431.74	24.457	58.369
431.84	24.456	58.365
431.94	24.455	58.361
432.	24.454	58.359
432.01		
432.02		58.358
432.05		58.357
432.14	24.453	58.354
432.24	24.452	58.35
432.34		58.346
432.44	24.451	58.343
432.54	24.45	58.339
432.64	24.449	58.335
432.74	24.448	58.331
432.84	24.447	58.328
432.94	24.446	58.324
433.		58.322
433.01		58.321
433.02		
433.05	24.445	58.32
433.14		58.317

433.24	24.444	58.313
433.34	24.443	58.309
433.44	24.442	58.306
433.54	24.441	58.302
433.64		58.298
433.74	24.44	58.295
433.84	24.439	58.291
433.94	24.438	58.287
434.		58.285
434.01		
434.02		58.284
434.05	24.437	58.283
434.14		58.28
434.24	24.436	58.276
434.34	24.435	58.273
434.44	24.434	58.269
434.54	24.433	58.266
434.64		58.262
434.74	24.432	58.259
434.84	24.431	58.255
434.94	24.43	58.252
435.		58.249
435.01		
435.02		
435.05		58.248
435.14	24.429	58.244
435.24	24.428	58.241
435.34	24.427	58.237
435.44		58.234
435.54	24.426	58.231
435.64	24.425	58.227
435.74	24.424	58.224
435.84		58.22
435.94	24.423	58.217
436.		58.215
436.01		58.214
436.02	24.422	
436.05		58.213
436.14		58.21
436.24	24.421	58.206
436.34	24.42	58.203
436.44	24.419	58.199
436.54		58.196
436.64	24.418	58.192
436.74	24.417	58.189
436.84		58.186
436.94	24.416	58.182
437.		58.18
437.01		
437.02	24.415	58.179
437.05		58.178
437.14		58.175
437.24	24.414	58.172
437.34	24.413	58.168
437.44		58.165
437.54	24.412	58.161
437.64	24.411	58.158
437.74		58.155
437.84	24.41	58.151
437.94		58.148

438.	24.409	58.145
438.01		
438.02		
438.05	24.408	58.144
438.14		58.141
438.24	24.407	58.137
438.34	24.406	58.134
438.44		58.13
438.54	24.405	58.126
438.64	24.404	58.123
438.74		58.119
438.84	24.403	58.116
438.94	24.402	58.112
439.		58.11
439.01		
439.02		
439.05		58.109
439.14	24.401	58.105
439.24	24.4	58.102
439.34		58.098
439.44	24.399	58.095
439.54	24.398	58.091
439.64		58.088
439.74	24.397	58.084
439.84	24.396	58.081
439.94		58.077
440.	24.395	58.075
440.01		
440.02		58.074
440.05		58.073
440.14	24.394	58.07
440.24		58.067
440.34	24.393	58.063
440.44	24.392	58.06
440.54		58.056
440.64	24.391	58.053
440.74	24.39	58.049
440.84		58.046
440.94	24.389	58.042
441.	24.388	58.04
441.01		
441.02		58.039
441.05		58.038
441.14		58.035
441.24	24.387	58.031
441.34	24.386	58.028
441.44	24.385	58.024
441.54		58.02
441.64	24.384	58.017
441.74	24.383	58.013
441.84		58.009
441.94	24.382	58.006
442.		58.003
442.01		
442.02	24.381	
442.05		58.002
442.14		57.998
442.24	24.38	57.994
442.34	24.379	57.991
442.44	24.378	57.987

442.54		57.983
442.64	24.377	57.979
442.74	24.376	57.975
442.84		57.972
442.94	24.375	57.968
443.	24.374	57.965
443.01		
443.02		
443.05		57.964
443.14	24.373	57.96
443.24		57.956
443.34	24.372	57.952
443.44	24.371	57.948
443.54	24.37	57.945
443.64		57.941
443.74	24.369	57.937
443.84	24.368	57.933
443.94	24.367	57.929
444.		57.927
444.01		
444.02		57.926
444.05		57.925
444.14	24.366	57.922
444.24	24.365	57.918
444.34	24.364	57.914
444.44		57.91
444.54	24.363	57.906
444.64	24.362	57.903
444.74	24.361	57.899
444.84		57.895
444.94	24.36	57.891
445.		57.889
445.01	24.359	
445.02		57.888
445.05		57.887
445.14		57.884
445.24	24.358	57.88
445.34	24.357	57.876
445.44	24.356	57.873
445.54		57.869
445.64	24.355	57.865
445.74	24.354	57.861
445.84		57.858
445.94	24.353	57.854
446.		57.852
446.01	24.352	57.851
446.02		
446.05		57.85
446.14		57.847
446.24	24.351	57.843
446.34	24.35	57.839
446.44	24.349	57.835
446.54		57.832
446.64	24.348	57.828
446.74	24.347	57.824
446.84		57.821
446.94	24.346	57.817
447.		57.815
447.01		57.814
447.02		

447.05	24.345	57.813
447.14		57.81
447.24	24.344	57.806
447.34	24.343	57.802
447.44		57.799
447.54	24.342	57.795
447.64		57.791
447.74	24.341	57.788
447.84	24.34	57.784
447.94		57.781
448.	24.339	57.779
448.01		57.778
448.02		
448.05		57.777
448.14	24.338	57.774
448.24		57.77
448.34	24.337	57.766
448.44	24.336	57.763
448.54		57.759
448.64	24.335	57.756
448.74		57.752
448.84	24.334	57.749
448.94	24.333	57.745
449.		57.743
449.01		
449.02		
449.05		57.742
449.14	24.332	57.739
449.24		57.735
449.34	24.331	57.732
449.44		57.728
449.54	24.33	57.725
449.64	24.329	57.721
449.74		57.718
449.84	24.328	57.714
449.94		57.711
450.	24.327	57.709
450.01		
450.02		57.708
450.05		57.707
450.14		57.704
450.24	24.326	57.701
450.34	24.325	57.697
450.44		57.694
450.54	24.324	57.69
450.64		57.687
450.74	24.323	57.684
450.84		57.68
450.94	24.322	57.677
451.		57.675
451.01		57.674
451.02		
451.05	24.321	57.673
451.14		57.67
451.24	24.32	57.666
451.34		57.663
451.44	24.319	57.659
451.54		57.656
451.64	24.318	57.652
451.74		57.649

451.84	24.317	57.645
451.94	24.316	57.642
452.		57.64
452.01		57.639
452.02		
452.05		57.638
452.14	24.315	57.635
452.24		57.632
452.34	24.314	57.628
452.44		57.625
452.54	24.313	57.621
452.64		57.618
452.74	24.312	57.614
452.84	24.311	57.611
452.94		57.607
453.		57.605
453.01		
453.02	24.31	
453.05		57.604
453.14		57.601
453.24	24.309	57.597
453.34		57.594
453.44	24.308	57.59
453.54		57.587
453.64	24.307	57.584
453.74		57.58
453.84	24.306	57.577
453.94	24.305	57.573
454.		57.571
454.01		
454.02		
454.05		57.57
454.14	24.304	57.567
454.24		57.563
454.34	24.303	57.56
454.44		57.557
454.54	24.302	57.553
454.64		57.55
454.74	24.301	57.547
454.84		57.543
454.94	24.3	57.54
455.		57.538
455.01		
455.02		57.537
455.05		57.536
455.14	24.299	57.533
455.24		57.53
455.34	24.298	57.527
455.44		57.523
455.54	24.297	57.52
455.64		57.517
455.74	24.296	57.513
455.84		57.51
455.94	24.295	57.507
456.		57.505
456.01		57.504
456.02		
456.05	24.294	57.503
456.14		57.5
456.24		57.497

456.34	24.293	57.493
456.44	24.292	57.49
456.54		57.487
456.64	24.291	57.483
456.74		57.48
456.84	24.29	57.477
456.94		57.473
457.		57.471
457.01		
457.02		
457.05	24.289	57.47
457.14		57.467
457.24	24.288	57.463
457.34		57.46
457.44	24.287	57.457
457.54		57.454
457.64	24.286	57.45
457.74		57.447
457.84	24.285	57.444
457.94		57.441
458.		57.439
458.01		57.438
458.02	24.284	
458.05		57.437
458.14		57.434
458.24	24.283	57.431
458.34		57.427
458.44	24.282	57.424
458.54		57.421
458.64	24.281	57.418
458.74		57.414
458.84	24.28	57.411
458.94		57.408
459.		57.406
459.01		
459.02		57.405
459.05	24.279	57.404
459.14		57.401
459.24	24.278	57.398
459.34		57.395
459.44		57.392
459.54	24.277	57.388
459.64		57.385
459.74	24.276	57.382
459.84		57.379
459.94	24.275	57.375
460.		57.373
460.01		
460.02		
460.05		57.372
460.14	24.274	57.369
460.24		57.366
460.34	24.273	57.362
460.44		57.359
460.54	24.272	57.356
460.64		57.353
460.74	24.271	57.349
460.84		57.346
460.94		57.343
461.		57.341

461.01	24.27	
461.02		57.34
461.05		57.339
461.14	24.269	57.336
461.24		57.333
461.34	24.268	57.33
461.44		57.327
461.54	24.267	57.324
461.64		57.32
461.74	24.266	57.317
461.84		57.314
461.94	24.265	57.311
462.		57.309
462.01		57.308
462.02		
462.05		57.307
462.14	24.264	57.304
462.24		57.301
462.34	24.263	57.298
462.44		57.294
462.54		57.291
462.64	24.262	57.288
462.74		57.285
462.84	24.261	57.282
462.94		57.278
463.	24.26	57.276
463.01		
463.02		
463.05		57.275
463.14		57.272
463.24	24.259	57.269
463.34		57.265
463.44	24.258	57.262
463.54		57.259
463.64	24.257	57.256
463.74		57.252
463.84	24.256	57.249
463.94		57.246
464.	24.255	57.244
464.01		
464.02		57.243
464.05		57.242
464.14		57.239
464.24	24.254	57.236
464.34		57.233
464.44	24.253	57.23
464.54		57.227
464.64	24.252	57.223
464.74		57.22
464.84	24.251	57.217
464.94		57.214
465.		57.212
465.01		
465.02		57.211
465.05	24.25	57.21
465.14		57.208
465.24		57.204
465.34	24.249	57.201
465.44		57.198
465.54	24.248	57.195

465.64		57.192
465.74	24.247	57.189
465.84		57.185
465.94	24.246	57.182
466.		57.18
466.01		
466.02		
466.05		57.179
466.14	24.245	57.176
466.24		57.173
466.34	24.244	57.17
466.44		57.167
466.54		57.163
466.64	24.243	57.16
466.74		57.157
466.84	24.242	57.154
466.94		57.151
467.	24.241	57.149
467.01		
467.02		57.148
467.05		57.147
467.14		57.145
467.24	24.24	57.142
467.34		57.138
467.44		57.135
467.54	24.239	57.132
467.64		57.129
467.74	24.238	57.126
467.84		57.123
467.94	24.237	57.12
468.		57.118
468.01		
468.02		57.117
468.05		57.116
468.14	24.236	57.114
468.24		57.111
468.34		57.107
468.44	24.235	57.104
468.54		57.101
468.64	24.234	57.098
468.74		57.095
468.84	24.233	57.092
468.94		57.089
469.		57.087
469.01		
469.02		57.086
469.05	24.232	57.085
469.14		57.083
469.24		57.08
469.34	24.231	57.076
469.44		57.073
469.54	24.23	57.07
469.64		57.067
469.74	24.229	57.064
469.84		57.061
469.94		57.058
470.	24.228	57.056
470.01		
470.02		
470.05		57.055

470.14		57.052
470.24	24.227	57.049
470.34		57.046
470.44	24.226	57.043
470.54		57.04
470.64		57.038
470.74	24.225	57.035
470.84		57.032
470.94	24.224	57.029
471.		57.027
471.01		
471.02		
471.05		57.026
471.14	24.223	57.023
471.24		57.021
471.34		57.018
471.44	24.222	57.015
471.54		57.012
471.64	24.221	57.009
471.74		57.007
471.84		57.004
471.94	24.22	57.001
472.		56.999
472.01		
472.02		
472.05		56.998
472.14	24.219	56.995
472.24		56.992
472.34		56.99
472.44	24.218	56.987
472.54		56.984
472.64	24.217	56.981
472.74		56.979
472.84		56.976
472.94	24.216	56.973
473.		56.971
473.01		
473.02		
473.05		56.97
473.14		56.967
473.24	24.215	56.965
473.34		56.962
473.44	24.214	56.959
473.54		56.956
473.64		56.954
473.74	24.213	56.951
473.84		56.948
473.94		56.946
474.	24.212	56.944
474.01		
474.02		56.943
474.05		
474.14		56.94
474.24	24.211	56.938
474.34		56.935
474.44		56.932
474.54	24.21	56.93
474.64		56.927
474.74		56.924
474.84		56.922

474.94		56.919
475.		
475.01	24.209	56.917
475.02		
475.05		56.916
475.14		56.914
475.24	24.208	56.911
475.34		56.909
475.44		56.906
475.54	24.207	56.903
475.64		56.901
475.74		56.898
475.84	24.206	56.896
475.94		56.893
476.		56.892
476.01		56.891
476.02		
476.05	24.205	56.89
476.14		56.888
476.24		56.885
476.34		56.883
476.44	24.204	56.88
476.54		56.877
476.64		56.875
476.74	24.203	56.872
476.84		56.87
476.94		56.867
477.		56.866
477.01	24.202	56.865
477.02		
477.05		56.864
477.14		56.862
477.24		56.859
477.34	24.201	56.857
477.44		56.854
477.54		56.851
477.64	24.2	56.849
477.74		56.846
477.84		56.844
477.94		56.841
478.	24.199	56.839
478.01		
478.02		
478.05		56.838
478.14		56.835
478.24	24.198	56.833
478.34		56.83
478.44		56.827
478.54	24.197	56.825
478.64		56.822
478.74	24.196	56.819
478.84		56.816
478.94		56.814
479.		56.812
479.01	24.195	
479.02		56.811
479.05		
479.14		56.808
479.24	24.194	56.805
479.34		56.803

479.44	24.193	56.8
479.54		56.797
479.64		56.795
479.74	24.192	56.792
479.84		56.789
479.94		56.786
480.	24.191	56.785
480.01		56.784
480.02		
480.05		56.783
480.14		56.781
480.24	24.19	56.778
480.34		56.775
480.44		56.773
480.54	24.189	56.77
480.64		56.767
480.74	24.188	56.765
480.84		56.762
480.94		56.759
481.	24.187	56.758
481.01		56.757
481.02		
481.05		56.756
481.14		56.754
481.24	24.186	56.751
481.34		56.748
481.44		56.746
481.54	24.185	56.743
481.64		56.74
481.74	24.184	56.738
481.84		56.735
481.94		56.732
482.	24.183	56.731
482.01		56.73
482.02		
482.05		56.729
482.14		56.727
482.24	24.182	56.724
482.34		56.722
482.44		56.719
482.54	24.181	56.716
482.64		56.714
482.74	24.18	56.711
482.84		56.708
482.94		56.706
483.	24.179	56.704
483.01		
483.02		
483.05		56.703
483.14		56.7
483.24		56.698
483.34	24.178	56.695
483.44		56.693
483.54	24.177	56.69
483.64		56.687
483.74		56.685
483.84	24.176	56.682
483.94		56.68
484.		56.678
484.01		

484.02		
484.05		56.677
484.14	24.175	56.674
484.24		56.672
484.34		56.669
484.44	24.174	56.667
484.54		56.664
484.64		56.662
484.74	24.173	56.659
484.84		56.656
484.94		56.654
485.	24.172	56.652
485.01		
485.02		
485.05		56.651
485.14		56.649
485.24		56.646
485.34	24.171	56.643
485.44		56.641
485.54	24.17	56.638
485.64		56.636
485.74		56.633
485.84	24.169	56.63
485.94		56.628
486.		56.626
486.01		
486.02		
486.05		56.625
486.14	24.168	56.623
486.24		56.62
486.34		56.617
486.44	24.167	56.615
486.54		56.612
486.64		56.609
486.74	24.166	56.607
486.84		56.604
486.94	24.165	56.602
487.		56.6
487.01		
487.02		56.599
487.05		
487.14		56.596
487.24	24.164	56.594
487.34		56.591
487.44		56.588
487.54	24.163	56.586
487.64		56.583
487.74	24.162	56.58
487.84		56.578
487.94		56.575
488.	24.161	56.573
488.01		
488.02		
488.05		56.572
488.14		56.57
488.24		56.567
488.34	24.16	56.564
488.44		56.562
488.54	24.159	56.559
488.64		56.556

488.74		56.554
488.84	24.158	56.551
488.94		56.548
489.		56.546
489.01	24.157	
489.02		
489.05		56.545
489.14		56.543
489.24		56.54
489.34	24.156	56.537
489.44		56.534
489.54	24.155	56.532
489.64		56.529
489.74		56.526
489.84	24.154	56.523
489.94		56.521
490.	24.153	56.519
490.01		
490.02		56.518
490.05		56.517
490.14		56.515
490.24	24.152	56.512
490.34		56.509
490.44		56.506
490.54	24.151	56.504
490.64		56.501
490.74	24.15	56.498
490.84		56.495
490.94	24.149	56.492
491.		56.49
491.01		
491.02		
491.05		56.489
491.14	24.148	56.486
491.24		56.483
491.34	24.147	56.481
491.44		56.478
491.54		56.475
491.64	24.146	56.472
491.74		56.469
491.84	24.145	56.466
491.94		56.463
492.	24.144	56.462
492.01		56.461
492.02		
492.05		56.46
492.14		56.457
492.24	24.143	56.455
492.34		56.452
492.44	24.142	56.449
492.54		56.446
492.64	24.141	56.443
492.74		56.44
492.84	24.14	56.437
492.94		56.434
493.		56.432
493.01		
493.02		
493.05	24.139	56.431
493.14		56.428

493.24	24.138	56.425
493.34		56.422
493.44		56.42
493.54	24.137	56.417
493.64		56.414
493.74	24.136	56.411
493.84		56.408
493.94	24.135	56.405
494.		56.403
494.01		
494.02		
494.05		56.402
494.14	24.134	56.399
494.24		56.396
494.34	24.133	56.393
494.44		56.39
494.54	24.132	56.387
494.64		56.384
494.74	24.131	56.381
494.84		56.379
494.94		56.376
495.	24.13	56.374
495.01		
495.02		56.373
495.05		56.372
495.14		56.37
495.24	24.129	56.367
495.34		56.364
495.44	24.128	56.361
495.54		56.358
495.64	24.127	56.355
495.74		56.352
495.84	24.126	56.349
495.94		56.346
496.		56.344
496.01		
496.02		
496.05	24.125	56.343
496.14		56.34
496.24		56.337
496.34	24.124	56.334
496.44		56.332
496.54	24.123	56.329
496.64		56.326
496.74	24.122	56.323
496.84		56.32
496.94	24.121	56.317
497.		56.315
497.01		
497.02		56.314
497.05		
497.14	24.12	56.311
497.24		56.308
497.34		56.305
497.44	24.119	56.302
497.54		56.299
497.64	24.118	56.296
497.74		56.293
497.84	24.117	56.29
497.94		56.287

498.		56.286
498.01		56.285
498.02	24.116	
498.05		56.284
498.14		56.282
498.24		56.279
498.34	24.115	56.276
498.44		56.273
498.54	24.114	56.27
498.64		56.267
498.74	24.113	56.264
498.84		56.261
498.94	24.112	56.258
499.		56.256
499.01		
499.02		
499.05		56.255
499.14		56.252
499.24	24.111	56.249
499.34		56.246
499.44	24.11	56.244
499.54		56.241
499.64		56.238
499.74	24.109	56.235
499.84		56.232
499.94	24.108	56.229
500.		56.227
500.01		
500.02		
500.05		56.226
500.14	24.107	56.223
500.24		56.22
500.34		56.217
500.44	24.106	56.214
500.54		56.212
500.64	24.105	56.209
500.74		56.206
500.84		56.203
500.94	24.104	56.2
501.		56.198
501.01		
501.02		
501.05		56.197
501.14	24.103	56.194
501.24		56.191
501.34		56.188
501.44	24.102	56.186
501.54		56.183
501.64	24.101	56.18
501.74		56.177
501.84		56.174
501.94	24.1	56.171
502.		56.169
502.01		
502.02		
502.05		56.168
502.14	24.099	56.165
502.24		56.163
502.34		56.16
502.44	24.098	56.157

502.54		56.154
502.64	24.097	56.151
502.74		56.148
502.84		56.146
502.94	24.096	56.143
503.		56.141
503.01		
503.02		56.14
503.05		
503.14		56.137
503.24	24.095	56.134
503.34		56.131
503.44	24.094	56.129
503.54		56.126
503.64		56.123
503.74	24.093	56.12
503.84		56.117
503.94		56.115
504.	24.092	56.113
504.01		
504.02		56.112
504.05		56.111
504.14		56.109
504.24	24.091	56.106
504.34		56.103
504.44		56.101
504.54	24.09	56.098
504.64		56.095
504.74		56.092
504.84	24.089	56.089
504.94		56.087
505.		56.085
505.01		
505.02		56.084
505.05		
505.14	24.088	56.081
505.24		56.078
505.34		56.076
505.44	24.087	56.073
505.54		56.07
505.64		56.067
505.74	24.086	56.064
505.84		56.062
505.94		56.059
506.	24.085	56.057
506.01		
506.02		
506.05		56.056
506.14		56.053
506.24		56.051
506.34	24.084	56.048
506.44		56.045
506.54	24.083	56.042
506.64		56.04
506.74		56.037
506.84	24.082	56.034
506.94		56.031
507.		56.03
507.01		56.029
507.02		

507.05		56.028
507.14	24.081	56.026
507.24		56.023
507.34		56.02
507.44	24.08	56.018
507.54		56.015
507.64		56.012
507.74	24.079	56.009
507.84		56.007
507.94		56.004
508.		56.002
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508.24		55.996
508.34	24.077	55.993
508.44		55.99
508.54		55.987
508.64	24.076	55.985
508.74		55.982
508.84		55.979
508.94	24.075	55.977
509.		55.975
509.01		
509.02		55.974
509.05		
509.14		55.971
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509.34		55.966
509.44		55.963
509.54	24.073	55.96
509.64		55.957
509.74		55.955
509.84	24.072	55.952
509.94		55.949
510.		55.948
510.01		
510.02		55.947
510.05		55.946
510.14	24.071	55.944
510.24		55.941
510.34		55.939
510.44		55.936
510.54	24.07	55.933
510.64		55.931
510.74		55.928
510.84	24.069	55.925
510.94		55.923
511.		55.921
511.01		
511.02		55.92
511.05		
511.14	24.068	55.917
511.24		55.914
511.34		55.912
511.44	24.067	55.909
511.54		55.906
511.64		55.904
511.74		55.901

511.84	24.066	55.898
511.94		55.895
512.	24.065	55.894
512.01		55.893
512.02		
512.05		55.892
512.14		55.89
512.24		55.887
512.34	24.064	55.884
512.44		55.882
512.54		55.879
512.64	24.063	55.876
512.74		55.873
512.84		55.871
512.94	24.062	55.868
513.		55.866
513.01		
513.02		
513.05		55.865
513.14		55.863
513.24	24.061	55.86
513.34		55.857
513.44		55.854
513.54	24.06	55.852
513.64		55.849
513.74		55.846
513.84	24.059	55.844
513.94		55.841
514.		55.839
514.01		
514.02		
514.05		55.838
514.14	24.058	55.836
514.24		55.833
514.34		55.83
514.44	24.057	55.828
514.54		55.825
514.64		55.822
514.74	24.056	55.82
514.84		55.817
514.94		55.814
515.		55.813
515.01	24.055	
515.02		55.812
515.05		
515.14		55.809
515.24		55.807
515.34	24.054	55.804
515.44		55.801
515.54		55.799
515.64		55.796
515.74	24.053	55.793
515.84		55.791
515.94		55.788
516.	24.052	55.787
516.01		55.786
516.02		
516.05		55.785
516.14		55.783
516.24		55.78

516.34	24.051	55.778
516.44		55.775
516.54		55.772
516.64	24.05	55.77
516.74		55.767
516.84		55.765
516.94		55.762
517.	24.049	55.76
517.01		
517.02		
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517.14		55.757
517.24		55.754
517.34	24.048	55.751
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517.54		55.746
517.64	24.047	55.743
517.74		55.741
517.84		55.738
517.94	24.046	55.735
518.		55.734
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518.02		55.733
518.05		
518.14		55.73
518.24		55.728
518.34	24.045	55.725
518.44		55.722
518.54		55.72
518.64	24.044	55.717
518.74		55.714
518.84		55.712
518.94	24.043	55.709
519.		55.708
519.01		55.707
519.02		
519.05		55.706
519.14		55.704
519.24	24.042	55.701
519.34		55.699
519.44		55.696
519.54	24.041	55.694
519.64		55.691
519.74		55.688
519.84		55.686
519.94	24.04	55.683
520.		55.682
520.01		55.681
520.02		
520.05		55.68
520.14		55.678
520.24	24.039	55.675
520.34		55.673
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520.54	24.038	55.667
520.64		55.665
520.74		55.662
520.84		55.66
520.94		55.657
521.		

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521.02		
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521.24	24.036	55.649
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521.54	24.035	55.641
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521.74		55.636
521.84	24.034	55.634
521.94		55.631
522.		55.629
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522.02		
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522.34		55.621
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522.74		55.61
522.84	24.031	55.608
522.94		55.605
523.		55.603
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523.02		
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523.14	24.03	55.6
523.24		55.597
523.34		55.595
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523.64		55.587
523.74		55.584
523.84	24.028	55.582
523.94		55.579
524.		55.578
524.01		55.577
524.02		
524.05		55.576
524.14	24.027	55.574
524.24		55.571
524.34		55.569
524.44	24.026	55.566
524.54		55.564
524.64		55.561
524.74	24.025	55.558
524.84		55.556
524.94		55.553
525.		55.552
525.01		55.551
525.02		
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525.14		55.548
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525.44	24.023	55.54
525.54		55.537

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525.74	24.022	55.532
525.84		55.53
525.94		55.527
526.	24.021	55.525
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526.02		
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526.14		55.522
526.24		55.519
526.34	24.02	55.517
526.44		55.514
526.54		55.511
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526.74		55.506
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526.94	24.018	55.501
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527.02		
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527.14		55.496
527.24		55.493
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527.74		55.48
527.84		55.478
527.94	24.015	55.475
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528.34		55.465
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528.54	24.013	55.459
528.64		55.457
528.74		55.454
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528.94		55.449
529.		55.447
529.01		
529.02		
529.05		55.446
529.14		55.444
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529.64		55.431
529.74		55.428
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529.94		55.423
530.		55.421
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530.05		55.42

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530.94		55.397
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531.01		55.395
531.02		
531.05		55.394
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531.24		55.389
531.34		55.387
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531.74	24.003	55.376
531.84		55.374
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532.14		55.366
532.24		55.363
532.34	24.001	55.361
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532.54		55.356
532.64		55.353
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532.84		55.348
532.94		55.345
533.	23.999	55.344
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533.94		55.32
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534.84		55.296

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536.02		55.266
536.05		
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536.34	23.989	55.258
536.44		55.256
536.54		55.253
536.64	23.988	55.251
536.74		55.248
536.84		55.245
536.94	23.987	55.243
537.		55.241
537.01		
537.02		
537.05		55.24
537.14		55.238
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537.34	23.986	55.233
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537.54		55.228
537.64	23.985	55.225
537.74		55.222
537.84		55.22
537.94	23.984	55.217
538.		55.216
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538.14		55.212
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538.34	23.983	55.207
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538.54		55.202
538.64	23.982	55.199
538.74		55.197
538.84		55.194
538.94	23.981	55.192
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539.34		55.182

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539.64	23.979	55.174
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541.	23.975	55.139
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541.34	23.974	55.131
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541.64	23.973	55.123
541.74		55.121
541.84		55.118
541.94		55.116
542.	23.972	55.114
542.01		
542.02		
542.05		55.113
542.14		55.111
542.24		55.108
542.34	23.971	55.105
542.44		55.103
542.54		55.1
542.64	23.97	55.098
542.74		55.095
542.84		55.093
542.94		55.09
543.	23.969	55.089
543.01		
543.02		55.088
543.05		
543.14		55.085
543.24		55.083
543.34	23.968	55.08
543.44		55.078
543.54		55.075
543.64		55.073
543.74	23.967	55.07
543.84		55.068
543.94		55.065
544.		55.064
544.01		

544.02		55.063
544.05	23.966	
544.14		55.06
544.24		55.058
544.34		55.055
544.44	23.965	55.053
544.54		55.05
544.64		55.048
544.74	23.964	55.046
544.84		55.043
544.94		55.041
545.		55.039
545.01		
545.02		
545.05		55.038
545.14	23.963	55.036
545.24		55.033
545.34		55.031
545.44		55.028
545.54	23.962	55.026
545.64		55.023
545.74		55.021
545.84	23.961	55.018
545.94		55.016
546.		55.015
546.01		55.014
546.02		
546.05		55.013
546.14		55.011
546.24	23.96	55.009
546.34		55.006
546.44		55.004
546.54		55.001
546.64	23.959	54.999
546.74		54.996
546.84		54.994
546.94		54.991
547.	23.958	54.99
547.01		
547.02		54.989
547.05		
547.14		54.986
547.24		54.984
547.34	23.957	54.982
547.44		54.979
547.54		54.977
547.64		54.974
547.74	23.956	54.972
547.84		54.969
547.94		54.967
548.		54.965
548.01		
548.02		
548.05	23.955	54.964
548.14		54.962
548.24		54.959
548.34		54.957
548.44	23.954	54.954
548.54		54.952
548.64		54.949

548.74		54.947
548.84	23.953	54.945
548.94		54.942
549.		54.941
549.01		54.94
549.02		
549.05		54.939
549.14	23.952	54.937
549.24		54.935
549.34		54.932
549.44		54.93
549.54	23.951	54.927
549.64		54.925
549.74		54.923
549.84		54.92
549.94	23.95	54.918
550.		54.916
550.01		
550.02		
550.05		54.915
550.14		54.913
550.24	23.949	54.91
550.34		54.908
550.44		54.905
550.54		54.903
550.64	23.948	54.9
550.74		54.898
550.84		54.895
550.94	23.947	54.893
551.		54.892
551.01		54.891
551.02		
551.05		54.89
551.14		54.888
551.24		54.886
551.34	23.946	54.883
551.44		54.881
551.54		54.878
551.64		54.876
551.74	23.945	54.873
551.84		54.871
551.94		54.868
552.		54.867
552.01	23.944	54.866
552.02		
552.05		
552.14		54.863
552.24		54.861
552.34		54.858
552.44	23.943	54.856
552.54		54.854
552.64		54.851
552.74	23.942	54.849
552.84		54.846
552.94		54.844
553.		54.842
553.01		
553.02		
553.05		54.841
553.14		54.839

553.24	23.941	54.836
553.34		54.834
553.44	23.94	54.831
553.54		54.829
553.64		54.827
553.74		54.824
553.84	23.939	54.822
553.94		54.819
554.		54.818
554.01		
554.02		54.817
554.05		
554.14	23.938	54.814
554.24		54.812
554.34		54.809
554.44		54.807
554.54	23.937	54.805
554.64		54.802
554.74		54.8
554.84		54.797
554.94	23.936	54.795
555.		54.793
555.01		
555.02		
555.05		54.792
555.14		54.79
555.24	23.935	54.788
555.34		54.785
555.44		54.783
555.54		54.78
555.64	23.934	54.778
555.74		54.775
555.84		54.773
555.94		54.771
556.	23.933	54.769
556.01		
556.02		
556.05		54.768
556.14		54.766
556.24		54.763
556.34	23.932	54.761
556.44		54.759
556.54		54.756
556.64		54.754
556.74	23.931	54.751
556.84		54.749
556.94		54.747
557.		54.745
557.01		
557.02		
557.05		54.744
557.14	23.93	54.742
557.24		54.74
557.34		54.737
557.44		54.735
557.54	23.929	54.733
557.64		54.73
557.74		54.728
557.84		54.726
557.94		54.723

558.	23.928	54.722
558.01		
558.02		54.721
558.05		
558.14		54.719
558.24		54.716
558.34	23.927	54.714
558.44		54.712
558.54		54.709
558.64		54.707
558.74	23.926	54.705
558.84		54.702
558.94		54.7
559.		54.699
559.01		
559.02		54.698
559.05		
559.14		54.696
559.24	23.925	54.693
559.34		54.691
559.44		54.689
559.54		54.687
559.64	23.924	54.684
559.74		54.682
559.84		54.68
559.94		54.678
560.		54.676
560.4	23.923	54.667
560.8	23.922	54.659
562.	23.92	54.632
565.6	23.912	54.553
569.6	23.902	54.465
573.6	23.893	54.378
577.6	23.883	54.292
581.6	23.874	54.205
585.6	23.864	54.119
589.6	23.855	54.033
593.6	23.845	53.948
597.6	23.836	53.863
600.	23.83	53.812
606.	23.816	53.685
612.	23.802	53.559
630.	23.761	53.186
684.	23.649	52.119
744.	23.54	50.985
804.	23.44	49.893
864.	23.347	48.84
924.	23.263	47.832
984.	23.184	46.859
1044.	23.112	45.92
1104.	23.045	45.015
1164.	22.983	44.142
1200.	22.946	43.63
1212.	22.935	43.461
1224.	22.919	43.292
1260.	22.871	42.798
1368.	22.75	41.398
1476.	22.649	40.079
1596.	22.554	38.706
1716.	22.473	37.418

1836.	22.404	36.211
1956.	22.345	35.079
2076.	22.293	34.015
2196.	22.247	33.017
2316.	22.207	32.079
2400.	22.181	31.451
2412.	22.178	31.362
2424.	22.174	31.273
2460.	22.164	31.014
2568.	22.136	30.274
2676.	22.111	29.574
2796.	22.086	28.844
2916.	22.063	28.156
3036.	22.043	27.51
3156.	22.025	26.902
3276.	22.008	26.331
3396.	21.993	25.866
3516.	21.979	25.594
3600.	21.97	25.41
3612.	21.969	25.384
3624.	21.967	25.358
3660.	21.964	25.281
3768.	21.953	25.079
3876.	21.944	24.937
3996.	21.934	24.788
4116.	21.925	24.645
4236.	21.917	24.505
4356.	21.909	24.37
4476.	21.902	24.239
4596.	21.664	24.112
4716.	21.425	23.989
4800.	21.264	23.905
4812.	21.241	23.893
4824.	21.219	23.881
4860.	21.151	23.845
4968.	20.961	23.741
5076.	20.777	23.64
5196.	20.565	23.531
5316.	20.364	23.425
5436.	20.175	23.322
5556.	19.997	23.223
5676.	19.83	23.126
5796.	19.672	23.032
5916.	19.523	22.941
6000.	19.423	22.879
6012.	19.409	22.87
6024.	19.395	22.861
6060.	19.353	22.834
6168.	19.235	22.757
6276.	19.123	22.682
6396.	19.005	22.601
6516.	18.895	22.523
6636.	18.79	22.446
6756.	18.692	22.372
6876.	18.599	22.3
6996.	18.511	22.234
7116.	18.429	22.182
7200.	18.374	22.146
7212.	18.366	22.141
7224.	18.358	22.136
7260.		

	18.336	22.122
7368.	18.273	22.082
7476.	18.216	22.046
7596.	18.157	22.029
7716.	18.103	22.031
7836.	18.055	22.033
7956.	18.01	22.034
8076.	17.97	22.037
8196.	17.933	22.039
8316.	17.898	22.041
8400.	17.876	22.042
8412.	17.873	22.043
8424.	17.869	
8460.	17.86	
8568.	17.833	22.045
8688.	17.804	22.047
8808.	17.776	22.048
8928.	17.749	22.05
9048.	17.723	22.051
9168.	17.698	22.053
9288.	17.674	22.054
9408.	17.651	22.055
9528.	17.629	22.056
9600.	17.616	22.057
9612.	17.614	
9624.	17.612	
9660.	17.606	22.058
9768.	17.587	22.059
9888.	17.568	22.06
10008	17.549	22.061
10128	17.531	22.062
10248	17.514	22.063
10368	17.497	22.064
10488	17.481	
10608	17.466	22.065
10728	17.451	22.066
10800	17.443	22.067

FIGURE 16
Model (O4) > Transient Thermal (O5) > Solution (O6) > Drum T

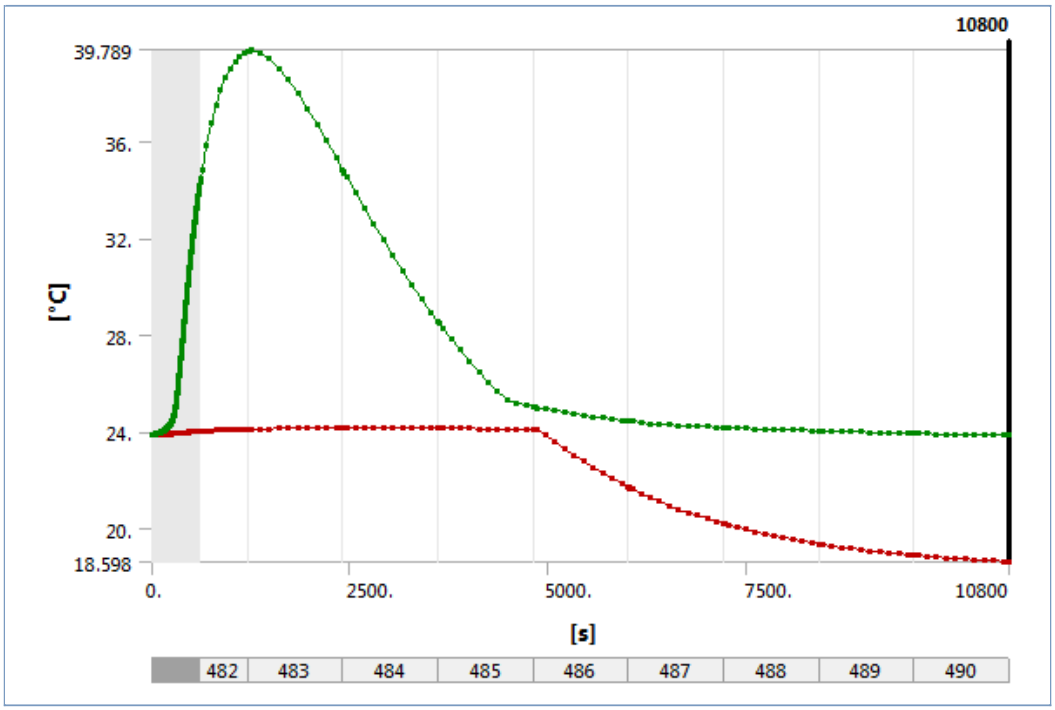

TABLE 27
Model (O4) > Transient Thermal (O5) > Solution (O6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		

5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		

14.28
14.48
14.68
14.88
15.08
15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68

24.	23.89		
24.02			
24.04			
24.1			
24.28			
24.48			
24.68			
24.88			
25.08			
25.28			
25.48			

	23.89
25.68	
25.88	
26.	
26.02	
26.04	
26.1	
26.28	
26.48	
26.68	
26.88	
27.08	
27.28	
27.48	
27.68	
27.88	
28.	
28.02	23.891
28.04	
28.1	
28.28	
28.48	
28.68	
28.88	
29.08	
29.28	
29.48	
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	
30.68	
30.88	
31.08	
31.28	
31.48	
31.68	
31.88	
32.	
32.02	
32.04	23.892
32.1	
32.28	
32.48	
32.68	
32.88	
33.08	
33.28	
33.48	
33.68	
33.88	
34.	
34.02	
34.04	
34.1	
34.28	

34.48		
34.68		
34.88		
35.08		
35.28		
35.48		
35.68		
35.88		23.893
36.		
36.02		
36.04		
36.1		
36.28		
36.48		
36.68		
36.88		
37.08		
37.28		
37.48		
37.68		
37.88		
38.		
38.02		
38.04		23.894
38.1		
38.28		
38.48		
38.68		
38.88		
39.08		
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		
40.1		
40.28		
40.48		
40.68		23.895
40.88		
41.08		
41.28		
41.48		
41.68		
41.88		
42.		
42.02		
42.04		
42.1		
42.28		
42.48		
42.68		
42.88		23.896
43.08		
43.28		
43.48		
43.68		
43.88		

44.		
44.02		
44.04		
44.1		
44.28		
44.48		23.897
44.68		
44.88		
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		
46.28		
46.48		23.898
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		
47.88		
48.		
48.02		
48.04		
48.1		
48.28		
48.48		23.899
48.68		
48.88		
49.08		
49.28		
49.48		
49.68		
49.88		
50.		
50.02		
50.04		
50.1		
50.28		23.9
50.48		
50.68		
50.88		
51.08		
51.28		
51.48		
51.68		
51.88		
52.		23.901
52.02		
52.04		
52.1		
52.28		
52.48		
52.68		
52.88		

53.08	
53.28	
53.48	
53.68	23.902
53.88	
54.	
54.02	
54.04	
54.1	
54.28	
54.48	
54.68	
54.88	
55.08	
55.28	23.903
55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	
56.28	
56.48	
56.68	
56.88	23.904
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
58.1	
58.28	23.905
58.48	
58.68	
58.88	
59.08	
59.28	
59.48	
59.68	
59.88	23.906
60.	
60.02	
60.04	
60.1	
60.28	
60.48	
60.68	
60.88	
61.08	
61.28	23.907
61.48	
61.68	
61.88	
62.	
62.02	
62.04	

62.1	
62.28	
62.48	23.908
62.68	
62.88	
63.08	
63.28	
63.48	
63.68	
63.88	23.909
64.	
64.02	
64.04	
64.1	
64.28	
64.48	
64.68	
64.88	
65.08	23.91
65.28	
65.48	
65.68	
65.88	
66.	
66.02	
66.04	
66.1	
66.28	
66.48	23.911
66.68	
66.88	
67.08	
67.28	
67.48	
67.68	23.912
67.88	
68.	
68.02	
68.04	
68.1	
68.28	
68.48	
68.68	23.913
68.88	
69.08	
69.28	
69.48	
69.68	
69.88	23.914
70.	
70.02	
70.04	
70.1	
70.28	
70.48	
70.68	
70.88	
71.08	23.915
71.28	
71.48	

71.68		
71.88		
72.		23.916
72.02		
72.04		
72.1		
72.28		
72.48		
72.68		
72.88		
73.08		23.917
73.28		
73.48		
73.68		
73.88		
74.		
74.02		
74.04		23.918
74.1		
74.28		
74.48		
74.68		
74.88		
75.08		23.919
75.28		
75.48		
75.68		
75.88		
76.		
76.02		
76.04		23.92
76.1		
76.28		
76.48		
76.68		
76.88		
77.08		23.921
77.28		
77.48		
77.68		
77.88		
78.		23.922
78.02		
78.04		
78.1		
78.28		
78.48		
78.68		
78.88		23.923
79.08		
79.28		
79.48		
79.68		
79.88		23.924
80.		
80.02		
80.04		
80.1		
80.28		
80.48		

80.68	
80.88	
81.08	23.925
81.28	
81.48	
81.68	
81.88	
82.	
82.02	23.926
82.04	
82.1	
82.28	
82.48	
82.68	
82.88	23.927
83.08	
83.28	
83.48	
83.68	
83.88	
84.	23.928
84.02	
84.04	
84.1	
84.28	
84.48	23.929
84.68	
84.88	
85.08	
85.28	23.93
85.48	
85.68	
85.88	
86.	
86.02	
86.04	23.931
86.1	
86.28	
86.48	
86.68	
86.88	
87.08	23.932
87.28	
87.48	
87.68	
87.88	
88.	
88.02	23.933
88.04	
88.1	
88.28	
88.48	
88.68	23.934
88.88	
89.08	
89.28	
89.48	23.935
89.68	
89.88	
90.	

90.02		23.936
90.04		
90.1		
90.28		
90.48		
90.68		
90.88		23.937
91.08		
91.28		
91.48		
91.68		23.938
91.88		
92.		
92.02		
92.04		
92.1		
92.28		
92.48		23.939
92.68		
92.88		
93.08		23.94
93.28		
93.48		
93.68		
93.88		23.941
94.		
94.02		
94.04		
94.1		
94.28		
94.48		
94.68		23.942
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220.74	
220.84	24.232
220.94	
221.	
221.01	
221.02	
221.05	

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221.44	
221.54	
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221.74	
221.84	
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222.	
222.01	
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222.05	
222.14	24.237

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223.05		
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223.94		24.244
224.		
224.01		
224.02		
224.05		
224.14		
224.24		24.245
224.34		
224.44		
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224.64		
224.74		24.247
224.84		
224.94		24.248
225.		
225.01		
225.02		
225.05		
225.14		
225.24		24.249
225.34		
225.44		24.25
225.54		
225.64		
225.74		24.251
225.84		
225.94		24.252
226.		
226.01		
226.02		
226.05		
226.14		
226.24		24.253
226.34		
226.44		24.254
226.54		
226.64		24.255
226.74		
226.84		

226.94	24.256
227.	
227.01	
227.02	
227.05	
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227.44	
227.54	
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227.94	
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228.05	
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229.02	
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229.94	
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230.02	
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230.94	
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231.02	
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231.34	

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231.94	
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232.02	
232.05	
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232.44	
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232.64	
232.74	24.284
232.84	
232.94	24.285
233.	
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233.94	
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234.64	
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234.84	
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235.	
235.01	
235.02	
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235.34	
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235.64	24.3
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235.94	24.302
236.	
236.01	

236.02	
236.05	
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236.54	
236.64	24.306
236.74	24.307
236.84	
236.94	24.308
237.	
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237.02	
237.05	
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237.54	
237.64	24.312
237.74	24.313
237.84	

	23.895	
237.94		
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238.64		
238.74		24.319
238.84		
238.94		24.32
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239.05		
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239.44		
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239.64		24.325
239.74		
239.84		24.326
239.94		
240.		24.327
240.01		
240.02		
240.05		
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240.24		
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240.44		24.33
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241.34		24.336
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241.54		
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241.74		24.339
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241.94		24.34
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242.02		24.341
242.05		
242.14		
242.24		24.342

242.34	24.343
242.44	
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242.64	24.345
242.74	24.346
242.84	
242.94	24.347
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243.02	
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243.54	
243.64	24.352
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243.84	24.354
243.94	
244.	24.355
244.01	
244.02	
244.05	
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244.24	24.357
244.34	
244.44	24.358
244.54	24.359
244.64	24.36
244.74	
244.84	24.361
244.94	24.362
245.	
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245.02	
245.05	24.363
245.14	
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245.44	24.366
245.54	
245.64	24.367
245.74	24.368
245.84	24.369
245.94	24.37
246.	
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246.02	
246.05	
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246.34	24.373
246.44	24.374
246.54	
246.64	24.375
246.74	24.376
246.84	24.377
246.94	
247.	

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247.02	
247.05	
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247.34	24.381
247.44	24.382
247.54	
247.64	24.383
247.74	24.384
247.84	24.385
247.94	24.386
248.	
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248.05	24.387

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248.64		24.392
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248.84		24.393
248.94		24.394
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249.02		
249.05		
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249.34		24.398
249.44		24.399
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249.64		24.4
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249.94		24.403
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250.02		
250.05		
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250.94		24.412
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251.02		
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251.44		24.416
251.54		24.417
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252.02		24.422
252.05		
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252.64		24.427
252.74		24.428

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253.	24.431
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253.54	24.436
253.64	24.437
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253.84	24.439
253.94	24.44
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254.44	24.444
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254.84	24.448
254.94	24.449
255.	24.45
255.01	
255.02	
255.05	
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255.24	24.452
255.34	24.453
255.44	24.454
255.54	24.455
255.64	24.456
255.74	24.457
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255.94	24.459
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256.05	
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256.24	24.462
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256.44	24.464
256.54	24.465
256.64	24.466
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256.84	24.468
256.94	24.469
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257.02	
257.05	
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257.24	24.472

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257.84		24.478
257.94		24.479
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258.54		24.485
258.64		24.486
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258.84		24.488
258.94		24.489
259.		24.49
259.01		
259.02		
259.05		24.491
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259.24		24.493
259.34		24.494
259.44		24.495
259.54		24.496
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259.84		24.499
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260.		24.501
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260.05		
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261.94		24.522
262.		

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262.05		
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262.94		24.533
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264.94		24.557
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265.05		
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265.34		24.561
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265.54		24.564
265.64		24.565
265.74		24.566
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266.		24.569
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266.02		24.57
266.05		
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266.34		24.573
266.44		24.575
266.54		24.576

266.64	24.577
266.74	24.578
266.84	24.58
266.94	24.581
267.	
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267.02	
267.05	
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267.24	24.584
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267.44	24.587
267.54	24.588
267.64	24.589
267.74	24.591
267.84	24.592
267.94	24.593
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268.02	
268.05	
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268.44	24.599
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268.94	24.606
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271.02	
271.05	24.633

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271.84		24.643
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272.05		
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272.34		24.65
272.44		24.651
272.54		24.653
272.64		24.654
272.74		24.655
272.84		24.657
272.94	23.9	24.658
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273.44		24.665
273.54		24.666
273.64		24.668
273.74		24.669
273.84		24.671
273.94		24.672
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274.94		24.686
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275.05		
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275.84		24.699

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276.74		24.712
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277.84		24.727
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278.84		24.742
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279.34		24.749
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279.84		24.757
279.94		24.758
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280.14		24.761
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280.34		24.764

280.44		24.766
280.54		24.767
280.64		24.769
280.74		24.77
280.84		24.772
280.94		24.773
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281.24		24.778
281.34		24.779
281.44		24.781
281.54		24.782
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281.84		24.787
281.94		24.788
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283.84		24.817
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286.34		24.856
286.44		24.858
286.54		24.86
286.64		24.861
286.74		24.863
286.84		24.864
286.94		24.866
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287.14		24.869
287.24		24.871
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287.44		24.874
287.54		24.876
287.64		24.877
287.74		24.879
287.84		24.881
287.94		24.882
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288.02		24.884
288.05		
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288.24		24.887
288.34		24.889
288.44		24.891
288.54		24.892
288.64		24.894
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288.84		24.897
288.94		24.899
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289.64		24.911

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290.44		24.924
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292.01		
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292.14		24.953
292.24		24.955
292.34		24.957
292.44		24.959
292.54		24.96
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294.44		24.994
294.54		24.996
294.64		24.998
294.74		24.999
294.84		25.001
294.94		25.003
295.		25.004
295.01		
295.02		
295.05		25.005
295.14		25.007
295.24		25.008
295.34		25.01
295.44		25.012
295.54		25.014
295.64		25.016
295.74		25.018
295.84		25.019
295.94	23.905	25.021
296.		25.022
296.01		25.023
296.02		
296.05		
296.14		25.025
296.24		25.027
296.34		25.029
296.44		25.03
296.54		25.032
296.64		25.034
296.74		25.036
296.84		25.038
296.94		25.04
297.		25.041
297.01		
297.02		
297.05		25.042
297.14		25.044
297.24		25.046
297.34		25.048
297.44		25.05
297.54		25.051
297.64		25.053
297.74		25.055
297.84		25.057
297.94		25.059
298.		25.06
298.01		25.061
298.02		
298.05		
298.14		25.063
298.24		25.065
298.34		25.067
298.44		25.069
298.54		25.071
298.64		25.073
298.74		25.075
298.84		25.077
298.94		25.079

299.	23.906	25.08
299.01		
299.02		25.081
299.05		
299.14		25.083
299.24		25.085
299.34		25.087
299.44		25.089
299.54		25.091
299.64		25.093
299.74		25.095
299.84		25.097
299.94		25.099
300.		25.1
300.01		25.101
300.02		
300.05		25.102
300.14		25.103
300.24		25.105
300.34		25.108
300.44		25.11
300.54		25.112
300.64		25.114
300.74		25.116
300.84		25.118
300.94		25.12
301.		25.121
301.01		25.122
301.02		
301.05		
301.14		25.124
301.24	23.907	25.126
301.34		25.129
301.44		25.131
301.54		25.133
301.64		25.135
301.74		25.137
301.84		25.139
301.94		25.141
302.		25.143
302.01		
302.02		
302.05		25.144
302.14		25.146
302.24		25.148
302.34		25.15
302.44		25.152
302.54		25.154
302.64		25.157
302.74		25.159
302.84		25.161
302.94		25.163
303.		25.165
303.01		
303.02		
303.05		25.166
303.14		25.168
303.24		25.17
303.34		25.172
303.44		25.174

303.54		25.177
303.64		25.179
303.74		25.181
303.84		25.183
303.94		25.186
304.		25.187
304.01		
304.02		25.188
304.05		
304.14		25.19
304.24		25.193
304.34		25.195
304.44		25.197
304.54		25.2
304.64		25.202
304.74		25.204
304.84		25.207
304.94		25.209
305.		25.211
305.01		
305.02		
305.05		25.212
305.14		25.214
305.24		25.216
305.34		25.219
305.44		25.221
305.54		25.224
305.64		25.226
305.74		25.229
305.84		25.231
305.94		25.234
306.	23.908	25.235
306.01		
306.02		25.236
306.05		
306.14		25.239
306.24		25.241
306.34		25.244
306.44		25.246
306.54		25.249
306.64		25.251
306.74		25.254
306.84		25.257
306.94		25.259
307.		25.261
307.01		
307.02		
307.05		25.262
307.14		25.264
307.24		25.267
307.34		25.27
307.44		25.272
307.54		25.275
307.64		25.277
307.74		25.28
307.84		25.283
307.94		25.285
308.		25.287
308.01		
308.02		

308.05		25.288
308.14		25.291
308.24		25.293
308.34		25.296
308.44		25.299
308.54		25.301
308.64		25.304
308.74		25.307
308.84		25.309
308.94		25.312
309.		25.314
309.01		
309.02		
309.05	23.909	25.315
309.14		25.317
309.24		25.32
309.34		25.323
309.44		25.326
309.54		25.328
309.64		25.331
309.74		25.334
309.84		25.336
309.94		25.339
310.		25.341
310.01		
310.02		
310.05		25.342
310.14		25.345
310.24		25.347
310.34		25.35
310.44		25.353
310.54		25.356
310.64		25.358
310.74		25.361
310.84		25.364
310.94		25.367
311.		25.368
311.01		25.369
311.02		
311.05		25.37
311.14		25.372
311.24		25.375
311.34		25.378
311.44	23.91	25.381
311.54		25.383
311.64		25.386
311.74		25.389
311.84		25.392
311.94		25.395
312.		25.396
312.01		25.397
312.02		
312.05		25.398
312.14		25.4
312.24		25.403
312.34		25.406
312.44		25.409
312.54		25.412
312.64		25.414
312.74		25.417

312.84		25.42
312.94		25.423
313.		25.425
313.01		
313.02		
313.05		25.426
313.14		25.429
313.24		25.431
313.34		25.434
313.44		25.437
313.54		25.44
313.64		25.443
313.74		25.446
313.84		25.449
313.94		25.451
314.		25.453
314.01	23.911	
314.02		25.454
314.05		25.455
314.14		25.457
314.24		25.46
314.34		25.463
314.44		25.466
314.54		25.469
314.64		25.472
314.74		25.475
314.84		25.477
314.94		25.48
315.		25.482
315.01		
315.02		25.483
315.05		25.484
315.14		25.486
315.24		25.489
315.34		25.492
315.44		25.495
315.54		25.498
315.64		25.501
315.74		25.504
315.84		25.507
315.94		25.51
316.		25.511
316.01		25.512
316.02		
316.05		25.513
316.14		25.516
316.24		25.518
316.34	23.912	25.521
316.44		25.524
316.54		25.527
316.64		25.53
316.74		25.533
316.84		25.536
316.94		25.539
317.		25.541
317.01		
317.02		25.542
317.05		25.543
317.14		25.545
317.24		25.548

317.34		25.551
317.44		25.554
317.54		25.557
317.64		25.56
317.74		25.563
317.84		25.566
317.94		25.569
318.		25.571
318.01		
318.02		25.572
318.05		25.573
318.14		25.575
318.24		25.578
318.34		25.582
318.44		25.585
318.54		25.588
318.64		25.591
318.74		25.594
318.84		25.597
318.94		25.6
319.		25.602
319.01	23.913	
319.02		
319.05		25.603
319.14		25.606
319.24		25.609
319.34		25.612
319.44		25.615
319.54		25.618
319.64		25.621
319.74		25.624
319.84		25.627
319.94		25.63
320.		25.632
320.01		25.633
320.02		
320.05		25.634
320.14		25.637
320.24		25.64
320.34		25.643
320.44		25.646
320.54		25.649
320.64		25.652
320.74		25.655
320.84		25.658
320.94		25.661
321.		25.663
321.01		25.664
321.02		
321.05	23.914	25.665
321.14		25.668
321.24		25.671
321.34		25.674
321.44		25.677
321.54		25.68
321.64		25.683
321.74		25.686
321.84		25.689
321.94		25.693
322.		25.694

322.01		25.695
322.02		
322.05		25.696
322.14		25.699
322.24		25.702
322.34		25.705
322.44		25.708
322.54		25.711
322.64		25.714
322.74		25.718
322.84		25.721
322.94		25.724
323.		25.726
323.01		
323.02		
323.05		25.727
323.14		25.73
323.24		25.733
323.34		25.736
323.44		25.74
323.54		25.743
323.64		25.746
323.74	23.915	25.749
323.84		25.752
323.94		25.755
324.		25.757
324.01		
324.02		25.758
324.05		25.759
324.14		25.762
324.24		25.765
324.34		25.768
324.44		25.771
324.54		25.774
324.64		25.777
324.74		25.781
324.84		25.784
324.94		25.787
325.		25.789
325.01		
325.02		
325.05		25.79
325.14		25.793
325.24		25.796
325.34		25.8
325.44		25.803
325.54		25.806
325.64		25.809
325.74	23.916	25.812
325.84		25.815
325.94		25.819
326.		25.82
326.01		25.821
326.02		
326.05		25.822
326.14		25.825
326.24		25.828
326.34		25.831
326.44		25.834
326.54		25.838

326.64		25.841
326.74		25.844
326.84		25.847
326.94		25.85
327.		25.852
327.01		25.853
327.02		
327.05		25.854
327.14		25.857
327.24		25.86
327.34		25.863
327.44		25.866
327.54		25.87
327.64		25.873
327.74		25.876
327.84		25.879
327.94		25.882
328.		25.884
328.01		25.885
328.02		
328.05		25.886
328.14		25.889
328.24		25.892
328.34		25.895
328.44	23.917	25.898
328.54		25.901
328.64		25.905
328.74		25.908
328.84		25.911
328.94		25.914
329.		25.916
329.01		25.917
329.02		
329.05		25.918
329.14		25.921
329.24		25.924
329.34		25.927
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329.54		25.934
329.64		25.937
329.74		25.94
329.84		25.943
329.94		25.946
330.		25.948
330.01		25.949
330.02		
330.05		25.95
330.14		25.953
330.24		25.956
330.34	23.918	25.959
330.44		25.962
330.54		25.966
330.64		25.969
330.74		25.972
330.84		25.975
330.94		25.979
331.		25.98
331.01		25.981
331.02		
331.05		25.982

331.14		25.985
331.24		25.988
331.34		25.991
331.44		25.995
331.54		25.998
331.64		26.001
331.74		26.004
331.84		26.008
331.94		26.011
332.		26.013
332.01		
332.02		
332.05		26.014
332.14		26.017
332.24		26.021
332.34		26.024
332.44		26.027
332.54		26.03
332.64		26.033
332.74		26.037
332.84		26.04
332.94		26.043
333.		26.045
333.01		
333.02	23.919	26.046
333.05		26.047
333.14		26.05
333.24		26.053
333.34		26.056
333.44		26.059
333.54		26.063
333.64		26.066
333.74		26.069
333.84		26.072
333.94		26.076
334.		26.078
334.01		
334.02		
334.05		26.079
334.14		26.082
334.24		26.085
334.34		26.089
334.44		26.092
334.54		26.095
334.64		26.098
334.74		26.102
334.84		26.105
334.94		26.108
335.		26.11
335.01		
335.02	23.92	26.111
335.05		26.112
335.14		26.115
335.24		26.118
335.34		26.121
335.44		26.124
335.54		26.128
335.64		26.131
335.74		26.134
335.84		26.138

335.94		26.141
336.		26.143
336.01		
336.02		
336.05		26.144
336.14		26.147
336.24		26.151
336.34		26.154
336.44		26.157
336.54		26.16
336.64		26.164
336.74	23.921	26.167
336.84		26.17
336.94		26.173
337.		26.175
337.01		26.176
337.02		
337.05		26.177
337.14		26.18
337.24		26.183
337.34		26.187
337.44		26.19
337.54		26.193
337.64		26.196
337.74		26.2
337.84		26.203
337.94		26.206
338.		26.208
338.01		26.209
338.02		
338.05		26.21
338.14		26.213
338.24		26.216
338.34		26.219
338.44		26.223
338.54		26.226
338.64		26.229
338.74		26.232
338.84		26.236
338.94		26.239
339.		26.241
339.01		
339.02		26.242
339.05	23.922	26.243
339.14		26.246
339.24		26.249
339.34		26.252
339.44		26.255
339.54		26.259
339.64		26.262
339.74		26.265
339.84		26.269
339.94		26.272
340.		26.274
340.01		
340.02		26.275
340.05		26.276
340.14		26.279
340.24		26.282
340.34		26.285

340.44		26.288
340.54		26.292
340.64		26.295
340.74		26.298
340.84		26.302
340.94		26.305
341.		26.307
341.01		
341.02		26.308
341.05		26.309
341.14		26.312
341.24		26.315
341.34		26.318
341.44		26.321
341.54		26.325
341.64		26.328
341.74		26.331
341.84		26.335
341.94		26.338
342.		26.34
342.01		
342.02		26.341
342.05		26.342
342.14		26.345
342.24		26.348
342.34		26.351
342.44		26.354
342.54	23.923	26.358
342.64		26.361
342.74		26.364
342.84		26.368
342.94		26.371
343.		26.373
343.01		
343.02		26.374
343.05		26.375
343.14		26.378
343.24		26.381
343.34		26.384
343.44		26.388
343.54		26.391
343.64		26.394
343.74		26.398
343.84		26.401
343.94		26.404
344.		26.406
344.01		
344.02		26.407
344.05		26.408
344.14		26.411
344.24		26.414
344.34	23.924	26.417
344.44		26.421
344.54		26.424
344.64		26.427
344.74		26.431
344.84		26.434
344.94		26.437
345.		26.439
345.01		26.44

345.02		
345.05		26.441
345.14		26.444
345.24		26.447
345.34		26.451
345.44		26.454
345.54		26.457
345.64		26.461
345.74		26.464
345.84		26.467
345.94		26.471
346.		26.473
346.01		
346.02		
346.05		26.474
346.14		26.477
346.24		26.481
346.34		26.484
346.44		26.487
346.54		26.491
346.64		26.494
346.74		26.497
346.84		26.501
346.94		26.504
347.		26.506
347.01		
347.02		26.507
347.05		26.508
347.14		26.511
347.24	23.925	26.514
347.34		26.517
347.44		26.521
347.54		26.524
347.64		26.527
347.74		26.531
347.84		26.534
347.94		26.537
348.		26.539
348.01		26.54
348.02		
348.05		26.541
348.14		26.544
348.24		26.547
348.34		26.551
348.44		26.554
348.54		26.557
348.64		26.561
348.74		26.564
348.84		26.567
348.94		26.571
349.		26.573
349.01		
349.02	23.926	
349.05		26.574
349.14		26.577
349.24		26.581
349.34		26.584
349.44		26.587
349.54		26.591
349.64		26.594

349.74		26.597
349.84		26.601
349.94		26.604
350.		26.606
350.01		
350.02		26.607
350.05		26.608
350.14		26.611
350.24		26.614
350.34		26.618
350.44		26.621
350.54		26.624
350.64		26.628
350.74		26.631
350.84		26.634
350.94		26.638
351.		26.64
351.01		
351.02		
351.05		26.641
351.14		26.644
351.24		26.648
351.34		26.651
351.44		26.654
351.54		26.658
351.64		26.661
351.74		26.664
351.84		26.668
351.94		26.671
352.		26.673
352.01	23.927	26.674
352.02		
352.05		26.675
352.14		26.678
352.24		26.681
352.34		26.685
352.44		26.688
352.54		26.691
352.64		26.695
352.74		26.698
352.84		26.701
352.94		26.705
353.		26.707
353.01		
353.02		26.708
353.05		26.709
353.14		26.712
353.24		26.715
353.34		26.718
353.44		26.722
353.54		26.725
353.64		26.728
353.74		26.732
353.84		26.735
353.94		26.738
354.		26.741
354.01		
354.02		
354.05		26.742
354.14		26.745

354.24		26.749
354.34		26.752
354.44		26.755
354.54		26.759
354.64		26.762
354.74		26.765
354.84		26.769
354.94		26.772
355.	23.928	26.774
355.01		26.775
355.02		
355.05		26.776
355.14		26.779
355.24		26.782
355.34		26.786
355.44		26.789
355.54		26.792
355.64		26.796
355.74		26.799
355.84		26.803
355.94		26.806
356.		26.808
356.01		
356.02		26.809
356.05		26.81
356.14		26.813
356.24		26.816
356.34		26.819
356.44		26.823
356.54		26.826
356.64		26.83
356.74	23.929	26.833
356.84		26.836
356.94		26.84
357.		26.842
357.01		
357.02		
357.05		26.843
357.14		26.847
357.24		26.85
357.34		26.853
357.44		26.857
357.54		26.86
357.64		26.863
357.74		26.867
357.84		26.87
357.94		26.874
358.		26.876
358.01		
358.02		
358.05		26.877
358.14		26.88
358.24		26.884
358.34		26.887
358.44		26.891
358.54		26.894
358.64		26.897
358.74		26.901
358.84		26.904
358.94		26.908

359.		
359.01		26.91
359.02		
359.05		26.911
359.14		26.914
359.24		26.918
359.34		26.921
359.44		26.925
359.54		26.928
359.64	23.93	26.931
359.74		26.935
359.84		26.938
359.94		26.942
360.		
360.01		26.944
360.02		
360.05		26.945
360.14		26.948
360.24		26.952
360.34		26.955
360.44		26.959
360.54		26.962
360.64		26.965
360.74		26.969
360.84		26.972
360.94		26.976
361.		
361.01		26.978
361.02		
361.05		26.979
361.14		26.982
361.24		26.986
361.34		26.989
361.44	23.931	26.993
361.54		26.996
361.64		26.999
361.74		27.003
361.84		27.006
361.94		27.01
362.		
362.01		27.012
362.02		
362.05		27.013
362.14		27.016
362.24		27.02
362.34		27.023
362.44		27.027
362.54		27.03
362.64		27.033
362.74		27.037
362.84		27.04
362.94		27.044
363.		
363.01		27.046
363.02		
363.05		27.047
363.14		27.051
363.24		27.054
363.34		27.057
363.44		27.061

363.54	23.932	27.064
363.64		27.068
363.74		27.071
363.84		27.074
363.94		27.078
364.		27.08
364.01		
364.02		27.081
364.05		27.082
364.14		27.085
364.24		27.088
364.34		27.092
364.44		27.095
364.54		27.098
364.64		27.102
364.74		27.105
364.84		27.109
364.94		27.112
365.		27.114
365.01		
365.02		27.115
365.05		27.116
365.14	23.933	27.119
365.24		27.122
365.34		27.126
365.44		27.129
365.54		27.133
365.64		27.136
365.74		27.139
365.84		27.143
365.94		27.146
366.		27.148
366.01		27.149
366.02		
366.05		27.15
366.14		27.153
366.24		27.157
366.34		27.16
366.44		27.163
366.54		27.167
366.64		27.17
366.74		27.174
366.84		27.177
366.94		27.181
367.		27.183
367.01		
367.02		
367.05		27.184
367.14		27.188
367.24		27.191
367.34		27.194
367.44		27.198
367.54	23.932	27.201
367.64		27.205
367.74		27.208
367.84		27.212
367.94		27.215
368.		27.217
368.01		
368.02		27.218

368.05		27.219
368.14		27.222
368.24		27.225
368.34		27.229
368.44		27.232
368.54		27.236
368.64		27.239
368.74		27.243
368.84		27.246
368.94		27.249
369.	23.934	27.251
369.01		27.252
369.02		
369.05		27.253
369.14		27.256
369.24		27.26
369.34		27.263
369.44		27.267
369.54		27.27
369.64		27.274
369.74		27.277
369.84		27.28
369.94		27.284
370.		27.286
370.01		
370.02		27.287
370.05		27.288
370.14		27.291
370.24		27.294
370.34		27.298
370.44		27.301
370.54		27.305
370.64		27.308
370.74		27.311
370.84		27.315
370.94		27.318
371.		27.32
371.01		27.321
371.02	23.935	
371.05		27.322
371.14		27.325
371.24		27.329
371.34		27.332
371.44		27.336
371.54		27.339
371.64		27.343
371.74		27.346
371.84		27.349
371.94		27.353
372.		27.355
372.01		
372.02		27.356
372.05		27.357
372.14		27.36
372.24		27.363
372.34		27.367
372.44		27.37
372.54		27.374
372.64		27.377
372.74		27.381

372.84		27.384
372.94		27.388
373.		27.39
373.01		
373.02		
373.05		27.391
373.14		27.394
373.24		27.398
373.34		27.401
373.44		27.405
373.54		27.408
373.64		27.412
373.74	23.936	27.415
373.84		27.419
373.94		27.422
374.		27.424
374.01		27.425
374.02		
374.05		27.426
374.14		27.429
374.24		27.433
374.34		27.436
374.44		27.44
374.54		27.443
374.64		27.447
374.74		27.45
374.84		27.453
374.94		27.457
375.		27.459
375.01		
375.02		27.46
375.05		27.461
375.14		27.464
375.24		27.467
375.34		27.471
375.44		27.474
375.54		27.478
375.64		27.481
375.74		27.485
375.84		27.488
375.94		27.492
376.	23.937	27.494
376.01		
376.02		
376.05		27.496
376.14		27.499
376.24		27.502
376.34		27.506
376.44		27.509
376.54		27.513
376.64		27.516
376.74		27.52
376.84		27.523
376.94		27.526
377.		27.529
377.01		
377.02		
377.05		27.53
377.14		27.533
377.24		27.537

377.34		27.54
377.44		27.544
377.54		27.547
377.64		27.551
377.74		27.554
377.84		27.558
377.94		27.561
378.		27.563
378.01		27.564
378.02		
378.05		27.565
378.14		27.568
378.24		27.572
378.34	23.938	27.575
378.44		27.579
378.54		27.582
378.64		27.586
378.74		27.589
378.84		27.593
378.94		27.596
379.		27.598
379.01		27.599
379.02		
379.05		27.6
379.14		27.603
379.24		27.607
379.34		27.61
379.44		27.614
379.54		27.617
379.64		27.621
379.74		27.624
379.84		27.628
379.94		27.631
380.		27.633
380.01		27.634
380.02		
380.05		27.635
380.14		27.638
380.24		27.642
380.34		27.645
380.44		27.649
380.54		27.652
380.64	23.939	27.656
380.74		27.659
380.84		27.663
380.94		27.666
381.		27.668
381.01		27.669
381.02		
381.05		27.67
381.14		27.673
381.24		27.677
381.34		27.68
381.44		27.684
381.54		27.687
381.64		27.691
381.74		27.694
381.84		27.698
381.94		27.701
382.		27.703

382.01		27.704
382.02		
382.05		27.705
382.14		27.708
382.24		27.712
382.34		27.715
382.44		27.719
382.54		27.722
382.64		27.726
382.74		27.729
382.84		27.733
382.94		27.736
383.		27.738
383.01		27.739
383.02		
383.05	23.94	27.74
383.14		27.743
383.24		27.747
383.34		27.75
383.44		27.754
383.54		27.757
383.64		27.761
383.74		27.764
383.84		27.768
383.94		27.771
384.		27.773
384.01		27.774
384.02		
384.05		27.775
384.14		27.778
384.24		27.782
384.34		27.785
384.44		27.789
384.54		27.792
384.64		27.796
384.74		27.8
384.84		27.803
384.94		27.807
385.		27.809
385.01		
385.02		
385.05		27.81
385.14		27.814
385.24		27.817
385.34		27.821
385.44	23.941	27.824
385.54		27.828
385.64		27.831
385.74		27.835
385.84		27.838
385.94		27.842
386.		27.844
386.01		
386.02		27.845
386.05		27.846
386.14		27.849
386.24		27.852
386.34		27.856
386.44		27.859
386.54		27.863

386.64		27.866
386.74		27.87
386.84		27.873
386.94		27.877
387.		27.879
387.01		
387.02		27.88
387.05		27.881
387.14		27.884
387.24		27.888
387.34		27.891
387.44		27.895
387.54		27.898
387.64		27.902
387.74		27.905
387.84		27.909
387.94		27.912
388.	23.942	27.914
388.01		27.915
388.02		
388.05		27.916
388.14		27.919
388.24		27.923
388.34		27.926
388.44		27.93
388.54		27.934
388.64		27.937
388.74		27.941
388.84		27.944
388.94		27.948
389.		27.95
389.01		
389.02		
389.05		27.952
389.14		27.955
389.24		27.958
389.34		27.962
389.44		27.965
389.54		27.969
389.64		27.972
389.74		27.976
389.84		27.98
389.94		27.983
390.		27.985
390.01		27.986
390.02		
390.05		27.987
390.14	23.943	27.99
390.24		27.994
390.34		27.997
390.44		28.001
390.54		28.004
390.64		28.008
390.74		28.011
390.84		28.015
390.94		28.018
391.		28.021
391.01		
391.02		
391.05		28.022

391.14		28.026
391.24		28.029
391.34		28.033
391.44		28.036
391.54	23.944	28.04
391.64		28.043
391.74		28.047
391.84		28.05
391.94		28.054
392.		28.056
392.01		
392.02		28.057
392.05		28.058
392.14		28.061
392.24		28.065
392.34		28.068
392.44		28.072
392.54		28.075
392.64		28.079
392.74		28.082
392.84		28.086
392.94		28.09
393.		28.092
393.01		
393.02		
393.05		28.093
393.14		28.097
393.24		28.1
393.34		28.104
393.44		28.107
393.54		28.111
393.64		28.114
393.74		28.118
393.84		28.122
393.94	23.945	28.125
394.		28.127
394.01		28.128
394.02		
394.05		28.129
394.14		28.132
394.24		28.136
394.34		28.139
394.44		28.143
394.54		28.146
394.64		28.15
394.74		28.154
394.84		28.157
394.94		28.161
395.		28.163
395.01		
395.02		28.164
395.05		28.165
395.14		28.168
395.24		28.171
395.34		28.175
395.44		28.178
395.54		28.182
395.64		28.186
395.74		28.189
395.84		28.193

395.94		28.196
396.		28.198
396.01		28.199
396.02		
396.05		28.2
396.14		28.203
396.24		28.207
396.34		28.211
396.44		28.214
396.54		28.218
396.64		28.221
396.74		28.225
396.84		28.228
396.94		28.232
397.		28.234
397.01		28.235
397.02		
397.05		28.236
397.14		28.239
397.24		28.243
397.34		28.246
397.44	23.946	28.25
397.54		28.253
397.64		28.257
397.74		28.261
397.84		28.264
397.94		28.268
398.		28.27
398.01		
398.02		28.271
398.05		28.272
398.14		28.275
398.24		28.278
398.34		28.282
398.44		28.286
398.54		28.289
398.64		28.293
398.74		28.296
398.84		28.3
398.94		28.304
399.		28.306
399.01		
399.02		
399.05		28.307
399.14		28.311
399.24		28.314
399.34		28.318
399.44		28.321
399.54	23.947	28.325
399.64		28.329
399.74		28.332
399.84		28.336
399.94		28.339
400.		28.341
400.01		28.342
400.02		
400.05		28.343
400.14		28.347
400.24		28.35
400.34		28.354

400.44		28.357
400.54		28.361
400.64		28.364
400.74		28.368
400.84		28.372
400.94		28.375
401.		28.377
401.01		28.378
401.02		
401.05		28.379
401.14		28.382
401.24		28.386
401.34		28.39
401.44		28.393
401.54		28.397
401.64		28.4
401.74		28.404
401.84		28.408
401.94		28.411
402.		28.413
402.01		28.414
402.02		
402.05		28.415
402.14		28.418
402.24	23.948	28.422
402.34		28.425
402.44		28.429
402.54		28.433
402.64		28.436
402.74		28.44
402.84		28.443
402.94		28.447
403.		28.449
403.01		28.45
403.02		
403.05		28.451
403.14		28.454
403.24		28.458
403.34		28.461
403.44		28.465
403.54		28.469
403.64		28.472
403.74		28.476
403.84		28.479
403.94		28.483
404.		28.485
404.01		28.486
404.02		
404.05		28.487
404.14		28.49
404.24	23.949	28.494
404.34		28.497
404.44		28.501
404.54		28.505
404.64		28.508
404.74		28.512
404.84		28.515
404.94		28.519
405.		28.521
405.01		28.522

405.02		
405.05		28.523
405.14		28.526
405.24		28.53
405.34		28.534
405.44		28.537
405.54		28.541
405.64		28.544
405.74		28.548
405.84		28.552
405.94		28.555
406.		28.557
406.01		28.558
406.02		
406.05		28.559
406.14		28.562
406.24		28.566
406.34		28.57
406.44		28.573
406.54		28.577
406.64		28.58
406.74		28.584
406.84		28.588
406.94		28.591
407.		28.593
407.01		28.594
407.02	23.95	
407.05		28.595
407.14		28.599
407.24		28.602
407.34		28.606
407.44		28.609
407.54		28.613
407.64		28.617
407.74		28.62
407.84		28.624
407.94		28.627
408.		28.63
408.01		
408.02		
408.05		28.631
408.14		28.635
408.24		28.638
408.34		28.642
408.44		28.646
408.54		28.649
408.64		28.653
408.74		28.656
408.84		28.66
408.94		28.664
409.		28.666
409.01	23.951	
409.02		28.667
409.05		28.668
409.14		28.671
409.24		28.675
409.34		28.678
409.44		28.682
409.54		28.685
409.64		28.689

409.74		28.693
409.84		28.696
409.94		28.7
410.		28.702
410.01		
410.02		28.703
410.05		28.704
410.14		28.707
410.24		28.711
410.34		28.714
410.44		28.718
410.54		28.722
410.64		28.725
410.74		28.729
410.84		28.732
410.94		28.736
411.		28.738
411.01		28.739
411.02		
411.05		28.74
411.14		28.743
411.24		28.747
411.34		28.75
411.44		28.754
411.54		28.758
411.64		28.761
411.74		28.765
411.84		28.768
411.94		28.772
412.	23.952	28.774
412.01		28.775
412.02		
412.05		28.776
412.14		28.779
412.24		28.783
412.34		28.786
412.44		28.79
412.54		28.794
412.64		28.797
412.74		28.801
412.84		28.804
412.94		28.808
413.		28.81
413.01		28.811
413.02		
413.05		28.812
413.14		28.815
413.24		28.819
413.34		28.822
413.44		28.826
413.54		28.83
413.64		28.833
413.74		28.837
413.84		28.84
413.94		28.844
414.		28.846
414.01		
414.02		28.847
414.05		28.848
414.14		28.851

414.24		28.855
414.34		28.858
414.44		28.862
414.54		28.865
414.64		28.869
414.74		28.873
414.84		28.876
414.94		28.88
415.	23.953	28.882
415.01		
415.02		28.883
415.05		28.884
415.14		28.887
415.24		28.891
415.34		28.894
415.44		28.898
415.54		28.901
415.64		28.905
415.74		28.908
415.84		28.912
415.94		28.916
416.		28.918
416.01		
416.02		
416.05		28.919
416.14		28.923
416.24		28.926
416.34		28.93
416.44		28.933
416.54		28.937
416.64		28.94
416.74		28.944
416.84		28.948
416.94	23.954	28.951
417.		28.953
417.01		28.954
417.02		
417.05		28.955
417.14		28.958
417.24		28.962
417.34		28.965
417.44		28.969
417.54		28.972
417.64		28.976
417.74		28.98
417.84		28.983
417.94		28.987
418.		28.989
418.01		
418.02		28.99
418.05		28.991
418.14		28.994
418.24		28.997
418.34		29.001
418.44		29.004
418.54		29.008
418.64		29.012
418.74		29.015
418.84		29.019
418.94		29.022

419.		29.024
419.01		29.025
419.02		
419.05		29.026
419.14		29.029
419.24		29.033
419.34		29.036
419.44		29.04
419.54		29.043
419.64		29.047
419.74	23.955	29.051
419.84		29.054
419.94		29.058
420.		29.06
420.01		
420.02		
420.05		29.061
420.14		29.065
420.24		29.068
420.34		29.072
420.44		29.075
420.54		29.079
420.64		29.082
420.74		29.086
420.84		29.089
420.94		29.093
421.		29.095
421.01		
421.02		29.096
421.05		29.097
421.14		29.1
421.24		29.103
421.34		29.107
421.44		29.111
421.54		29.114
421.64		29.118
421.74		29.121
421.84		29.125
421.94	23.956	29.128
422.		29.13
422.01		29.131
422.02		
422.05		29.132
422.14		29.135
422.24		29.139
422.34		29.142
422.44		29.146
422.54		29.149
422.64		29.153
422.74		29.156
422.84		29.16
422.94		29.163
423.		29.165
423.01		29.166
423.02		
423.05		29.167
423.14		29.17
423.24		29.174
423.34		29.177
423.44		29.181

423.54		29.184
423.64		29.188
423.74		29.191
423.84		29.195
423.94		29.198
424.		29.2
424.01		29.201
424.02		
424.05		29.202
424.14		29.205
424.24		29.209
424.34		29.212
424.44		29.216
424.54	23.957	29.219
424.64		29.223
424.74		29.226
424.84		29.23
424.94		29.233
425.		29.235
425.01		29.236
425.02		
425.05		29.237
425.14		29.24
425.24		29.244
425.34		29.247
425.44		29.251
425.54		29.254
425.64		29.258
425.74		29.261
425.84		29.265
425.94		29.268
426.		29.27
426.01		29.271
426.02		
426.05		29.272
426.14		29.275
426.24		29.279
426.34		29.282
426.44		29.286
426.54		29.289
426.64		29.293
426.74		29.296
426.84		29.3
426.94		29.303
427.	23.958	29.305
427.01		
427.02		29.306
427.05		29.307
427.14		29.31
427.24		29.313
427.34		29.317
427.44		29.32
427.54		29.324
427.64		29.327
427.74		29.331
427.84		29.334
427.94		29.338
428.		29.34
428.01		
428.02		

428.05		29.342
428.14		29.345
428.24		29.348
428.34		29.352
428.44		29.355
428.54		29.358
428.64		29.362
428.74		29.365
428.84		29.369
428.94		29.372
429.		29.374
429.01		29.375
429.02		
429.05		29.376
429.14		29.379
429.24		29.383
429.34		29.386
429.44		29.39
429.54	23.959	29.393
429.64		29.397
429.74		29.4
429.84		29.403
429.94		29.407
430.		29.409
430.01		
430.02		29.41
430.05		29.411
430.14		29.414
430.24		29.417
430.34		29.421
430.44		29.424
430.54		29.428
430.64		29.431
430.74		29.434
430.84		29.438
430.94		29.441
431.		29.443
431.01		29.444
431.02		
431.05		29.445
431.14		29.448
431.24		29.452
431.34		29.455
431.44		29.459
431.54		29.462
431.64		29.465
431.74		29.469
431.84	23.96	29.472
431.94		29.476
432.		29.478
432.01		
432.02		
432.05		29.479
432.14		29.483
432.24		29.486
432.34		29.489
432.44		29.493
432.54		29.496
432.64		29.5
432.74		29.503

432.84		29.507
432.94		29.51
433.		29.512
433.01		
433.02		29.513
433.05		29.514
433.14		29.517
433.24		29.52
433.34		29.524
433.44		29.527
433.54	23.961	29.531
433.64		29.534
433.74		29.537
433.84		29.541
433.94		29.544
434.		29.546
434.01		29.547
434.02		
434.05		29.548
434.14		29.551
434.24		29.554
434.34		29.558
434.44		29.561
434.54		29.565
434.64		29.568
434.74		29.571
434.84		29.575
434.94		29.578
435.		29.58
435.01		29.581
435.02		
435.05		29.582
435.14		29.585
435.24		29.589
435.34		29.592
435.44		29.595
435.54		29.599
435.64		29.602
435.74		29.606
435.84		29.609
435.94		29.612
436.		29.614
436.01		29.615
436.02		
436.05		29.616
436.14		29.619
436.24		29.623
436.34		29.626
436.44		29.629
436.54		29.633
436.64		29.636
436.74		29.639
436.84		29.643
436.94		29.646
437.		29.648
437.01		29.649
437.02		
437.05		29.65
437.14		29.653
437.24		29.656

437.34		29.66
437.44		29.663
437.54		29.667
437.64		29.67
437.74		29.673
437.84		29.677
437.94		29.68
438.		29.682
438.01		29.683
438.02	23.962	
438.05		29.684
438.14		29.687
438.24		29.69
438.34		29.694
438.44		29.697
438.54		29.7
438.64		29.704
438.74		29.707
438.84		29.711
438.94		29.714
439.		29.716
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439.02		29.717
439.05		29.718
439.14		29.721
439.24		29.724
439.34		29.727
439.44		29.731
439.54		29.734
439.64		29.738
439.74		29.741
439.84		29.744
439.94		29.748
440.		29.75
440.01		
440.02		
440.05		29.751
440.14	23.963	29.754
440.24		29.758
440.34		29.761
440.44		29.764
440.54		29.768
440.64		29.771
440.74		29.775
440.84		29.778
440.94		29.781
441.		29.783
441.01		29.784
441.02		
441.05		29.785
441.14		29.788
441.24		29.791
441.34		29.795
441.44		29.798
441.54		29.801
441.64		29.805
441.74		29.808
441.84		29.811
441.94		29.815
442.		

442.01		29.817
442.02		
442.05		29.818
442.14		29.821
442.24		29.825
442.34		29.828
442.44		29.831
442.54		29.835
442.64		29.838
442.74		29.841
442.84		29.845
442.94		29.848
443.		29.85
443.01		29.851
443.02		
443.05		29.852
443.14	23.964	29.855
443.24		29.858
443.34		29.862
443.44		29.865
443.54		29.868
443.64		29.872
443.74		29.875
443.84		29.878
443.94		29.882
444.		29.884
444.01		
444.02		
444.05		29.885
444.14		29.888
444.24		29.892
444.34		29.895
444.44		29.898
444.54		29.901
444.64		29.905
444.74		29.908
444.84		29.911
444.94		29.915
445.		29.917
445.01		
445.02		
445.05		29.918
445.14		29.921
445.24		29.925
445.34		29.928
445.44		29.931
445.54	23.965	29.935
445.64		29.938
445.74		29.941
445.84		29.945
445.94		29.948
446.		29.95
446.01		
446.02		29.951
446.05		29.952
446.14		29.955
446.24		29.958
446.34		29.961
446.44		29.964
446.54		29.968

446.64		29.971
446.74		29.974
446.84		29.978
446.94		29.981
447.		29.983
447.01		
447.02		29.984
447.05		29.985
447.14		29.988
447.24		29.991
447.34		29.994
447.44		29.998
447.54		30.001
447.64		30.004
447.74		30.007
447.84		30.011
447.94		30.014
448.		30.016
448.01		
448.02		30.017
448.05		30.018
448.14		30.021
448.24		30.024
448.34		30.027
448.44		30.03
448.54		30.034
448.64		30.037
448.74		30.04
448.84	23.966	30.044
448.94		30.047
449.		30.049
449.01		
449.02		30.05
449.05		30.051
449.14		30.054
449.24		30.057
449.34		30.06
449.44		30.063
449.54		30.067
449.64		30.07
449.74		30.073
449.84		30.076
449.94		30.08
450.		30.082
450.01		
450.02		
450.05		30.083
450.14		30.086
450.24		30.09
450.34		30.093
450.44		30.096
450.54		30.099
450.64		30.103
450.74		30.106
450.84		30.109
450.94		30.112
451.		30.114
451.01		30.115
451.02		
451.05		30.116

451.14		30.119
451.24		30.122
451.34		30.126
451.44		30.129
451.54		30.132
451.64		30.135
451.74		30.139
451.84		30.142
451.94		30.145
452.		30.147
452.01		
452.02		30.148
452.05	23.967	30.149
452.14		30.152
452.24		30.155
452.34		30.158
452.44		30.161
452.54		30.165
452.64		30.168
452.74		30.171
452.84		30.174
452.94		30.178
453.		30.18
453.01		
453.02		
453.05		30.181
453.14		30.184
453.24		30.187
453.34		30.191
453.44		30.194
453.54		30.197
453.64		30.2
453.74		30.204
453.84		30.207
453.94		30.21
454.		30.212
454.01		
454.02		30.213
454.05		30.214
454.14		30.217
454.24		30.22
454.34		30.223
454.44	23.968	30.226
454.54		30.23
454.64		30.233
454.74		30.236
454.84		30.239
454.94		30.243
455.		30.245
455.01		
455.02		
455.05		30.246
455.14		30.249
455.24		30.252
455.34		30.256
455.44		30.259
455.54		30.262
455.64		30.265
455.74		30.268
455.84		30.272

455.94		30.275
456.	23.969	30.277
456.01		
456.02		30.278
456.05		
456.14		30.281
456.24		30.285
456.34		30.288
456.44		30.291
456.54		30.294
456.64		30.297
456.74		30.301
456.84		30.304
456.94		30.307
457.		30.309
457.01		
457.02		30.31
457.05		30.311
457.14		30.314
457.24		30.317
457.34		30.32
457.44		30.323
457.54		30.326
457.64		30.33
457.74		30.333
457.84		30.336
457.94		30.339
458.		30.341
458.01		30.342
458.02		
458.05		30.343
458.14		30.346
458.24		30.349
458.34		30.352
458.44		30.355
458.54		30.359
458.64		30.362
458.74		30.365
458.84		30.368
458.94	23.97	30.371
459.		30.373
459.01		30.374
459.02		
459.05		30.375
459.14		30.378
459.24		30.381
459.34		30.384
459.44		30.387
459.54		30.391
459.64		30.394
459.74		30.397
459.84		30.4
459.94		30.403
460.		30.405
460.01		30.406
460.02		
460.05		30.407
460.14		30.41
460.24		30.413
460.34		30.416

460.44		30.419
460.54		30.423
460.64		30.426
460.74		30.429
460.84		30.432
460.94		30.435
461.		30.437
461.01		30.438
461.02		
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461.14		30.442
461.24		30.445
461.34		30.448
461.44		30.451
461.54		30.454
461.64		30.458
461.74		30.461
461.84		30.464
461.94		30.467
462.		30.469
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462.02		30.47
462.05		30.471
462.14		30.473
462.24		30.477
462.34		30.48
462.44		30.483
462.54		30.486
462.64		30.489
462.74		30.493
462.84		30.496
462.94		30.499
463.		30.501
463.01		
463.02		
463.05		30.502
463.14		30.505
463.24	23.971	30.508
463.34		30.512
463.44		30.515
463.54		30.518
463.64		30.521
463.74		30.524
463.84		30.527
463.94		30.531
464.		30.532
464.01		30.533
464.02		
464.05		30.534
464.14		30.537
464.24		30.54
464.34		30.543
464.44		30.546
464.54		30.549
464.64		30.553
464.74		30.556
464.84		30.559
464.94		30.562
465.		30.564
465.01		

465.02		30.565
465.05		30.566
465.14		30.568
465.24		30.572
465.34		30.575
465.44		30.578
465.54		30.581
465.64		30.584
465.74		30.587
465.84		30.59
465.94		30.594
466.		30.595
466.01		30.596
466.02		
466.05		30.597
466.14		30.6
466.24		30.603
466.34		30.606
466.44		30.609
466.54	23.972	30.612
466.64		30.616
466.74		30.619
466.84		30.622
466.94		30.625
467.		30.627
467.01		
467.02		30.628
467.05		
467.14		30.631
467.24		30.634
467.34		30.638
467.44		30.641
467.54		30.644
467.64		30.647
467.74		30.65
467.84		30.653
467.94		30.656
468.		30.658
468.01		30.659
468.02		
468.05		30.66
468.14		30.663
468.24		30.666
468.34		30.669
468.44		30.672
468.54		30.675
468.64		30.678
468.74		30.681
468.84		30.684
468.94		30.688
469.	23.973	30.689
469.01		30.69
469.02		
469.05		30.691
469.14		30.694
469.24		30.697
469.34		30.7
469.44		30.703
469.54		30.706
469.64		30.709

469.74		30.713
469.84		30.716
469.94		30.719
470.		30.721
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470.02		
470.05		30.722
470.14		30.725
470.24		30.728
470.34		30.731
470.44		30.734
470.54		30.737
470.64		30.741
470.74		30.744
470.84		30.747
470.94		30.75
471.		30.752
471.01		
471.02		
471.05		30.753
471.14		30.756
471.24		30.759
471.34		30.762
471.44		30.765
471.54		30.768
471.64		30.772
471.74		30.775
471.84		30.778
471.94		30.781
472.		30.783
472.01		
472.02		
472.05		30.784
472.14		30.787
472.24		30.79
472.34		30.793
472.44		30.796
472.54		30.799
472.64		30.803
472.74		30.806
472.84	23.974	30.809
472.94		30.812
473.		30.814
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473.02		
473.05		30.815
473.14		30.818
473.24		30.821
473.34		30.824
473.44		30.827
473.54		30.83
473.64		30.833
473.74		30.837
473.84		30.84
473.94		30.843
474.		30.845
474.01		
474.02		
474.05		30.846
474.14		30.849

474.24		30.852
474.34		30.855
474.44		30.858
474.54		30.861
474.64		30.864
474.74		30.867
474.84		30.87
474.94		30.873
475.		30.875
475.01		30.876
475.02		
475.05		30.877
475.14		30.88
475.24		30.883
475.34		30.886
475.44		30.889
475.54		30.892
475.64		30.895
475.74		30.898
475.84		30.901
475.94		30.904
476.	23.975	30.906
476.01		
476.02		30.907
476.05		30.908
476.14		30.91
476.24		30.913
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476.54		30.923
476.64		30.926
476.74		30.929
476.84		30.932
476.94		30.935
477.		30.937
477.01		
477.02		
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477.24		30.944
477.34		30.947
477.44		30.95
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477.64		30.956
477.74		30.959
477.84		30.962
477.94		30.965
478.		30.967
478.01		30.968
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478.64		30.987
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478.84		30.993
478.94		30.996

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480.94		31.057
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481.94		31.087
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482.02	23.977	
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482.64		31.108
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482.84		31.114
482.94		31.117
483.		31.119
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483.05		
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483.44		31.132

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483.64		31.138
483.74		31.141
483.84		31.144
483.94		31.147
484.		31.149
484.01		
484.02		31.15
484.05		31.151
484.14		31.153
484.24		31.156
484.34		31.159
484.44		31.162
484.54		31.165
484.64		31.168
484.74		31.171
484.84		31.174
484.94		31.177
485.		31.179
485.01		
485.02		31.18
485.05		31.181
485.14		31.183
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485.34		31.189
485.44		31.192
485.54	23.978	31.195
485.64		31.198
485.74		31.201
485.84		31.204
485.94		31.207
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486.02		31.21
486.05		31.211
486.14		31.213
486.24		31.216
486.34		31.219
486.44		31.222
486.54		31.225
486.64		31.228
486.74		31.231
486.84		31.234
486.94		31.237
487.		31.239
487.01		
487.02		31.24
487.05		
487.14		31.243
487.24		31.246
487.34		31.249
487.44		31.252
487.54		31.255
487.64		31.258
487.74		31.261
487.84		31.264
487.94		31.267
488.		31.269
488.01		
488.02		

488.05		31.27
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488.24		31.276
488.34		31.279
488.44		31.282
488.54		31.285
488.64		31.288
488.74		31.291
488.84		31.294
488.94		31.297
489.		31.298
489.01		31.299
489.02		
489.05		31.3
489.14		31.303
489.24	23.979	31.306
489.34		31.309
489.44		31.312
489.54		31.315
489.64		31.317
489.74		31.32
489.84		31.323
489.94		31.326
490.		31.328
490.01		
490.02		31.329
490.05		31.33
490.14		31.332
490.24		31.335
490.34		31.338
490.44		31.341
490.54		31.344
490.64		31.347
490.74		31.35
490.84		31.353
490.94		31.356
491.		31.358
491.01		
491.02		
491.05		31.359
491.14		31.362
491.24		31.365
491.34		31.368
491.44		31.371
491.54		31.374
491.64	23.98	31.377
491.74		31.38
491.84		31.383
491.94		31.385
492.		31.387
492.01		31.388
492.02		
492.05		31.389
492.14		31.391
492.24		31.394
492.34		31.397
492.44		31.4
492.54		31.403
492.64		31.406
492.74		31.409

492.84		31.412
492.94		31.415
493.		31.417
493.01		
493.02		
493.05		31.418
493.14		31.421
493.24		31.424
493.34		31.427
493.44		31.43
493.54		31.433
493.64		31.435
493.74		31.438
493.84		31.441
493.94	23.981	31.444
494.		31.446
494.01		
494.02		31.447
494.05		
494.14		31.45
494.24		31.453
494.34		31.456
494.44		31.459
494.54		31.462
494.64		31.465
494.74		31.468
494.84		31.471
494.94		31.474
495.		31.475
495.01		31.476
495.02		
495.05		31.477
495.14		31.479
495.24		31.482
495.34		31.485
495.44		31.488
495.54		31.491
495.64		31.494
495.74		31.497
495.84		31.5
495.94		31.503
496.		31.504
496.01		31.505
496.02		
496.05		31.506
496.14		31.509
496.24		31.511
496.34		31.514
496.44		31.517
496.54		31.52
496.64		31.523
496.74		31.526
496.84		31.529
496.94		31.532
497.		31.534
497.01		
497.02		
497.05		31.535
497.14		31.538
497.24		31.541

497.34		31.543
497.44		31.546
497.54		31.549
497.64		31.552
497.74		31.555
497.84		31.558
497.94		31.561
498.		31.563
498.01		
498.02		
498.05		31.564
498.14		31.567
498.24		31.57
498.34		31.573
498.44		31.575
498.54		31.578
498.64		31.581
498.74		31.584
498.84		31.587
498.94		31.59
499.	23.982	31.592
499.01		
499.02		
499.05		31.593
499.14		31.596
499.24		31.599
499.34		31.601
499.44		31.604
499.54		31.607
499.64		31.61
499.74		31.613
499.84		31.616
499.94		31.619
500.		31.621
500.01		
500.02		
500.05		31.622
500.14		31.625
500.24		31.627
500.34		31.63
500.44		31.633
500.54		31.636
500.64		31.639
500.74		31.642
500.84		31.645
500.94		31.648
501.		31.649
501.01		31.65
501.02		
501.05		31.651
501.14		31.653
501.24		31.656
501.34		31.659
501.44		31.662
501.54		31.665
501.64		31.668
501.74		31.671
501.84		31.673
501.94		31.676
502.		31.678

502.01		
502.02		31.679
502.05		
502.14		31.682
502.24		31.685
502.34		31.688
502.44		31.691
502.54		31.694
502.64		31.696
502.74		31.699
502.84		31.702
502.94		31.705
503.		31.707
503.01		
503.02	23.983	
503.05		31.708
503.14		31.711
503.24		31.714
503.34		31.716
503.44		31.719
503.54		31.722
503.64		31.725
503.74		31.728
503.84		31.731
503.94		31.734
504.		31.735
504.01		31.736
504.02		
504.05		31.737
504.14		31.739
504.24		31.742
504.34		31.745
504.44		31.748
504.54		31.751
504.64		31.754
504.74		31.756
504.84		31.759
504.94		31.762
505.		31.764
505.01		
505.02		
505.05		31.765
505.14		31.768
505.24		31.771
505.34		31.773
505.44	23.984	31.776
505.54		31.779
505.64		31.782
505.74		31.785
505.84		31.788
505.94		31.791
506.		31.792
506.01		31.793
506.02		
506.05		31.794
506.14		31.796
506.24		31.799
506.34		31.802
506.44		31.805
506.54		31.808

506.64		31.81
506.74		31.813
506.84		31.816
506.94		31.819
507.		31.821
507.01		
507.02		
507.05		31.822
507.14		31.825
507.24		31.827
507.34		31.83
507.44		31.833
507.54		31.836
507.64		31.839
507.74		31.842
507.84		31.844
507.94		31.847
508.		31.849
508.01		
508.02		
508.05		31.85
508.14		31.853
508.24		31.856
508.34		31.858
508.44		31.861
508.54		31.864
508.64		31.867
508.74		31.87
508.84		31.873
508.94		31.875
509.		31.877
509.01		
509.02		31.878
509.05		31.879
509.14		31.881
509.24		31.884
509.34		31.887
509.44	23.985	31.889
509.54		31.892
509.64		31.895
509.74		31.898
509.84		31.901
509.94		31.904
510.		31.905
510.01		31.906
510.02		
510.05		31.907
510.14		31.909
510.24		31.912
510.34		31.915
510.44		31.918
510.54		31.92
510.64		31.923
510.74		31.926
510.84		31.929
510.94		31.932
511.		31.933
511.01		31.934
511.02		
511.05		31.935

511.14		31.937
511.24		31.94
511.34		31.943
511.44		31.946
511.54		31.948
511.64		31.951
511.74		31.954
511.84		31.957
511.94		31.96
512.		31.961
512.01		31.962
512.02		
512.05		31.963
512.14		31.965
512.24		31.968
512.34		31.971
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512.54		31.976
512.64		31.979
512.74		31.982
512.84		31.985
512.94		31.988
513.		31.989
513.01		
513.02	23.986	31.99
513.05		31.991
513.14		31.993
513.24		31.996
513.34		31.999
513.44		32.001
513.54		32.004
513.64		32.007
513.74		32.01
513.84		32.013
513.94		32.015
514.		32.017
514.01		
514.02		32.018
514.05		
514.14		32.021
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514.34		32.027
514.44		32.029
514.54		32.032
514.64		32.035
514.74		32.038
514.84		32.04
514.94		32.043
515.		32.045
515.01		
515.02		
515.05		32.046
515.14		32.049
515.24		32.051
515.34		32.054
515.44		32.057
515.54		32.06
515.64		32.063
515.74		32.065
515.84		32.068

515.94		32.071
516.		32.073
516.01		
516.02		
516.05		32.074
516.14		32.076
516.24		32.079
516.34		32.082
516.44		32.085
516.54		32.087
516.64		32.09
516.74		32.093
516.84		32.096
516.94		32.099
517.		32.1
517.01		
517.02		32.101
517.05	23.987	32.102
517.14		32.104
517.24		32.107
517.34		32.11
517.44		32.112
517.54		32.115
517.64		32.118
517.74		32.121
517.84		32.123
517.94		32.126
518.		32.128
518.01		
518.02		
518.05		32.129
518.14		32.132
518.24		32.134
518.34		32.137
518.44		32.14
518.54		32.143
518.64		32.145
518.74		32.148
518.84		32.151
518.94		32.154
519.		32.155
519.01		32.156
519.02		
519.05		32.157
519.14		32.159
519.24		32.162
519.34		32.165
519.44	23.988	32.167
519.54		32.17
519.64		32.173
519.74		32.176
519.84		32.178
519.94		32.181
520.		32.183
520.01		
520.02		
520.05		32.184
520.14		32.186
520.24		32.189
520.34		32.192

520.44		32.195
520.54		32.197
520.64		32.2
520.74		32.203
520.84		32.206
520.94		32.208
521.		32.21
521.01		
521.02		32.211
521.05		
521.14		32.214
521.24		32.217
521.34		32.219
521.44		32.222
521.54		32.225
521.64		32.227
521.74		32.23
521.84		32.233
521.94		32.236
522.		32.237
522.01		32.238
522.02		
522.05		32.239
522.14		32.241
522.24		32.244
522.34		32.247
522.44		32.249
522.54		32.252
522.64		32.255
522.74		32.257
522.84		32.26
522.94		32.263
523.		32.264
523.01		32.265
523.02		
523.05		32.266
523.14		32.268
523.24		32.271
523.34		32.274
523.44		32.276
523.54		32.279
523.64		32.282
523.74	23.989	32.285
523.84		32.287
523.94		32.29
524.		32.292
524.01		
524.02		
524.05		32.293
524.14		32.295
524.24		32.298
524.34		32.301
524.44		32.304
524.54		32.306
524.64		32.309
524.74		32.312
524.84		32.314
524.94		32.317
525.		32.319
525.01		

525.02		
525.05		32.32
525.14		32.322
525.24		32.325
525.34		32.328
525.44		32.331
525.54		32.333
525.64		32.336
525.74		32.339
525.84		32.341
525.94		32.344
526.		32.346
526.01		
526.02		
526.05		32.347
526.14		32.349
526.24		32.352
526.34		32.355
526.44		32.358
526.54		32.36
526.64		32.363
526.74		32.366
526.84		32.368
526.94		32.371
527.		32.373
527.01		
527.02		
527.05		32.374
527.14		32.376
527.24		32.379
527.34		32.382
527.44		32.384
527.54		32.387
527.64		32.39
527.74	23.99	32.392
527.84		32.395
527.94		32.398
528.		32.399
528.01		32.4
528.02		
528.05		32.401
528.14		32.403
528.24		32.406
528.34		32.409
528.44		32.411
528.54		32.414
528.64		32.417
528.74		32.419
528.84		32.422
528.94		32.425
529.		32.426
529.01		32.427
529.02		
529.05		32.428
529.14		32.43
529.24		32.433
529.34		32.435
529.44		32.438
529.54		32.441
529.64		32.443

529.74		32.446
529.84		32.449
529.94		32.451
530.		32.453
530.01		
530.02		32.454
530.05		
530.14		32.457
530.24		32.459
530.34		32.462
530.44		32.465
530.54		32.467
530.64		32.47
530.74		32.473
530.84		32.475
530.94		32.478
531.		32.48
531.01		
531.02		
531.05		32.481
531.14		32.483
531.24		32.486
531.34		32.489
531.44		32.491
531.54	23.991	32.494
531.64		32.497
531.74		32.499
531.84		32.502
531.94		32.505
532.		32.506
532.01		
532.02		32.507
532.05		32.508
532.14		32.51
532.24		32.513
532.34		32.515
532.44		32.518
532.54		32.521
532.64		32.523
532.74		32.526
532.84		32.528
532.94		32.531
533.		32.533
533.01		
533.02		
533.05		32.534
533.14		32.536
533.24		32.539
533.34		32.542
533.44		32.544
533.54		32.547
533.64		32.55
533.74		32.552
533.84		32.555
533.94		32.558
534.		32.559
534.01		
534.02		32.56
534.05		
534.14		32.563

534.24		32.565
534.34		32.568
534.44		32.571
534.54		32.573
534.64		32.576
534.74		32.579
534.84		32.581
534.94		32.584
535.		32.586
535.01		
535.02		
535.05		32.587
535.14		32.589
535.24		32.592
535.34		32.594
535.44		32.597
535.54		32.6
535.64		32.602
535.74		32.605
535.84	23.992	32.608
535.94		32.61
536.		32.612
536.01		
536.02		
536.05		32.613
536.14		32.615
536.24		32.618
536.34		32.621
536.44		32.623
536.54		32.626
536.64		32.629
536.74		32.631
536.84		32.634
536.94		32.636
537.		32.638
537.01		
537.02		32.639
537.05		
537.14		32.642
537.24		32.644
537.34		32.647
537.44		32.65
537.54		32.652
537.64		32.655
537.74		32.657
537.84		32.66
537.94		32.663
538.		32.664
538.01		
538.02		32.665
538.05		32.666
538.14		32.668
538.24		32.67
538.34		32.673
538.44		32.676
538.54		32.678
538.64		32.681
538.74		32.684
538.84		32.686
538.94		32.689

539.		32.69
539.01		32.691
539.02		
539.05		32.692
539.14		32.694
539.24		32.697
539.34		32.699
539.44		32.702
539.54		32.704
539.64		32.707
539.74		32.71
539.84		32.712
539.94		32.715
540.		32.716
540.01		32.717
540.02	23.993	
540.05		32.718
540.14		32.72
540.24		32.723
540.34		32.725
540.44		32.728
540.54		32.73
540.64		32.733
540.74		32.736
540.84		32.738
540.94		32.741
541.		32.742
541.01		32.743
541.02		
541.05		32.744
541.14		32.746
541.24		32.749
541.34		32.751
541.44		32.754
541.54		32.756
541.64		32.759
541.74		32.761
541.84		32.764
541.94		32.767
542.		32.768
542.01		
542.02		32.769
542.05		
542.14		32.772
542.24		32.774
542.34	23.994	32.777
542.44		32.78
542.54		32.782
542.64		32.785
542.74		32.787
542.84		32.79
542.94		32.792
543.		32.794
543.01		
543.02		32.795
543.05		
543.14		32.798
543.24		32.8
543.34		32.803
543.44		32.805

543.54		32.808
543.64		32.81
543.74		32.813
543.84		32.816
543.94		32.818
544.		32.82
544.01		
544.02		
544.05		32.821
544.14		32.823
544.24		32.826
544.34		32.828
544.44		32.831
544.54		32.834
544.64		32.836
544.74		32.839
544.84		32.841
544.94		32.844
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545.01		32.846
545.02		
545.05		32.847
545.14		32.849
545.24		32.852
545.34		32.854
545.44		32.857
545.54		32.859
545.64		32.862
545.74		32.864
545.84		32.867
545.94		32.87
546.		32.871
546.01		
546.02		32.872
546.05		
546.14		32.875
546.24		32.877
546.34		32.88
546.44		32.882
546.54		32.885
546.64		32.887
546.74	23.995	32.89
546.84		32.893
546.94		32.895
547.		32.897
547.01		
547.02		
547.05		32.898
547.14		32.9
547.24		32.903
547.34		32.905
547.44		32.908
547.54		32.91
547.64		32.913
547.74		32.915
547.84		32.918
547.94		32.921
548.		32.922
548.01		
548.02		32.923

548.05		
548.14		32.926
548.24		32.928
548.34		32.931
548.44		32.933
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548.64		32.938
548.74		32.941
548.84		32.943
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549.01		
549.02		
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549.54		32.961
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550.02		
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550.34		32.981
550.44		32.984
550.54		32.987
550.64		32.989
550.74		32.992
550.84		32.994
550.94		32.997
551.		32.998
551.01	23.996	
551.02		32.999
551.05		
551.14		33.002
551.24		33.004
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551.84		33.019
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552.		33.023
552.01		33.024
552.02		
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552.14		33.027
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552.54		33.037
552.64		33.039
552.74		33.042

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553.		33.049
553.01		
553.02		
553.05		33.05
553.14		33.052
553.24	23.997	33.055
553.34		33.057
553.44		33.06
553.54		33.062
553.64		33.065
553.74		33.067
553.84		33.07
553.94		33.072
554.		33.074
554.01		
554.02		
554.05		33.075
554.14		33.077
554.24		33.08
554.34		33.082
554.44		33.085
554.54		33.087
554.64		33.09
554.74		33.092
554.84		33.095
554.94		33.097
555.		33.099
555.01		
555.02		
555.05		33.1
555.14		33.102
555.24		33.105
555.34		33.107
555.44		33.11
555.54		33.112
555.64		33.115
555.74		33.117
555.84		33.12
555.94		33.122
556.		33.124
556.01		
556.02		
556.05		33.125
556.14		33.127
556.24		33.13
556.34		33.132
556.44		33.135
556.54		33.137
556.64		33.14
556.74		33.142
556.84		33.145
556.94		33.147
557.		33.149
557.01		
557.02		
557.05		33.15
557.14		33.152
557.24		33.154

557.34	23.998	33.157
557.44		33.159
557.54		33.162
557.64		33.164
557.74		33.167
557.84		33.169
557.94		33.172
558.		33.173
558.01		33.174
558.02		
558.05		33.175
558.14		33.177
558.24		33.179
558.34		33.182
558.44		33.184
558.54		33.187
558.64		33.189
558.74		33.192
558.84		33.194
558.94		33.197
559.		33.198
559.01		
559.02		33.199
559.05		
559.14		33.202
559.24		33.204
559.34		33.207
559.44		33.209
559.54		33.211
559.64		33.214
559.74		33.216
559.84		33.219
559.94		33.221
560.		33.223
560.4		33.233
560.8		33.243
562.	23.999	33.272
565.6	24.	33.36
569.6		33.457
573.6	24.001	33.552
577.6	24.002	33.647
581.6	24.003	33.741
585.6	24.004	33.834
589.6	24.005	33.925
593.6	24.006	34.016
597.6	24.007	34.106
600.		34.16
606.	24.009	34.292
612.	24.01	34.423
630.	24.014	34.801
684.	24.024	35.828
744.	24.035	36.729
804.	24.044	37.483
864.	24.053	38.103
924.	24.06	38.604
984.	24.068	38.997
1044.	24.074	39.295
1104.	24.08	39.507
1164.	24.086	39.642
1200.	24.089	39.719

1212.	24.09	39.737
1224.	24.091	39.752
1260.	24.094	39.789
1368.	24.102	39.672
1476.	24.108	39.425
1596.	24.115	39.025
1716.	24.12	38.53
1836.	24.124	37.963
1956.	24.127	37.344
2076.	24.13	36.69
2196.	24.132	36.013
2316.	24.134	35.324
2400.		34.838
2412.		34.769
2424.		34.7
2460.	24.135	34.501
2568.		33.877
2676.		33.26
2796.		32.587
2916.	24.134	31.928
3036.	24.132	31.288
3156.	24.131	30.667
3276.	24.129	30.067
3396.	24.127	29.488
3516.	24.124	28.931
3600.	24.123	28.552
3612.	24.122	28.498
3624.		28.445
3660.	24.121	28.29
3768.	24.119	27.829
3876.	24.116	27.387
3996.	24.113	26.916
4116.	24.109	26.467
4236.	24.105	26.039
4356.	24.102	25.631
4476.	24.098	25.272
4596.	24.094	25.147
4716.	24.089	25.064
4800.	24.086	25.01
4812.		25.002
4824.	24.085	24.994
4860.	24.084	24.972
4968.	23.835	24.907
5076.	23.563	24.846
5196.	23.276	24.781
5316.	23.004	24.72
5436.	22.745	24.662
5556.	22.5	24.607
5676.	22.267	24.554
5796.	22.047	24.505
5916.	21.838	24.457
6000.	21.696	24.425
6012.	21.676	24.42
6024.	21.656	24.416
6060.	21.599	24.403
6168.	21.43	24.364
6276.	21.27	24.326
6396.	21.1	24.287
6516.	20.94	24.256
6636.	20.788	24.238

6756.	20.644	24.22
6876.	20.508	24.202
6996.	20.379	24.186
7116.	20.256	24.169
7200.	20.178	24.158
7212.	20.166	24.156
7224.	20.154	24.155
7260.	20.12	24.15
7368.	20.021	24.136
7476.	19.933	24.123
7596.	19.835	24.108
7716.	19.742	24.094
7836.	19.661	24.08
7956.	19.584	24.067
8076.	19.511	24.054
8196.	19.443	24.042
8316.	19.378	24.029
8400.	19.334	24.021
8412.	19.327	24.019
8424.	19.321	24.018
8460.	19.302	24.014
8568.	19.25	24.004
8688.	19.196	23.992
8808.	19.146	23.981
8928.	19.099	23.97
9048.	19.054	23.959
9168.	19.012	23.949
9288.	18.972	23.938
9408.	18.934	23.928
9528.	18.897	23.919
9600.	18.876	23.912
9612.	18.872	23.911
9624.	18.868	23.91
9660.	18.857	23.907
9768.	18.827	23.899
9888.	18.796	23.89
10008	18.766	23.881
10128	18.738	23.872
10248	18.711	23.863
10368	18.685	23.855
10488	18.66	23.847
10608	18.635	23.838
10728	18.612	23.83
10800	18.598	23.825

Material Data

Drum Contents

TABLE 28
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 29
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 30

Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 31
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 32
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 33
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 34
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 35
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 36
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 37
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 38
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 39
Room Steel > Constants

Density	7854 kg m^-3

TABLE 40
Room Steel > Isotropic Thermal Conductivity

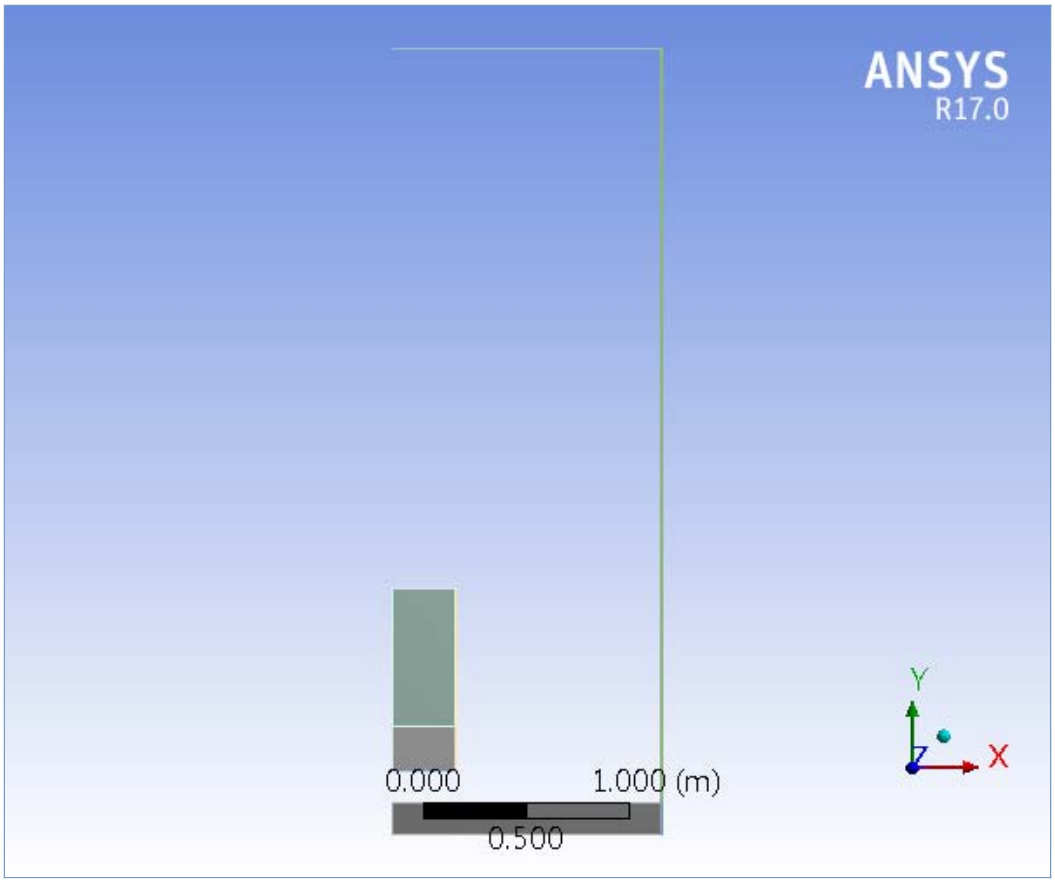
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 41
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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  - Drum Contents
  - Drum Steel
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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (M4)

Geometry

TABLE 2
Model (M4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-4\DM\SYS-4.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	

Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	13
Active Bodies	13
Nodes	12833
Elements	3928
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (M4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										

Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											
Nodes	1901	613	133	413	3741	813	613	133	1301	213	2013
Elements	600	180	36	120	1200	240	180	36	400	60	600
Mesh Metric	None										

TABLE 4
Model (M4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*
State	Meshed	
Graphics Properties		
Visible	Yes	
Transparency	1	
Definition		
Suppressed	No	
Stiffness Behavior	Flexible	
Coordinate System	Default Coordinate System	
Reference Temperature	By Environment	
Behavior	None	
Material		
Assignment	Room Steel	
Nonlinear Effects	Yes	
Thermal Strain Effects	Yes	
Bounding Box		
Length X	6.35e-003 m	1.3035 m
Length Y	6.35e-003 m	
Properties		
Volume	N/A	
Mass	N/A	
Centroid X	N/A	
Centroid Y	N/A	
Centroid Z	N/A	
Moment of Inertia Ip1	N/A	
Moment of Inertia Ip2	N/A	
Moment of Inertia Ip3	N/A	
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²
Statistics		
Nodes	133	813
Elements	36	240
Mesh Metric	None	

Coordinate Systems

TABLE 5
Model (M4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m

Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (M4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (M4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.e-005 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	14
Active Connections	14

TABLE 8
Model (M4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.e-005 m										

Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (M4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Contact	1 Edge		
Target	1 Edge		
Contact Bodies	Surface Body		
Target Bodies	Surface Body		
Shell Thickness Effect	No		
Definition			
Type	Bonded		
Scope Mode	Automatic		
Behavior	Program Controlled		
Trim Contact	Program Controlled		
Trim Tolerance	1.e-005 m		
Suppressed	No		
Advanced			
Formulation	Program Controlled		
Detection Method	Program Controlled		
Elastic Slip Tolerance	Program Controlled		
Thermal Conductance	Program Controlled		
Pinball Region	Program Controlled		
Geometric Modification			
Contact Geometry Correction	None		
Target Geometry Correction	None		

Mesh

TABLE 10
Model (M4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive

Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	12833
Elements	3928
Mesh Metric	None

TABLE 11
Model (M4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*
State	Fully Defined									
Scope										
Scoping Method	Named Selection									Geometry Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	
Geometry										13 Faces
Definition										
Suppressed	No									
Type	Number of Divisions									
Number of Divisions	6	30	20	40	10	50	6	100	40	
Behavior	Hard									
Bias Type	No Bias									
Mapped Mesh										Yes
Method										Quadrilaterals
Constrain Boundary										No
Advanced										

Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 12
Model (M4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*
State	Fully Defined								
Scope									
Scoping Method	Worksheet				Geometry Selection	Worksheet			
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Definition									
Send to Solver	Yes								
Visible	Yes								
Program Controlled Inflation	Exclude								
Statistics									
Type	Manual								
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m
Suppressed	0								
Used by Mesh Worksheet	No								
Tolerance									
Tolerance Type	Program Controlled					Program Controlled			
Zero Tolerance	1.e-008					1.e-008			
Relative Tolerance	1.e-003					1.e-003			

Transient Thermal (M5)

TABLE 13
Model (M4) > Analysis

Object Name	*Transient Thermal (M5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 14
Model (M4) > Transient Thermal (M5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined
Definition	

Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 15
Model (M4) > Transient Thermal (M5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	524.
Current Step Number	524.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	2. s
Minimum Time Step	0.2 s
Maximum Time Step	20. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-4\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 16
Model (M4) > Transient Thermal (M5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			

12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s	2.e-002 s	2.e-003 s	0.2 s
43	86. s			
44	88. s			
45	90. s			
46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72				

	144. s			
73	146. s			
74	148. s			
75	150. s			
76	151. s			
77	152. s			
78	153. s			
79	154. s			
80	155. s			
81	156. s			
82	157. s			
83	158. s			
84	159. s			
85	160. s			
86	161. s			
87	162. s			
88	163. s			
89	164. s			
90	165. s			
91	166. s			
92	167. s			
93	168. s			
94	169. s			
95	170. s			
96	171. s			
97	172. s			
98	173. s			
99	174. s			
100	175. s			
101	176. s			
102	177. s			
103	178. s			
104	179. s			
105	180. s			
106	181. s			
107	182. s			
108	183. s			
109	184. s			
110	185. s			
111	186. s			
112	187. s			
113	188. s			
114	189. s			
115	190. s			
116	191. s			
117	192. s			
118	193. s			
119	194. s			
120	195. s			
121	196. s			
122	197. s			
123	198. s			
124	199. s			
125	200. s			
126	201. s			
127	202. s			
128	203. s			
129	204. s			
130	205. s			
131	206. s			
132				

	207. s
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135	210. s
136	211. s
137	212. s
138	213. s
139	214. s
140	215. s
141	216. s
142	217. s
143	218. s
144	219. s
145	220. s
146	221. s
147	222. s
148	223. s
149	224. s
150	225. s
151	226. s
152	227. s
153	228. s
154	229. s
155	230. s
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157	232. s
158	233. s
159	234. s
160	235. s
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162	237. s
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164	239. s
165	240. s
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207	282. s
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216	291. s
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218	293. s
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232	307. s
233	308. s
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235	310. s
236	311. s
237	312. s
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245	320. s
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247	322. s
248	323. s
249	324. s
250	325. s
251	326. s
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	327. s
253	328. s
254	329. s
255	330. s
256	331. s
257	332. s
258	333. s
259	334. s
260	335. s
261	336. s
262	337. s
263	338. s
264	339. s
265	340. s
266	341. s
267	342. s
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283	358. s
284	359. s
285	360. s
286	361. s
287	362. s
288	363. s
289	364. s
290	365. s
291	366. s
292	367. s
293	368. s
294	369. s
295	370. s
296	371. s
297	372. s
298	373. s
299	374. s
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303	378. s
304	379. s
305	380. s
306	381. s
307	382. s
308	383. s
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311	386. s
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315	390. s
316	391. s
317	392. s
318	393. s
319	394. s
320	395. s
321	396. s
322	397. s
323	398. s
324	399. s
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327	402. s
328	403. s
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334	409. s
335	410. s
336	411. s
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339	414. s
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341	416. s
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344	419. s
345	420. s
346	421. s
347	422. s
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349	424. s
350	425. s
351	426. s
352	427. s
353	428. s
354	429. s
355	430. s
356	431. s
357	432. s
358	433. s
359	434. s
360	435. s
361	436. s
362	437. s
363	438. s
364	439. s
365	440. s
366	441. s
367	442. s
368	443. s
369	444. s
370	445. s
371	446. s
372	

	447. s
373	448. s
374	449. s
375	450. s
376	451. s
377	452. s
378	453. s
379	454. s
380	455. s
381	456. s
382	457. s
383	458. s
384	459. s
385	460. s
386	461. s
387	462. s
388	463. s
389	464. s
390	465. s
391	466. s
392	467. s
393	468. s
394	469. s
395	470. s
396	471. s
397	472. s
398	473. s
399	474. s
400	475. s
401	476. s
402	477. s
403	478. s
404	479. s
405	480. s
406	481. s
407	482. s
408	483. s
409	484. s
410	485. s
411	486. s
412	487. s
413	488. s
414	489. s
415	490. s
416	491. s
417	492. s
418	493. s
419	494. s
420	495. s
421	496. s
422	497. s
423	498. s
424	499. s
425	500. s
426	501. s
427	502. s
428	503. s
429	504. s
430	505. s
431	506. s
432	

	507. s				
433	508. s				
434	509. s				
435	510. s				
436	511. s				
437	512. s				
438	513. s				
439	514. s				
440	515. s				
441	516. s				
442	517. s				
443	518. s				
444	519. s				
445	520. s				
446	521. s				
447	522. s				
448	523. s				
449	524. s				
450	525. s				
451	526. s				
452	527. s				
453	528. s				
454	529. s				
455	530. s				
456	531. s	1.e-002 s			
457	532. s				
458	533. s				
459	534. s				
460	535. s				
461	536. s				
462	537. s				
463	538. s				
464	539. s				
465	540. s				
466	541. s				
467	542. s				
468	543. s				
469	544. s				
470	545. s				
471	546. s				
472	547. s				
473	548. s				
474	549. s				
475	550. s				
476	551. s				
477	552. s				
478	553. s				
479	554. s				
480	555. s				

			1.e-003 s		

				0.1 s
481	560. s	5.e-002 s	5.e-003 s	0.5 s
482	565. s			
483	570. s			
484	575. s			
485	580. s			
486	585. s			
487	590. s			
488	595. s			
489	600. s			
490	700. s	1. s	0.1 s	10. s
491	800. s			
492	900. s			
493	1000. s			
494	1200. s	2. s	0.2 s	20. s
495	1400. s			
496	1600. s			
497	1800. s			
498	2000. s			
499	2200. s			
500	2400. s			
501	2600. s			
502	2800. s			
503	3000. s			
504	3200. s			
505	3400. s			
506	3600. s			
507	3800. s			
508	4000. s			
509	4200. s			
510	4400. s			
511	4600. s			
512	4800. s			
513	5000. s			
514	5200. s			
515	5400. s			
516	5600. s			
517	5800. s			
518	6000. s			
519	6200. s			
520	6400. s			
521	6600. s			
522	6800. s			
523	7000. s			
524	7200. s			

TABLE 17
Model (M4) > Transient Thermal (M5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*
State	Fully Defined									
Scope										
Scoping Method	Geometry Selection									
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges		
Definition										
Type	Temperature	Radiation						Convection	Heat Flux	Radiation
Magnitude	22.25 °C (step applied)								Tabular Data	

Suppressed	No									
Correlation		Surface to Surface								To Ambient
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			1. (step applied)
Enclosure		1.								
Enclosure Type		Perfect								
Film Coefficient								Tabular Data		
Ambient Temperature								Tabular Data		16.85 °C (step applied)
Convection Matrix								Program Controlled		
Edit Data For								Film Coefficient		
Tabular Data										
Independent Variable								Time		

FIGURE 1
Model (M4) > Transient Thermal (M5) > Temperature

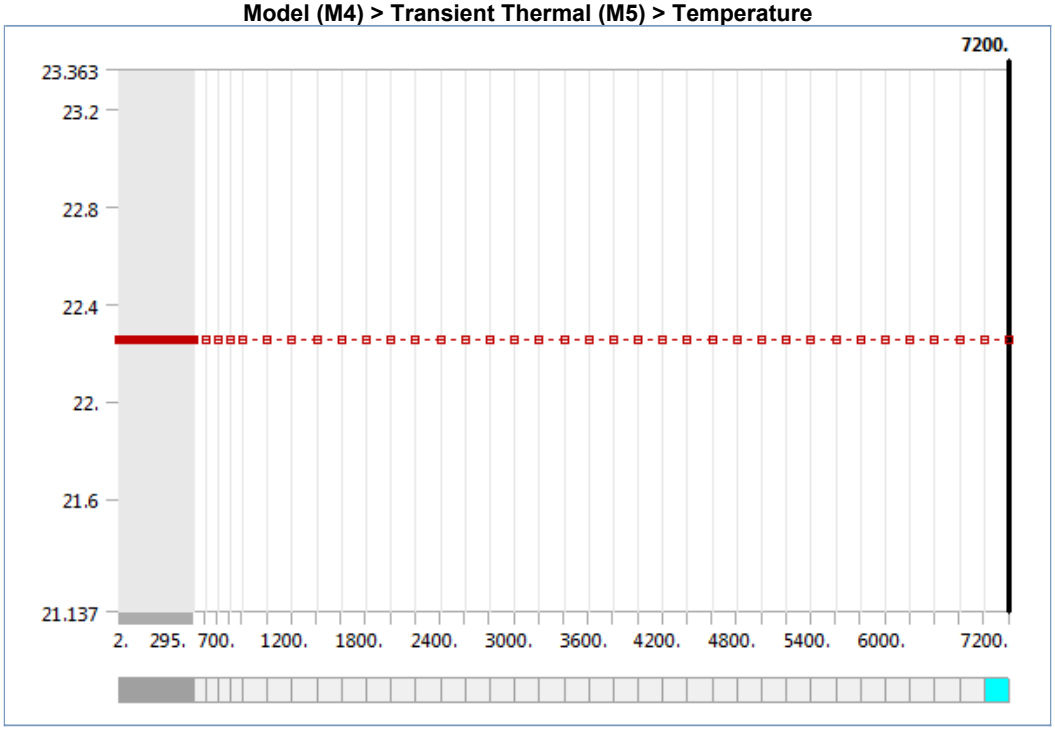


FIGURE 2
Model (M4) > Transient Thermal (M5) > Radiation 2

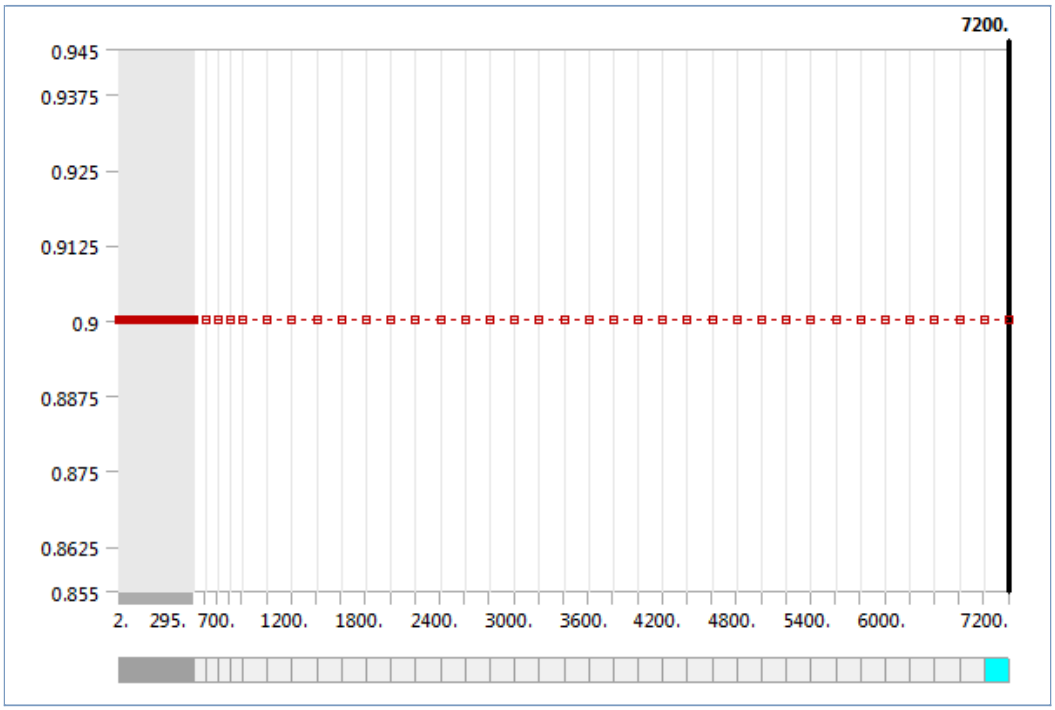


FIGURE 3
Model (M4) > Transient Thermal (M5) > Radiation 3

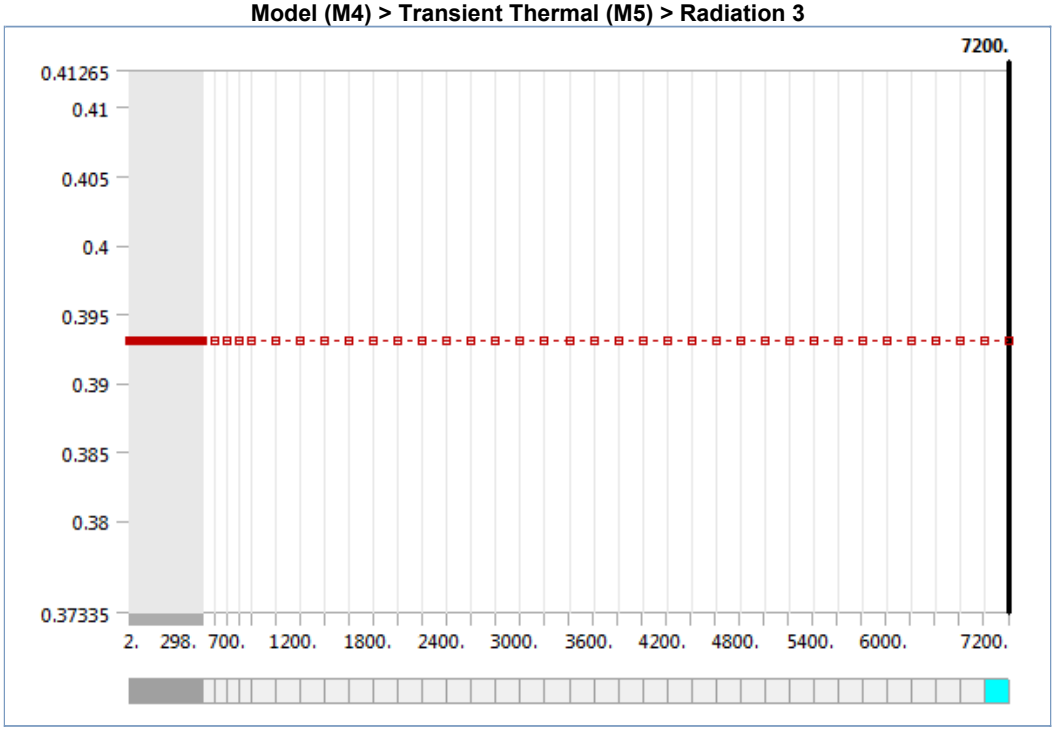


FIGURE 4
Model (M4) > Transient Thermal (M5) > Radiation 4

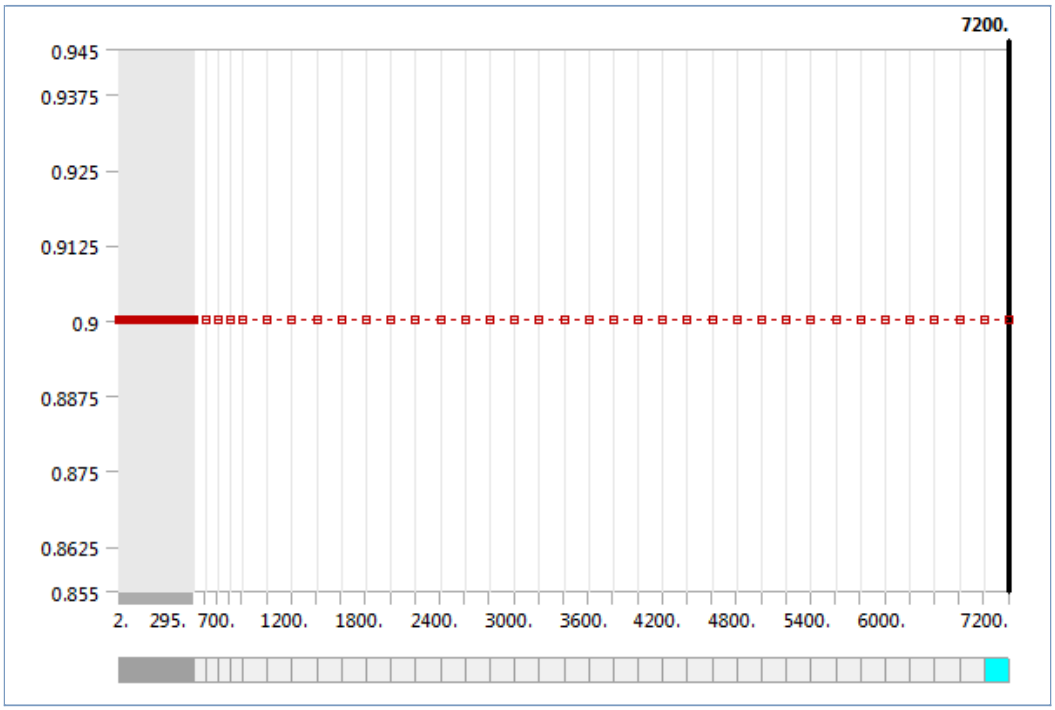


FIGURE 5
Model (M4) > Transient Thermal (M5) > Radiation 5

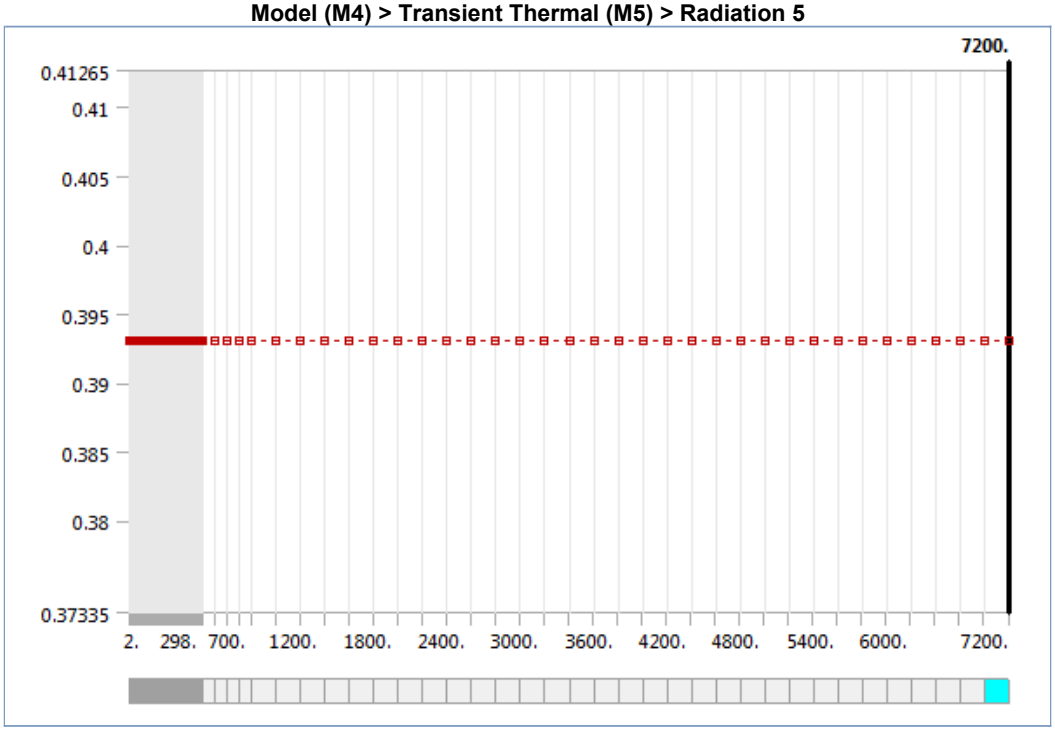


FIGURE 6
Model (M4) > Transient Thermal (M5) > Radiation 6

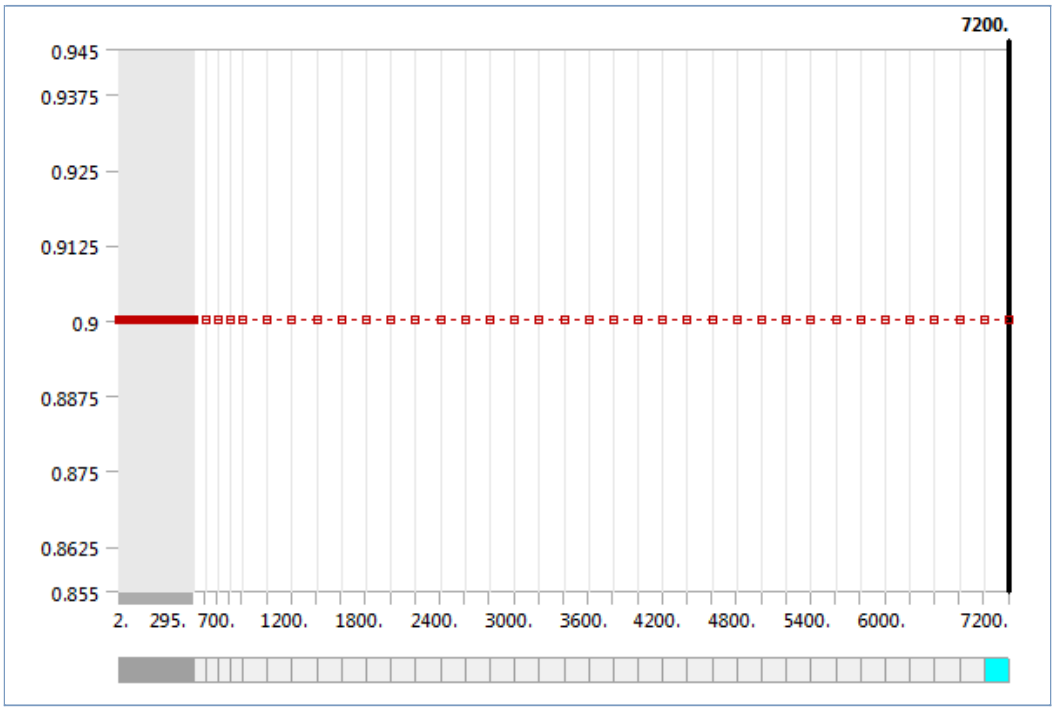


FIGURE 7
Model (M4) > Transient Thermal (M5) > Radiation 7

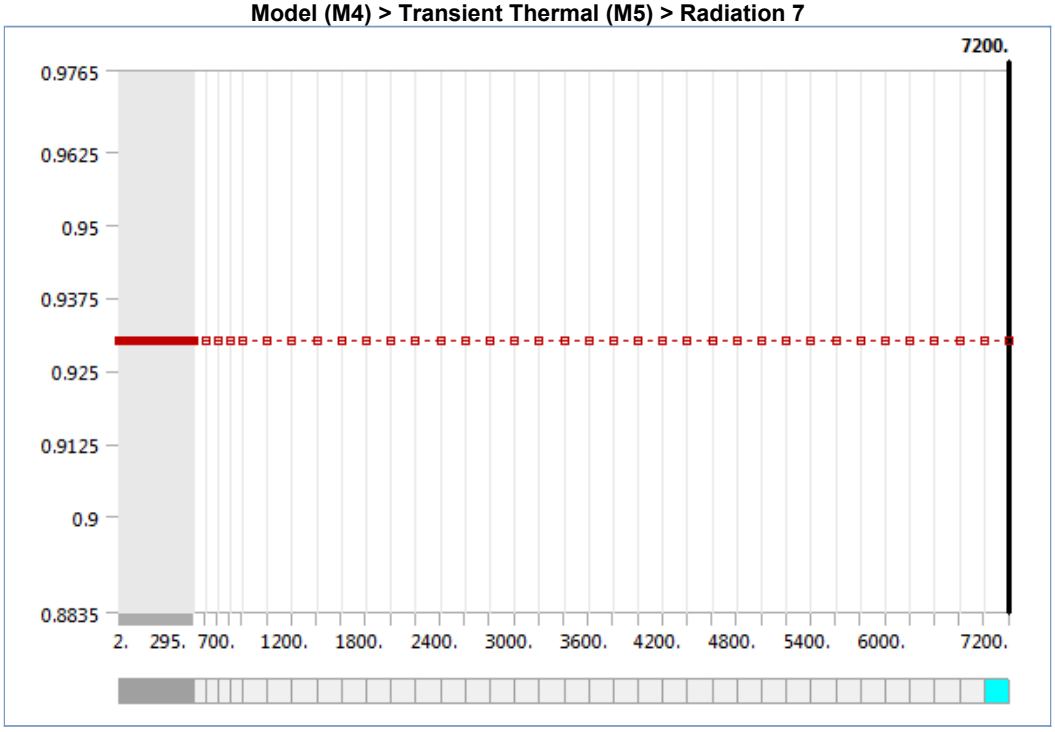


FIGURE 8
Model (M4) > Transient Thermal (M5) > Convection

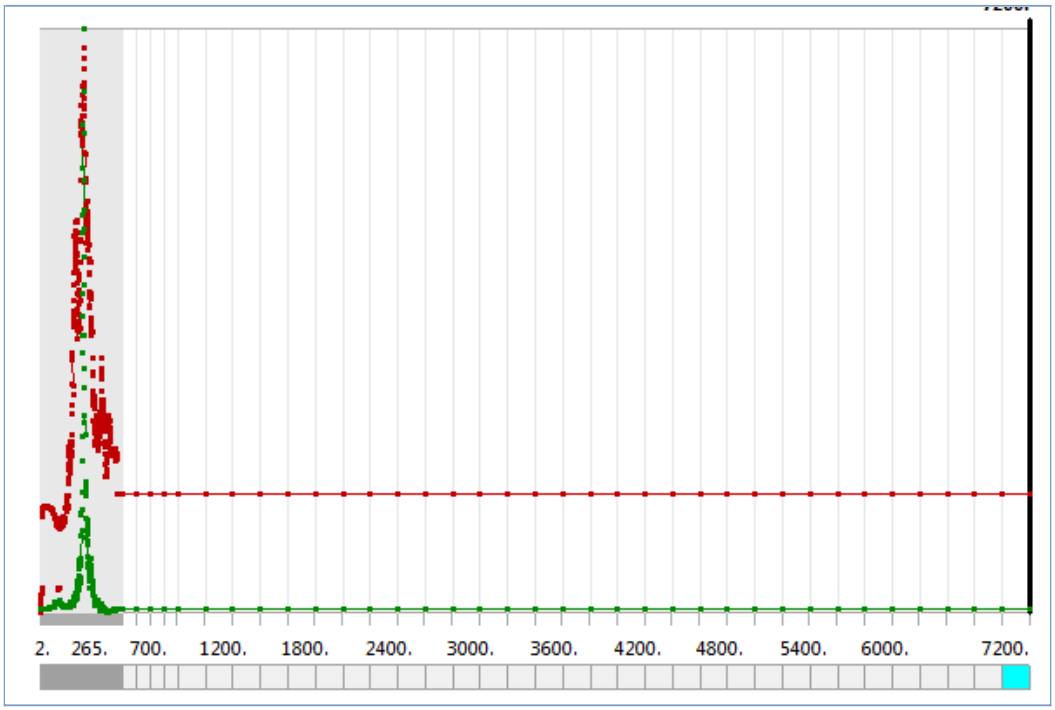


TABLE 18
Model (M4) > Transient Thermal (M5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	
3	6.	0.92	
4	8.	1.12	16.87
5	10.	1.29	16.89
6	12.	4.14	16.88
7	14.	4.26	
8	16.	4.38	17.33
9	18.	4.44	17.
10	20.	4.49	17.12
11	22.	4.51	17.61
12	24.	4.53	17.05
13	26.		16.97
14	28.		16.98
15	30.	4.54	17.06
16	32.	4.53	17.05
17	34.		17.07
18	36.		17.1
19	38.		17.13
20	40.		17.61
21	42.	4.52	17.17
22	44.		17.18
23	46.	4.51	17.19
24	48.		17.22
25	50.	4.49	17.29
26	52.	4.48	17.33
27	54.	4.47	17.41
28	56.		17.49
29	58.	4.46	17.54
30	60.		17.58
31	62.		17.6
32	64.		17.64

33	66.	4.45	17.68
34	68.		
35	70.	4.44	17.65
36	72.		17.66
37	74.		17.68
38	76.	4.42	17.69
39	78.	4.41	17.72
40	80.	4.4	17.75
41	82.	4.39	
42	84.	4.38	17.77
43	86.	4.36	17.79
44	88.	4.34	17.82
45	90.	4.31	17.87
46	92.	4.27	17.98
47	94.	4.23	18.14
48	96.	4.21	18.3
49	98.	4.19	18.48
50	100.	4.18	18.76
51	102.	4.15	19.15
52	104.	4.1	19.88
53	106.	4.07	20.65
54	108.		21.01
55	110.	4.03	20.57
56	112.	3.95	19.99
57	114.	3.91	19.77
58	116.	3.86	19.67
59	118.	3.82	20.22
60	120.	3.78	19.91
61	122.	3.68	19.93
62	124.	1.3	20.22
63	126.		20.01
64	128.		20.24
65	130.	1.27	21.18
66	132.	1.28	21.06
67	134.		20.67
68	136.	1.3	20.44
69	138.	1.29	21.67
70	140.	1.3	21.29
71	142.	3.65	20.97
72	144.	3.67	20.54
73	146.	3.71	20.15
74	148.	3.68	19.78
75	150.	3.84	19.37
76	151.	3.87	19.13
77	152.	3.9	18.7
78	153.	3.89	18.71
79	154.	3.85	18.68
80	155.	3.9	18.72
81	156.	3.93	18.68
82	157.		18.77
83	158.	4.03	18.7
84	159.	4.09	18.64
85	160.	4.07	18.72
86	161.	3.96	18.83
87	162.	3.77	18.84
88	163.	3.79	18.79
89	164.		18.74
90	165.	3.77	18.68
91	166.	3.8	18.64
92	167.		18.56

93	168.	3.83	18.45
94	169.	3.87	18.25
95	170.	3.92	18.22
96	171.	3.95	18.19
97	172.		18.18
98	173.	3.96	18.15
99	174.	4.	18.14
100	175.	3.97	18.12
101	176.	4.04	18.09
102	177.	4.01	18.06
103	178.	3.97	18.03
104	179.	3.95	17.98
105	180.	3.94	17.91
106	181.	3.92	17.93
107	182.	4.06	18.18
108	183.	4.46	18.38
109	184.	4.86	18.83
110	185.	4.96	19.
111	186.	4.83	18.94
112	187.	4.76	18.84
113	188.	4.71	18.8
114	189.	4.69	18.7
115	190.	4.55	18.64
116	191.	4.53	18.53
117	192.	4.41	18.44
118	193.	4.42	18.36
119	194.	4.34	18.29
120	195.	4.36	18.21
121	196.	4.37	18.16
122	197.	4.42	18.11
123	198.	4.55	18.1
124	199.	4.9	18.08
125	200.	5.4	18.05
126	201.	5.59	18.12
127	202.	5.53	18.21
128	203.	5.58	18.45
129	204.	5.98	18.49
130	205.	6.17	18.43
131	206.	6.51	18.41
132	207.	6.64	18.39
133	208.	6.75	18.36
134	209.	6.87	18.3
135	210.	6.92	18.25
136	211.	7.02	18.21
137	212.	6.99	18.15
138	213.	6.83	18.1
139	214.	6.49	18.05
140	215.	6.12	18.19
141	216.	5.88	18.29
142	217.	5.8	18.5
143	218.	6.03	20.02
144	219.	6.35	20.8
145	220.	6.25	20.88
146	221.	6.31	20.24
147	222.	6.52	19.5
148	223.	6.64	19.76
149	224.	6.9	20.01
150	225.	7.04	19.76
151	226.	7.3	19.14
152	227.	8.14	18.97

153	228.	8.47	19.31
154	229.	9.29	18.85
155	230.	10.24	18.81
156	231.	10.5	18.8
157	232.	10.54	18.77
158	233.	10.48	19.08
159	234.	10.28	18.86
160	235.	9.26	19.17
161	236.	8.87	18.62
162	237.	11.61	20.22
163	238.	12.	21.98
164	239.	11.82	23.68
165	240.	11.59	23.28
166	241.	11.65	23.37
167	242.	13.21	23.01
168	243.	13.7	22.66
169	244.	13.17	22.57
170	245.	12.56	21.67
171	246.	12.19	21.6
172	247.	15.14	21.4
173	248.	15.08	22.48
174	249.	14.77	22.61
175	250.	14.11	22.32
176	251.	14.35	21.7
177	252.	13.68	21.82
178	253.	14.32	22.34
179	254.	15.69	21.99
180	255.	15.32	22.2
181	256.	14.94	22.95
182	257.	14.44	24.65
183	258.	13.9	24.1
184	259.	14.54	25.07
185	260.	13.78	24.82
186	261.	14.39	30.9
187	262.	15.22	31.32
188	263.	15.66	30.97
189	264.	15.74	29.72
190	265.	14.41	27.13
191	266.	13.74	26.5
192	267.	13.29	25.3
193	268.	12.85	22.85
194	269.	12.24	23.55
195	270.	11.39	25.23
196	271.	11.57	24.69
197	272.	11.09	23.52
198	273.	12.48	26.86
199	274.	11.63	26.74
200	275.	12.06	29.67
201	276.	11.61	29.45
202	277.	11.34	29.3
203	278.	12.51	38.32
204	279.	12.04	37.56
205	280.	13.6	33.65
206	281.	13.	42.74
207	282.	13.43	39.58
208	283.	13.	37.49
209	284.	12.81	37.97
210	285.	11.78	33.91
211	286.	11.46	31.4
212	287.	12.57	30.39
213			

	288.	14.98	33.12
214	289.	14.96	39.25
215	290.	14.06	42.88
216	291.	14.93	65.85
217	292.	17.33	66.58
218	293.	19.09	66.13
219	294.	19.13	54.97
220	295.	19.45	42.44
221	296.	20.26	41.81
222	297.	19.66	43.12
223	298.	19.26	57.34
224	299.	19.03	68.34
225	300.	19.32	77.37
226	301.	18.74	93.83
227	302.	19.56	106.49
228	303.	18.65	149.76
229	304.	19.3	158.23
230	305.	18.86	168.82
231	306.	20.64	221.21
232	307.	21.	211.45
233	308.	19.21	179.91
234	309.	19.86	245.03
235	310.	20.26	267.73
236	311.	20.53	223.74
237	312.	22.52	238.99
238	313.	23.25	213.39
239	314.	21.67	263.01
240	315.	21.02	317.32
241	316.	20.8	284.87
242	317.	21.14	185.17
243	318.	19.82	131.67
244	319.	20.08	141.44
245	320.	22.07	199.04
246	321.	20.23	159.07
247	322.	18.4	113.38
248	323.	17.26	117.53
249	324.	18.33	107.67
250	325.	17.38	80.67
251	326.	16.34	83.08
252	327.	15.57	78.55
253	328.	16.11	75.43
254	329.	17.21	77.87
255	330.	16.2	75.59
256	331.	15.49	81.43
257	332.	15.26	76.09
258	333.	15.81	78.34
259	334.	15.24	64.1
260	335.	14.84	54.29
261	336.	16.5	58.7
262	337.	16.1	63.57
263	338.	15.18	60.71
264	339.	15.98	55.99
265	340.	15.52	52.39
266	341.	15.36	44.38
267	342.	15.67	40.7
268	343.	15.84	41.04
269	344.	15.67	39.82
270	345.	14.96	39.93
271	346.	15.07	38.38
272	347.	14.6	39.25
273			

	348.	15.01	50.27
274	349.	14.76	38.38
275	350.	14.22	42.87
276	351.	14.21	41.9
277	352.	14.06	41.49
278	353.	14.09	27.79
279	354.	13.63	31.88
280	355.	13.66	37.32
281	356.	12.69	38.15
282	357.	12.94	35.31
283	358.	12.91	35.76
284	359.	12.87	34.95
285	360.	12.36	34.05
286	361.	12.29	38.85
287	362.	12.78	43.4
288	363.	12.64	39.86
289	364.	12.8	37.24
290	365.	14.07	39.09
291	366.	12.85	36.7
292	367.	11.93	34.47
293	368.	11.71	39.33
294	369.	11.64	37.61
295	370.	11.5	37.48
296	371.	11.39	38.23
297	372.	11.2	37.16
298	373.	11.42	36.2
299	374.	11.33	31.82
300	375.	10.34	31.85
301	376.	9.75	30.42
302	377.	9.74	29.18
303	378.	9.67	26.72
304	379.	9.04	26.98
305	380.	9.03	26.42
306	381.	8.82	24.74
307	382.	8.83	25.52
308	383.		26.33
309	384.	8.65	25.85
310	385.	8.46	25.06
311	386.	7.87	24.59
312	387.	7.76	23.89
313	388.	7.45	20.48
314	389.	7.36	19.94
315	390.	7.74	19.26
316	391.	8.78	19.55
317	392.	8.83	20.57
318	393.	8.52	20.
319	394.	8.39	19.78
320	395.	8.32	19.5
321	396.	7.78	19.27
322	397.	6.93	19.8
323	398.	7.06	19.73
324	399.	7.63	19.83
325	400.	7.99	20.17
326	401.	8.09	20.26
327	402.	7.77	19.73
328	403.	7.68	19.5
329	404.	7.74	19.29
330	405.	7.55	19.19
331	406.	7.24	19.1
332	407.	6.94	19.08

333	408.	7.33	19.51
334	409.	7.86	19.74
335	410.	7.33	20.16
336	411.	7.21	21.12
337	412.	7.53	21.41
338	413.	7.86	21.19
339	414.	7.51	20.79
340	415.	7.08	20.28
341	416.	6.91	20.11
342	417.	6.87	20.34
343	418.	6.73	20.23
344	419.	7.12	20.31
345	420.	7.32	20.43
346	421.	7.41	20.35
347	422.	7.3	19.88
348	423.	7.24	19.41
349	424.	7.21	19.05
350	425.	7.	18.82
351	426.	7.28	18.67
352	427.	7.77	18.43
353	428.	7.86	18.19
354	429.	7.68	17.93
355	430.	7.65	17.95
356	431.	8.2	17.69
357	432.	8.1	17.3
358	433.	8.	16.82
359	434.	7.59	16.57
360	435.	7.36	17.
361	436.	7.43	17.87
362	437.	7.55	18.05
363	438.	8.31	19.15
364	439.	8.45	19.8
365	440.	8.39	19.64
366	441.	9.05	19.46
367	442.	9.95	19.34
368	443.	10.36	19.21
369	444.	9.89	18.72
370	445.	9.7	18.47
371	446.	9.65	18.86
372	447.	9.52	18.44
373	448.	8.66	17.31
374	449.	8.49	17.73
375	450.	8.3	17.12
376	451.	8.66	16.65
377	452.	8.5	17.01
378	453.	8.58	17.71
379	454.	8.3	17.73
380	455.	8.23	17.39
381	456.	8.31	17.16
382	457.	8.14	17.32
383	458.	8.	17.16
384	459.	7.97	16.91
385	460.	8.02	16.87
386	461.	7.95	17.1
387	462.	8.01	16.91
388	463.	8.04	16.48
389	464.	7.87	16.63
390	465.	7.75	
391	466.	7.71	16.83
392	467.	7.51	16.54

393	468.	7.44	16.16
394	469.	7.58	16.08
395	470.	7.05	16.19
396	471.	6.96	16.37
397	472.	6.86	16.28
398	473.	6.54	16.35
399	474.	6.14	16.29
400	475.	5.68	16.21
401	476.	5.77	16.05
402	477.	5.71	15.78
403	478.	6.58	15.66
404	479.	6.51	15.76
405	480.	6.5	15.75
406	481.	6.41	15.72
407	482.	6.26	15.69
408	483.	5.86	15.66
409	484.	5.7	15.64
410	485.	5.93	15.58
411	486.	5.98	15.47
412	487.	6.28	15.36
413	488.	6.37	15.63
414	489.	6.84	16.13
415	490.	7.54	16.23
416	491.	7.73	16.24
417	492.	7.88	16.21
418	493.	7.98	16.16
419	494.	8.01	16.25
420	495.	8.05	16.06
421	496.		15.84
422	497.	8.04	15.75
423	498.	8.02	16.18
424	499.	8.03	16.29
425	500.	7.92	16.25
426	501.	7.88	
427	502.	7.61	16.21
428	503.	7.49	16.1
429	504.	7.35	16.06
430	505.	7.23	16.24
431	506.		16.19
432	507.	7.13	
433	508.		16.18
434	509.	7.04	16.15
435	510.	6.72	16.12
436	511.	7.07	16.
437	512.	7.19	16.03
438	513.	7.02	15.99
439	514.	6.75	15.98
440	515.	6.48	15.96
441	516.	6.62	15.97
442	517.	6.73	
443	518.	6.68	16.26
444	519.	6.66	16.66
445	520.	6.68	16.47
446	521.	6.63	16.35
447	522.	6.61	16.41
448	523.	6.58	16.51
449	524.	6.64	16.32
450	525.	6.72	16.1
451	526.	6.68	16.2
452	527.	6.67	16.19

453	528.	6.69	
454	529.	6.68	16.24
455	530.		16.35
456	531.	6.75	16.44
457	532.	6.74	16.62
458	533.	6.79	16.8
459	534.	6.73	16.88
460	535.	6.66	17.03
461	536.	6.65	17.05
462	537.	6.74	17.17
463	538.	6.78	17.29
464	539.	6.72	17.32
465	540.	6.78	17.28
466	541.	6.68	17.14
467	542.	6.64	17.24
468	543.	6.55	17.32
469	544.	6.46	17.36
470	545.	6.31	17.37
471	546.	6.27	17.24
472	547.	6.35	16.67
473	548.	6.33	17.07
474	549.	6.34	17.42
475	550.	6.43	17.46
476	551.	6.49	17.4
477	552.	6.54	17.48
478	553.	6.38	17.53
479	554.	6.35	17.39
480	555.	6.37	17.37
481	560.	5.	16.85
482	565.		
483	570.		
484	575.		
485	580.		
486	585.		
487	590.		
488	595.		
489	600.		
490	700.		
491	800.		
492	900.		
493	1000.		
494	1200.		
495	1400.		
496	1600.		
497	1800.		
498	2000.		
499	2200.		
500	2400.		
501	2600.		
502	2800.		
503	3000.		
504	3200.		
505	3400.		
506	3600.		
507	3800.		
508	4000.		
509	4200.		
510	4400.		
511	4600.		
512	4800.		

513	5000.
514	5200.
515	5400.
516	5600.
517	5800.
518	6000.
519	6200.
520	6400.
521	6600.
522	6800.
523	7000.
524	7200.

FIGURE 9
Model (M4) > Transient Thermal (M5) > Heat Flux

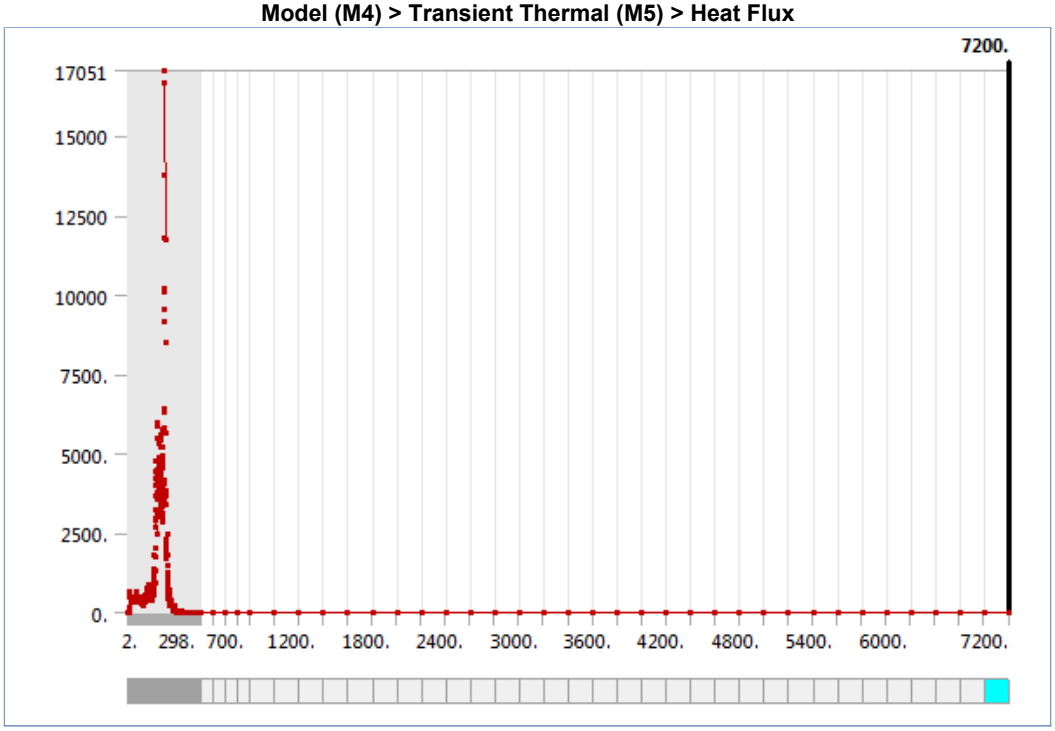


TABLE 19
Model (M4) > Transient Thermal (M5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	0.3
5	10.	
6	12.	35.
7	14.	167.4
8	16.	583.6
9	18.	519.
10	20.	633.2
11	22.	452.1
12	24.	465.5
13	26.	350.1
14	28.	520.8
15	30.	411.
16	32.	418.6
17	34.	319.8

18	36.	354.7
19	38.	367.9
20	40.	336.3
21	42.	477.5
22	44.	445.4
23	46.	375.7
24	48.	365.6
25	50.	454.7
26	52.	464.8
27	54.	377.2
28	56.	356.8
29	58.	439.5
30	60.	442.7
31	62.	385.7
32	64.	465.7
33	66.	638.1
34	68.	479.1
35	70.	551.
36	72.	484.6
37	74.	568.3
38	76.	560.2
39	78.	449.8
40	80.	493.3
41	82.	447.9
42	84.	356.8
43	86.	359.
44	88.	415.3
45	90.	348.8
46	92.	325.3
47	94.	394.3
48	96.	357.6
49	98.	356.2
50	100.	335.4
51	102.	325.2
52	104.	315.9
53	106.	321.3
54	108.	358.
55	110.	429.9
56	112.	428.9
57	114.	305.8
58	116.	292.2
59	118.	376.2
60	120.	380.8
61	122.	367.6
62	124.	310.
63	126.	316.9
64	128.	479.4
65	130.	344.7
66	132.	334.3
67	134.	228.5
68	136.	375.4
69	138.	498.2
70	140.	341.6
71	142.	521.4
72	144.	405.
73	146.	470.8
74	148.	437.8
75	150.	454.4
76	151.	484.3
77	152.	653.7
78		

	153.	525.3
79	154.	377.2
80	155.	570.8
81	156.	683.6
82	157.	539.9
83	158.	521.8
84	159.	526.
85	160.	597.7
86	161.	755.5
87	162.	511.2
88	163.	514.6
89	164.	547.2
90	165.	775.7
91	166.	779.7
92	167.	553.1
93	168.	554.7
94	169.	409.4
95	170.	835.
96	171.	883.
97	172.	596.1
98	173.	664.6
99	174.	640.7
100	175.	724.2
101	176.	636.3
102	177.	867.
103	178.	650.5
104	179.	816.3
105	180.	426.2
106	181.	521.7
107	182.	614.7
108	183.	606.6
109	184.	776.2
110	185.	552.7
111	186.	619.4
112	187.	385.7
113	188.	406.5
114	189.	389.
115	190.	582.4
116	191.	617.8
117	192.	430.4
118	193.	413.9
119	194.	414.7
120	195.	704.4
121	196.	432.8
122	197.	409.
123	198.	529.
124	199.	469.9
125	200.	556.
126	201.	584.9
127	202.	366.
128	203.	577.8
129	204.	430.2
130	205.	406.7
131	206.	609.5
132	207.	616.6
133	208.	616.
134	209.	613.6
135	210.	768.9
136	211.	1338.9
137	212.	803.8
138		

	213.	564.5
139	214.	1782.
140	215.	1176.7
141	216.	970.5
142	217.	1346.9
143	218.	1009.7
144	219.	893.2
145	220.	1243.
146	221.	932.3
147	222.	1293.6
148	223.	1754.3
149	224.	2013.6
150	225.	2926.9
151	226.	2685.8
152	227.	3211.4
153	228.	3997.6
154	229.	3661.9
155	230.	4791.6
156	231.	4420.5
157	232.	4200.
158	233.	3656.6
159	234.	2978.5
160	235.	2489.4
161	236.	3128.1
162	237.	3700.3
163	238.	3558.6
164	239.	3800.5
165	240.	4374.5
166	241.	4422.7
167	242.	4060.7
168	243.	5996.2
169	244.	4072.2
170	245.	4373.
171	246.	5477.5
172	247.	4522.1
173	248.	5887.5
174	249.	4088.6
175	250.	3933.2
176	251.	3888.6
177	252.	4213.9
178	253.	3233.1
179	254.	3873.2
180	255.	3837.7
181	256.	4022.4
182	257.	5325.4
183	258.	4869.2
184	259.	4668.4
185	260.	5418.3
186	261.	3897.3
187	262.	4408.
188	263.	4476.1
189	264.	4180.2
190	265.	4637.1
191	266.	3333.4
192	267.	4457.9
193	268.	4351.3
194	269.	4782.3
195	270.	5216.6
196	271.	5617.5
197	272.	5451.6
198		

	273.	5227.1
199	274.	3790.2
200	275.	3516.4
201	276.	3190.1
202	277.	3038.
203	278.	2848.9
204	279.	2967.9
205	280.	3108.8
206	281.	3348.4
207	282.	3634.9
208	283.	3992.1
209	284.	4124.4
210	285.	4664.6
211	286.	4764.2
212	287.	5760.6
213	288.	5191.
214	289.	4914.8
215	290.	4568.6
216	291.	4015.2
217	292.	3486.2
218	293.	4078.8
219	294.	4167.7
220	295.	5790.7
221	296.	13771
222	297.	9538.6
223	298.	6280.1
224	299.	10177
225	300.	10107
226	301.	9178.7
227	302.	6423.9
228	303.	11799
229	304.	17051
230	305.	16640
231	306.	11740
232	307.	8524.4
233	308.	5654.2
234	309.	3411.3
235	310.	3690.7
236	311.	2257.4
237	312.	1721.5
238	313.	2138.2
239	314.	1950.5
240	315.	1903.7
241	316.	2021.4
242	317.	5621.8
243	318.	3847.8
244	319.	1880.1
245	320.	2300.
246	321.	2441.8
247	322.	1798.1
248	323.	1496.6
249	324.	1126.
250	325.	874.3
251	326.	551.9
252	327.	795.1
253	328.	1022.
254	329.	1261.9
255	330.	549.1
256	331.	461.3
257	332.	485.5
258		

	333.	740.9
259	334.	594.5
260	335.	687.8
261	336.	357.7
262	337.	573.7
263	338.	657.1
264	339.	429.5
265	340.	408.2
266	341.	353.2
267	342.	581.4
268	343.	341.8
269	344.	419.4
270	345.	414.3
271	346.	375.1
272	347.	214.7
273	348.	282.8
274	349.	396.
275	350.	311.3
276	351.	336.5
277	352.	343.9
278	353.	368.1
279	354.	368.4
280	355.	341.7
281	356.	385.2
282	357.	379.1
283	358.	272.1
284	359.	294.7
285	360.	251.2
286	361.	246.2
287	362.	230.3
288	363.	184.7
289	364.	221.8
290	365.	177.3
291	366.	147.9
292	367.	203.4
293	368.	115.2
294	369.	139.4
295	370.	98.4
296	371.	144.8
297	372.	154.7
298	373.	130.5
299	374.	145.4
300	375.	150.6
301	376.	122.4
302	377.	80.6
303	378.	119.
304	379.	78.4
305	380.	116.5
306	381.	116.1
307	382.	115.8
308	383.	187.2
309	384.	93.1
310	385.	195.1
311	386.	119.8
312	387.	109.2
313	388.	71.8
314	389.	142.2
315	390.	108.5
316	391.	69.
317	392.	70.5
318		

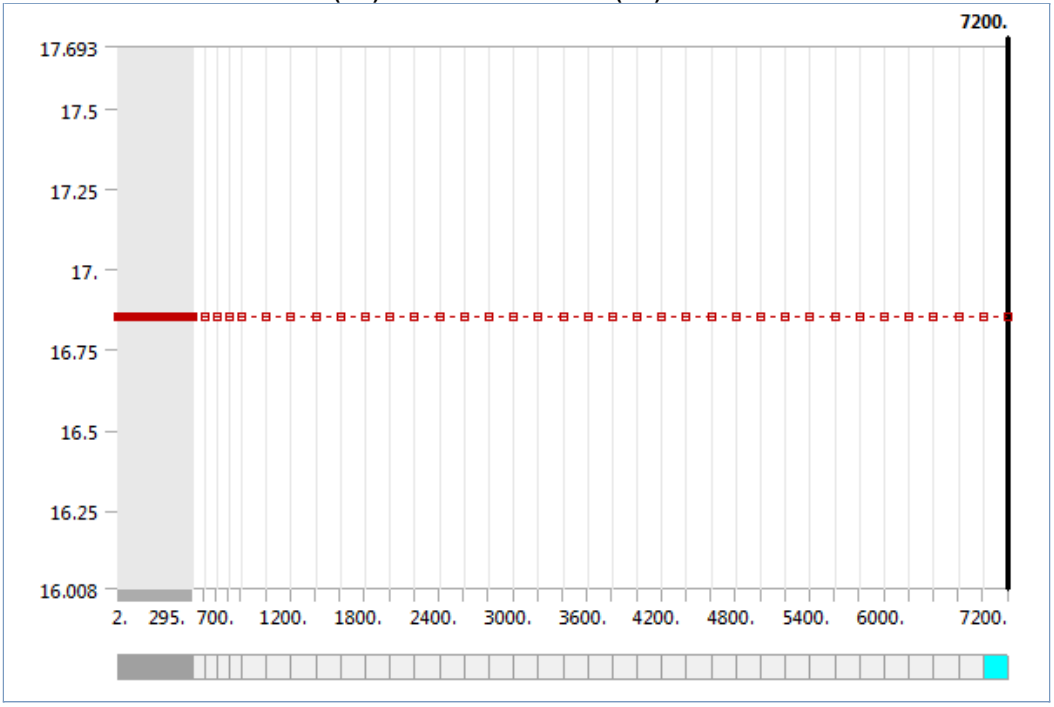
	393.	39.3
319	394.	75.3
320	395.	62.1
321	396.	65.5
322	397.	34.9
323	398.	55.9
324	399.	34.1
325	400.	59.9
326	401.	60.7
327	402.	59.4
328	403.	58.2
329	404.	28.6
330	405.	27.1
331	406.	28.3
332	407.	52.8
333	408.	51.6
334	409.	72.3
335	410.	27.6
336	411.	48.
337	412.	47.2
338	413.	46.4
339	414.	43.7
340	415.	42.7
341	416.	23.5
342	417.	22.3
343	418.	42.
344	419.	38.5
345	420.	42.1
346	421.	38.3
347	422.	20.4
348	423.	20.7
349	424.	36.2
350	425.	33.5
351	426.	36.5
352	427.	51.9
353	428.	34.
354	429.	30.4
355	430.	17.2
356	431.	16.7
357	432.	31.
358	433.	34.2
359	434.	33.1
360	435.	16.8
361	436.	16.6
362	437.	18.5
363	438.	33.
364	439.	0.3
365	440.	17.4
366	441.	0.3
367	442.	17.
368	443.	19.4
369	444.	17.2
370	445.	16.6
371	446.	16.4
372	447.	15.
373	448.	0.3
374	449.	13.4
375	450.	15.1
376	451.	12.4
377	452.	13.5
378		

	453.	13.
379	454.	9.7
380	455.	10.3
381	456.	10.9
382	457.	9.5
383	458.	9.3
384	459.	9.2
385	460.	9.8
386	461.	7.5
387	462.	7.9
388	463.	8.6
389	464.	7.5
390	465.	7.4
391	466.	6.6
392	467.	8.
393	468.	6.5
394	469.	6.3
395	470.	0.3
396	471.	6.7
397	472.	5.5
398	473.	5.7
399	474.	6.
400	475.	5.2
401	476.	4.6
402	477.	4.9
403	478.	4.7
404	479.	5.
405	480.	4.5
406	481.	4.3
407	482.	3.6
408	483.	4.1
409	484.	4.2
410	485.	4.1
411	486.	3.6
412	487.	3.2
413	488.	6.7
414	489.	3.4
415	490.	
416	491.	3.1
417	492.	2.9
418	493.	3.3
419	494.	5.2
420	495.	2.6
421	496.	5.3
422	497.	2.2
423	498.	2.5
424	499.	4.8
425	500.	2.2
426	501.	2.4
427	502.	2.7
428	503.	4.4
429	504.	4.
430	505.	2.3
431	506.	2.1
432	507.	4.1
433	508.	2.6
434	509.	4.1
435	510.	3.4
436	511.	3.7
437	512.	2.1

438	513.	3.1
439	514.	1.9
440	515.	3.
441	516.	3.6
442	517.	3.8
443	518.	3.3
444	519.	1.9
445	520.	3.4
446	521.	1.6
447	522.	3.1
448	523.	
449	524.	3.4
450	525.	3.1
451	526.	
452	527.	2.8
453	528.	3.
454	529.	1.6
455	530.	3.1
456	531.	2.7
457	532.	2.8
458	533.	2.6
459	534.	
460	535.	2.
461	536.	2.5
462	537.	2.6
463	538.	2.3
464	539.	2.5
465	540.	2.9
466	541.	2.4
467	542.	2.6
468	543.	3.4
469	544.	2.5
470	545.	2.2
471	546.	1.9
472	547.	2.5
473	548.	2.3
474	549.	3.
475	550.	2.4
476	551.	
477	552.	3.
478	553.	2.7
479	554.	2.1
480	555.	3.1
481	560.	
482	565.	
483	570.	
484	575.	
485	580.	
486	585.	
487	590.	
488	595.	
489	600.	
490	700.	
491	800.	
492	900.	
493	1000.	
494	1200.	
495	1400.	
496	1600.	
497	1800.	

498	2000.	
499	2200.	
500	2400.	
501	2600.	
502	2800.	
503	3000.	
504	3200.	
505	3400.	
506	3600.	
507	3800.	
508	4000.	
509	4200.	
510	4400.	
511	4600.	0.
512	4800.	
513	5000.	
514	5200.	
515	5400.	
516	5600.	
517	5800.	
518	6000.	
519	6200.	
520	6400.	
521	6600.	
522	6800.	
523	7000.	
524	7200.	

FIGURE 10
Model (M4) > Transient Thermal (M5) > Radiation



Solution (M6)

TABLE 20
Model (M4) > Transient Thermal (M5) > Solution

Object Name	*Solution (M6)*
State	Solved

Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	33 m 26 s
MAPDL Memory Used	2.5566 GB
MAPDL Result File Size	9.4177 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 21
Model (M4) > Transient Thermal (M5) > Solution (M6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 22
Model (M4) > Transient Thermal (M5) > Solution (M6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	23.937 °C	16.85 °C
Maximum	72.045 °C	16.85 °C

FIGURE 11
Model (M4) > Transient Thermal (M5) > Solution (M6) > Solution Information > Temperature - Global Maximum

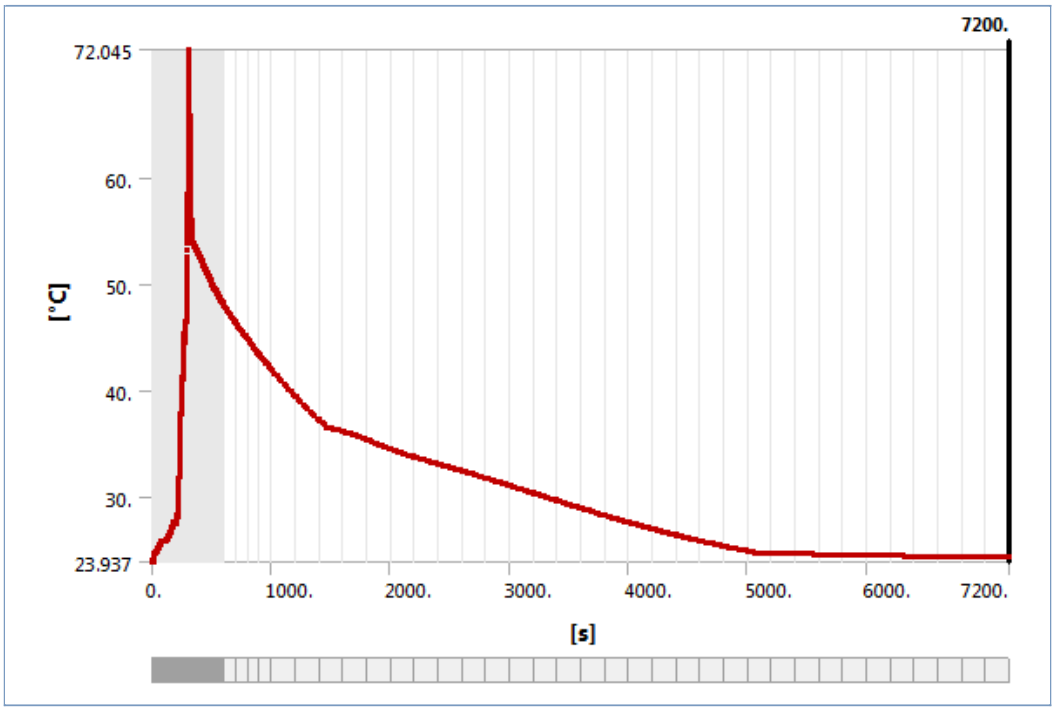


FIGURE 12
Model (M4) > Transient Thermal (M5) > Solution (M6) > Solution Information > Temperature - Global Minimum

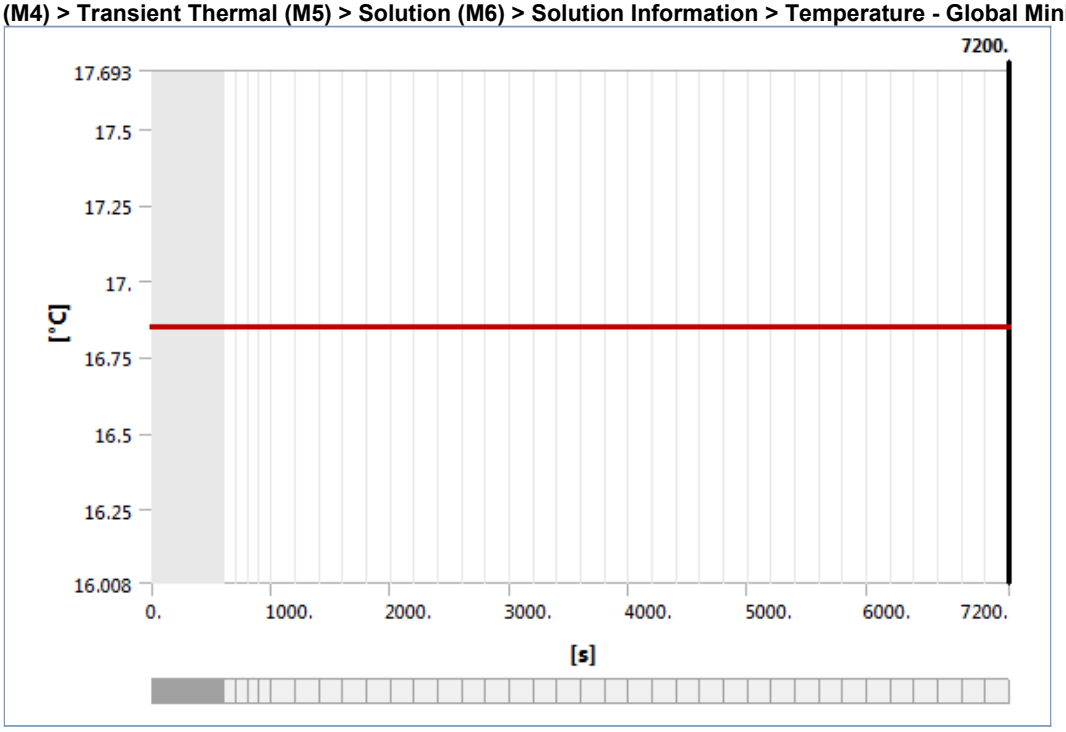


TABLE 23
Model (M4) > Transient Thermal (M5) > Solution (M6) > Results

Object Name	*Overall T*	*Drum Content T*	*Permacon T*	*Drum T*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	4 Faces	6 Faces
Definition				
Type	Temperature			
By	Time			

Display Time	Last			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	18.108 °C	23.108 °C	18.108 °C	19.767 °C
Maximum	24.37 °C		22.178 °C	24.02 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	18.108 °C	23.108 °C	18.108 °C	19.767 °C
Maximum	22.25 °C	23.891 °C	23.587 °C	24.083 °C
Maximum Value Over Time				
Minimum	23.937 °C	23.89 °C	22.177 °C	23.89 °C
Maximum	72.045 °C	27.602 °C	72.045 °C	36.899 °C
Information				
Time	7200. s			
Load Step	524			
Substep	13			
Iteration Number	6820			

FIGURE 13
Model (M4) > Transient Thermal (M5) > Solution (M6) > Overall T

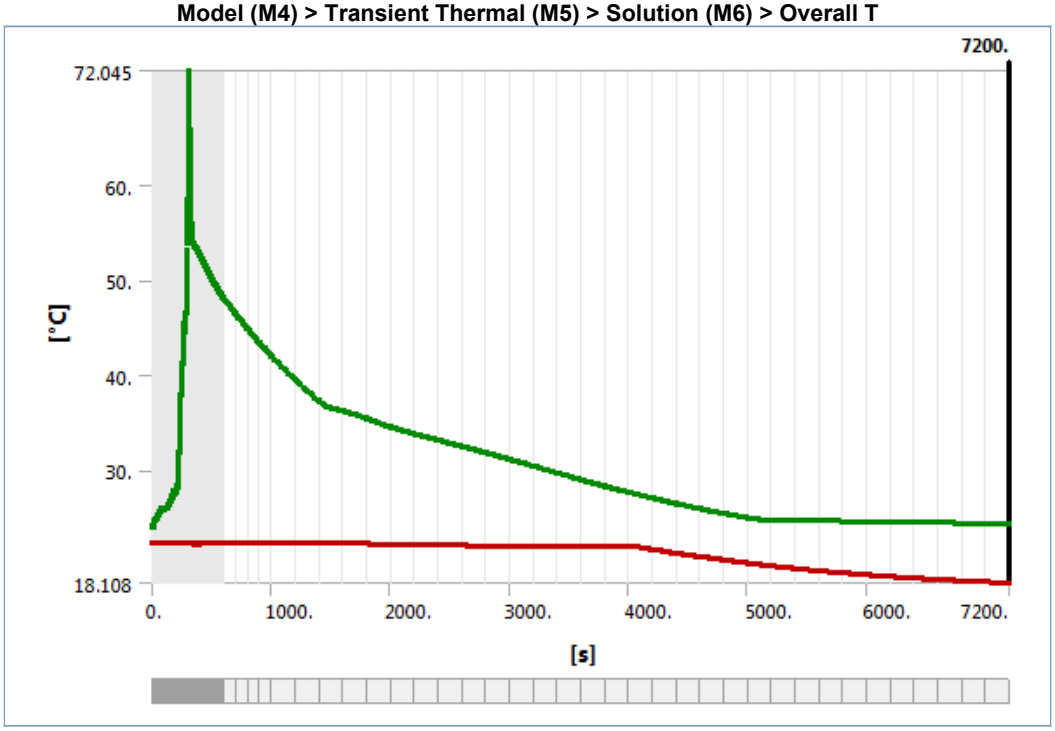


TABLE 24
Model (M4) > Transient Thermal (M5) > Solution (M6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		24.129
4.e-002		
0.1		24.126
0.28		24.12
0.48		24.113
0.68		24.106
0.88		24.099
1.08		24.092
1.28		24.085
1.48		24.079

1.68	24.072
1.88	24.065
2.	24.061
2.02	24.06
2.04	
2.1	24.058
2.28	24.052
2.48	24.045
2.68	24.039
2.88	24.033
3.08	24.026
3.28	24.02
3.48	24.014
3.68	24.008
3.88	24.002
4.	23.999
4.02	23.998
4.04	
4.1	23.996
4.28	23.991
4.48	23.985
4.68	23.979
4.88	23.974
5.08	23.968
5.28	23.963
5.48	23.958
5.68	23.954
5.88	
6.	
6.02	
6.04	
6.1	
6.28	
6.48	23.953
6.68	
6.88	
7.08	
7.28	
7.48	23.952
7.68	
7.88	
8.	
8.02	
8.04	
8.1	23.951
8.28	
8.48	
8.68	23.95
8.88	
9.08	
9.28	23.949
9.48	
9.68	23.948
9.88	
10.	
10.02	
10.04	
10.1	23.947
10.28	
10.48	

10.68	23.946
10.88	
11.08	23.945
11.28	
11.48	23.944
11.68	
11.88	23.943
12.	
12.02	
12.04	
12.1	23.942
12.28	
12.48	23.941
12.68	
12.88	23.94
13.08	
13.28	23.939
13.48	
13.68	23.938
13.88	
14.	
14.02	23.937
14.04	
14.1	
14.28	
14.48	23.949
14.68	23.979
14.88	24.011
15.08	24.046
15.28	24.083
15.48	24.123
15.68	24.167
15.88	24.214
16.	24.243
16.02	24.247
16.04	24.252
16.1	24.263
16.28	24.293
16.48	24.322
16.68	24.347
16.88	24.37
17.08	24.391
17.28	24.41
17.48	24.427
17.68	24.443
17.88	24.458
18.	24.466
18.02	24.468
18.04	24.469
18.1	24.475
18.28	24.492
18.48	24.512
18.68	24.533
18.88	24.555
19.08	24.578
19.28	24.601
19.48	24.625
19.68	24.649
19.88	24.673
20.	24.688

20.02	24.69
20.04	24.692
20.1	24.698
20.28	24.711
20.48	24.722
20.68	24.73
20.88	24.736
21.08	24.741
21.28	24.743
21.48	24.744
21.68	24.743
21.88	24.741
22.	24.74
22.02	24.739
22.04	
22.1	
22.28	24.741
22.48	24.745
22.68	24.749
22.88	24.754
23.08	24.76
23.28	24.766
23.48	24.772
23.68	24.778
23.88	24.784
24.	24.788
24.02	24.789
24.04	
24.1	24.791
24.28	24.793
24.48	
24.68	
24.88	24.792
25.08	24.789
25.28	24.786
25.48	24.782
25.68	24.777
25.88	24.772
26.	24.769
26.02	24.768
26.04	
26.1	
26.28	24.772
26.48	24.778
26.68	24.788
26.88	24.799
27.08	24.812
27.28	24.826
27.48	24.842
27.68	24.858
27.88	24.876
28.	24.887
28.02	24.889
28.04	24.891
28.1	24.895
28.28	24.904
28.48	24.911
28.68	24.916
28.88	24.92
29.08	24.922

29.28	24.924
29.48	
29.68	24.923
29.88	24.921
30.	24.92
30.02	
30.04	
30.1	
30.28	24.921
30.48	24.922
30.68	24.925
30.88	24.927
31.08	24.93
31.28	24.934
31.48	24.937
31.68	24.941
31.88	24.944
32.	24.947
32.02	
32.04	
32.1	24.948
32.28	
32.48	24.947
32.68	24.945
32.88	24.942
33.08	24.938
33.28	24.934
33.48	24.929
33.68	24.923
33.88	24.917
34.	24.913
34.02	
34.04	24.912
34.1	24.911
34.28	24.909
34.48	24.908
34.68	
34.88	24.909
35.08	24.91
35.28	24.912
35.48	24.914
35.68	24.916
35.88	24.919
36.	24.921
36.02	
36.04	
36.1	24.922
36.28	24.925
36.48	24.928
36.68	24.931
36.88	24.934
37.08	24.937
37.28	24.94
37.48	24.943
37.68	24.946
37.88	24.95
38.	24.952
38.02	
38.04	
38.1	24.953

38.28	24.955
38.48	24.956
38.68	24.957
38.88	24.958
39.08	24.959
39.28	
39.48	
39.68	
39.88	
40.	
40.02	
40.04	
40.1	24.96
40.28	24.965
40.48	24.972
40.68	24.981
40.88	24.992
41.08	25.003
41.28	25.016
41.48	25.029
41.68	25.043
41.88	25.059
42.	25.068
42.02	25.069
42.04	25.071
42.1	25.075
42.28	25.084
42.48	25.093
42.68	25.101
42.88	25.108
43.08	25.114
43.28	25.12
43.48	25.125
43.68	25.13
43.88	25.135
44.	25.137
44.02	25.138
44.04	
44.1	25.139
44.28	25.141
44.48	25.142
44.68	25.143
44.88	
45.08	
45.28	25.142
45.48	25.141
45.68	25.139
45.88	25.137
46.	25.136
46.02	25.135
46.04	
46.1	
46.28	25.134
46.48	
46.68	25.133
46.88	
47.08	25.134
47.28	
47.48	
47.68	

47.88	25.135
48.	
48.02	25.136
48.04	
48.1	
48.28	25.14
48.48	25.145
48.68	25.152
48.88	25.159
49.08	25.167
49.28	25.176
49.48	25.185
49.68	25.195
49.88	25.206
50.	25.212
50.02	25.213
50.04	25.214
50.1	25.217
50.28	25.225
50.48	25.233
50.68	25.24
50.88	25.248
51.08	25.255
51.28	25.262
51.48	25.269
51.68	25.276
51.88	25.282
52.	25.286
52.02	25.287
52.04	
52.1	25.289
52.28	25.292
52.48	25.293
52.68	25.294
52.88	
53.08	25.293
53.28	25.291
53.48	25.289
53.68	25.286
53.88	25.283
54.	25.281
54.02	25.28
54.04	
54.1	25.279
54.28	25.277
54.48	25.276
54.68	25.274
54.88	25.273
55.08	
55.28	25.272
55.48	
55.68	25.271
55.88	25.27
56.	
56.02	
56.04	
56.1	25.271
56.28	25.273
56.48	25.277
56.68	25.282

56.88	25.288
57.08	25.294
57.28	25.301
57.48	25.308
57.68	25.316
57.88	25.325
58.	25.33
58.02	25.331
58.04	25.332
58.1	25.334
58.28	25.34
58.48	25.347
58.68	25.353
58.88	25.359
59.08	25.365
59.28	25.37
59.48	25.376
59.68	25.381
59.88	25.386
60.	25.389
60.02	
60.04	25.39
60.1	25.391
60.28	25.394
60.48	25.396
60.68	25.397
60.88	25.398
61.08	
61.28	
61.48	25.397
61.68	25.396
61.88	25.395
62.	25.394
62.02	
62.04	
62.1	25.395
62.28	25.397
62.48	25.402
62.68	25.407
62.88	25.413
63.08	25.42
63.28	25.427
63.48	25.435
63.68	25.444
63.88	25.454
64.	25.46
64.02	25.461
64.04	25.462
64.1	25.465
64.28	25.478
64.48	25.493
64.68	25.509
64.88	25.527
65.08	25.546
65.28	25.566
65.48	25.587
65.68	25.608
65.88	25.631
66.	25.644
66.02	25.647

66.04	25.649
66.1	25.654
66.28	25.664
66.48	25.673
66.68	25.679
66.88	25.682
67.08	25.684
67.28	
67.48	25.683
67.68	25.68
67.88	25.677
68.	25.674
68.02	25.673
68.04	
68.1	
68.28	25.675
68.48	25.679
68.68	25.684
68.88	25.691
69.08	25.698
69.28	25.706
69.48	25.715
69.68	25.725
69.88	25.734
70.	25.741
70.02	
70.04	25.742
70.1	25.745
70.28	25.75
70.48	25.754
70.68	25.758
70.88	25.761
71.08	25.763
71.28	25.764
71.48	25.765
71.68	
71.88	
72.	
72.02	
72.04	
72.1	25.766
72.28	25.769
72.48	25.775
72.68	25.782
72.88	25.79
73.08	25.799
73.28	25.809
73.48	25.819
73.68	25.829
73.88	25.841
74.	25.847
74.02	25.849
74.04	25.85
74.1	25.853
74.28	25.861
74.48	25.869
74.68	25.876
74.88	25.884
75.08	25.89
75.28	25.897

75.48	25.903
75.68	25.91
75.88	25.916
76.	25.919
76.02	25.92
76.04	
76.1	25.921
76.28	25.923
76.48	25.924
76.68	25.923
76.88	25.922
77.08	25.919
77.28	25.916
77.48	25.912
77.68	25.907
77.88	25.902
78.	25.898
78.02	
78.04	25.897
78.1	
78.28	25.896
78.48	
78.68	25.897
78.88	25.9
79.08	25.903
79.28	25.906
79.48	25.91
79.68	25.915
79.88	25.919
80.	25.922
80.02	25.923
80.04	
80.1	25.924
80.28	25.927
80.48	25.928
80.68	25.929
80.88	25.93
81.08	
81.28	
81.48	25.929
81.68	25.928
81.88	25.927
82.	25.926
82.02	
82.04	
82.1	25.925
82.28	25.922
82.48	25.918
82.68	25.914
82.88	25.908
83.08	25.902
83.28	25.896
83.48	25.89
83.68	25.884
83.88	25.877
84.	25.873
84.02	
84.04	25.872
84.1	25.87
84.28	25.866

84.48	25.863
84.68	25.86
84.88	25.857
85.08	25.855
85.28	25.852
85.48	25.851
85.68	25.849
85.88	25.847
86.	
86.02	25.846
86.04	
86.1	
86.28	25.847
86.48	25.848
86.68	25.85
86.88	25.853
87.08	25.856
87.28	25.859
87.48	25.863
87.68	25.867
87.88	25.872
88.	25.875
88.02	
88.04	
88.1	25.876
88.28	25.877
88.48	
88.68	25.876
88.88	25.875
89.08	25.873
89.28	25.87
89.48	25.867
89.68	25.864
89.88	25.86
90.	25.858
90.02	
90.04	25.857
90.1	25.856
90.28	25.854
90.48	25.851
90.68	25.848
90.88	25.845
91.08	25.843
91.28	25.84
91.48	25.838
91.68	25.835
91.88	25.832
92.	25.831
92.02	25.83
92.04	
92.1	
92.28	
92.48	25.832
92.68	25.834
92.88	25.837
93.08	25.84
93.28	25.844
93.48	25.849
93.68	25.854
93.88	25.859

94.	25.862
94.02	25.863
94.04	
94.1	25.865
94.28	25.867
94.48	25.869
94.68	25.87
94.88	25.871
95.08	
95.28	
95.48	
95.68	25.87
95.88	
96.	25.869
96.02	
96.04	
96.1	
96.28	
96.48	
96.68	
96.88	
97.08	25.87
97.28	
97.48	25.871
97.68	
97.88	25.872
98.	
98.02	
98.04	
98.1	
98.28	
98.48	
98.68	
98.88	
99.08	25.871
99.28	25.87
99.48	
99.68	25.869
99.88	25.868
100.	
100.02	25.867
100.04	
100.1	
100.28	
100.48	25.866
100.68	
100.88	25.865
101.08	
101.28	25.864
101.48	
101.68	25.863
101.88	
102.	
102.02	
102.04	
102.1	
102.28	25.862
102.48	
102.68	
102.88	

103.08	25.861
103.28	
103.48	
103.68	
103.88	25.86
104.	
104.02	
104.04	
104.1	
104.28	25.861
104.48	
104.68	25.862
104.88	25.863
105.08	25.864
105.28	25.865
105.48	25.866
105.68	25.867
105.88	25.868
106.	25.869
106.02	
106.04	25.87
106.1	
106.28	25.872
106.48	25.875
106.68	25.879
106.88	25.882
107.08	25.886
107.28	25.89
107.48	25.895
107.68	25.899
107.88	25.904
108.	25.907
108.02	25.908
108.04	
108.1	25.91
108.28	25.916
108.48	25.923
108.68	25.93
108.88	25.938
109.08	25.947
109.28	25.955
109.48	25.964
109.68	25.974
109.88	25.983
110.	25.989
110.02	25.99
110.04	25.991
110.1	25.994
110.28	26.001
110.48	26.008
110.68	26.014
110.88	26.021
111.08	26.027
111.28	26.032
111.48	26.038
111.68	26.043
111.88	26.048
112.	26.051
112.02	
112.04	26.052

112.1	
112.28	26.053
112.48	26.052
112.68	26.049
112.88	26.045
113.08	26.041
113.28	26.035
113.48	26.028
113.68	26.021
113.88	26.013
114.	26.008
114.02	26.007
114.04	
114.1	26.005
114.28	26.
114.48	25.995
114.68	25.991
114.88	25.987
115.08	25.984
115.28	25.98
115.48	25.977
115.68	25.974
115.88	25.972
116.	25.97
116.02	
116.04	
116.1	25.969
116.28	25.97
116.48	25.973
116.68	25.976
116.88	25.98
117.08	25.986
117.28	25.991
117.48	25.998
117.68	26.005
117.88	26.013
118.	26.018
118.02	
118.04	26.019
118.1	26.021
118.28	26.026
118.48	26.031
118.68	26.036
118.88	26.041
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119.28	26.049
119.48	26.053
119.68	26.057
119.88	26.061
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120.02	
120.04	26.064
120.1	26.065
120.28	26.068
120.48	26.07
120.68	26.073
120.88	26.075
121.08	26.078
121.28	26.08
121.48	26.082

121.68	26.084
121.88	26.085
122.	26.086
122.02	
122.04	26.087
122.1	
122.28	
122.48	
122.68	
122.88	26.086
123.08	26.085
123.28	26.084
123.48	26.082
123.68	26.08
123.88	26.078
124.	26.077
124.02	
124.04	26.076
124.1	
124.28	26.075
124.48	
124.68	
124.88	
125.08	26.076
125.28	
125.48	26.077
125.68	26.078
125.88	26.079
126.	
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126.04	
126.1	26.081
126.28	26.087
126.48	26.096
126.68	26.107
126.88	26.118
127.08	26.132
127.28	26.146
127.48	26.161
127.68	26.178
127.88	26.195
128.	26.206
128.02	26.207
128.04	26.209
128.1	26.212
128.28	26.22
128.48	26.225
128.68	26.228
128.88	26.229
129.08	
129.28	26.227
129.48	26.224
129.68	26.22
129.88	26.215
130.	26.212
130.02	26.211
130.04	
130.1	26.209
130.28	26.207
130.48	26.205

130.68	26.204
130.88	26.203
131.08	26.202
131.28	26.201
131.48	
131.68	26.2
131.88	
132.	
132.02	
132.04	
132.1	26.199
132.28	26.196
132.48	26.191
132.68	26.185
132.88	26.178
133.08	26.171
133.28	26.163
133.48	26.154
133.68	26.145
133.88	26.135
134.	26.129
134.02	26.128
134.04	
134.1	26.126
134.28	26.125
134.48	26.126
134.68	26.129
134.88	26.134
135.08	26.141
135.28	26.149
135.48	26.158
135.68	26.168
135.88	26.18
136.	26.187
136.02	26.188
136.04	26.189
136.1	26.193
136.28	26.204
136.48	26.217
136.68	26.23
136.88	26.244
137.08	26.259
137.28	26.274
137.48	26.29
137.68	26.306
137.88	26.323
138.	26.333
138.02	26.334
138.04	26.336
138.1	26.339
138.28	26.346
138.48	26.35
138.68	26.352
138.88	26.353
139.08	26.351
139.28	26.348
139.48	26.343
139.68	26.337
139.88	26.33
140.	26.326

140.02	26.325
140.04	
140.1	26.324
140.28	26.327
140.48	26.332
140.68	26.341
140.88	26.351
141.08	26.362
141.28	26.376
141.48	26.39
141.68	26.406
141.88	26.422
142.	26.433
142.02	26.434
142.04	26.436
142.1	26.439
142.28	26.447
142.48	26.453
142.68	26.456
142.88	26.458
143.08	26.459
143.28	26.458
143.48	26.456
143.68	26.454
143.88	26.45
144.	26.448
144.02	26.447
144.04	
144.1	
144.28	26.448
144.48	26.451
144.68	26.455
144.88	26.46
145.08	26.465
145.28	26.472
145.48	26.478
145.68	26.486
145.88	26.494
146.	26.498
146.02	26.499
146.04	26.5
146.1	26.502
146.28	26.506
146.48	26.511
146.68	26.514
146.88	26.517
147.08	26.52
147.28	26.522
147.48	26.524
147.68	26.526
147.88	26.527
148.	26.528
148.02	
148.04	
148.1	26.529
148.28	26.531
148.48	26.534
148.68	26.537
148.88	26.541
149.08	26.545

149.28	26.548
149.48	26.552
149.68	26.556
149.88	26.56
150.	26.563
150.01	
150.02	
150.05	26.564
150.14	26.566
150.24	26.569
150.34	26.572
150.44	26.575
150.54	26.579
150.64	26.582
150.74	26.586
150.84	26.59
150.94	26.593
151.	26.596
151.01	
151.02	26.597
151.05	26.598
151.14	26.605
151.24	26.614
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151.44	26.634
151.54	26.646
151.64	26.658
151.74	26.671
151.84	26.685
151.94	26.7
152.	26.708
152.01	26.71
152.02	26.711
152.05	26.715
152.14	26.722
152.24	26.728
152.34	26.733
152.44	26.736
152.54	26.738
152.64	26.739
152.74	
152.84	26.738
152.94	26.736
153.	26.735
153.01	
153.02	
153.05	26.734
153.14	26.731
153.24	26.727
153.34	26.722
153.44	26.716
153.54	26.71
153.64	26.703
153.74	26.696
153.84	26.688
153.94	26.68
154.	26.674
154.01	
154.02	26.673
154.05	26.671

154.14	26.67
154.24	26.672
154.34	26.676
154.44	26.681
154.54	26.688
154.64	26.696
154.74	26.705
154.84	26.716
154.94	26.727
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155.01	26.735
155.02	26.736
155.05	26.74
155.14	26.75
155.24	26.761
155.34	26.772
155.44	26.784
155.54	26.796
155.64	26.808
155.74	26.82
155.84	26.832
155.94	26.845
156.	26.853
156.01	26.854
156.02	26.855
156.05	26.858
156.14	26.865
156.24	26.87
156.34	26.873
156.44	26.875
156.54	26.876
156.64	
156.74	26.874
156.84	26.872
156.94	26.87
157.	26.868
157.01	
157.02	26.867
157.05	
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157.34	
157.44	
157.54	
157.64	
157.74	
157.84	
157.94	
158.	
158.01	
158.02	
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158.14	
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158.54	26.871
158.64	26.872
158.74	26.874
158.84	26.875

158.94	26.877
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159.02	
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159.14	26.882
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159.94	26.927
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160.01	26.932
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165.01	27.17
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165.05	27.177
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166.02	
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166.24	27.288
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166.44	27.284
166.54	27.28
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166.94	27.251
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167.01	27.245
167.02	27.244
167.05	27.242
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167.34	27.23
167.44	27.228
167.54	27.226
167.64	27.225
167.74	27.223
167.84	27.222
167.94	
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172.02	27.445
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173.02	
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177.54	27.686
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178.05	
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185.	27.704
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186.44	27.683

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187.01	27.609
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189.94	27.562
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190.05	27.574
190.14	27.582
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190.54	27.611
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190.94	27.637
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191.02	

191.05	27.643
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191.24	27.643
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192.02	27.592
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192.74	27.555
192.84	27.551
192.94	27.547
193.	27.545
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193.74	27.526
193.84	27.524
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199.74	27.623
199.84	27.628
199.94	27.634
200.	27.637
200.01	27.638
200.02	
200.05	27.64
200.14	27.644
200.24	27.649

200.34	27.654
200.44	27.659
200.54	27.663
200.64	27.668
200.74	27.673
200.84	27.677
200.94	27.682
201.	27.685
201.01	
201.02	27.686
201.05	
201.14	27.685
201.24	27.681
201.34	27.676
201.44	27.669
201.54	27.661
201.64	27.652
201.74	27.642
201.84	27.63
201.94	27.618
202.	27.611
202.01	27.609
202.02	27.608
202.05	27.606
202.14	27.603
202.24	
202.34	27.605
202.44	27.609
202.54	27.615
202.64	27.622
202.74	27.631
202.84	27.64
202.94	27.651
203.	27.658
203.01	27.659
203.02	27.66
203.05	27.662
203.14	27.666
203.24	27.667
203.34	
203.44	27.665
203.54	27.662
203.64	27.658
203.74	27.653
203.84	27.647
203.94	27.641
204.	27.637
204.01	27.636
204.02	27.635
204.05	27.633
204.14	27.629
204.24	27.624
204.34	27.62
204.44	27.616
204.54	27.613
204.64	27.609
204.74	27.605
204.84	27.602
204.94	27.598
205.	

205.01	
205.02	27.596
205.05	
205.14	27.598
205.24	27.602
205.34	27.608
205.44	27.615
205.54	27.623
205.64	27.633
205.74	27.643
205.84	27.655
205.94	27.667
206.	27.675
206.01	27.676
206.02	27.677
206.05	27.681
206.14	27.689
206.24	27.697
206.34	27.705
206.44	27.712
206.54	27.718
206.64	27.725
206.74	27.731
206.84	27.736
206.94	27.742
207.	27.745
207.01	
207.02	27.746
207.05	27.748
207.14	27.752
207.24	27.757
207.34	27.761
207.44	27.766
207.54	27.77
207.64	27.774
207.74	27.778
207.84	27.782
207.94	27.786
208.	27.789
208.01	
208.02	
208.05	27.791
208.14	27.794
208.24	27.797
208.34	27.801
208.44	27.804
208.54	27.807
208.64	27.811
208.74	27.814
208.84	27.817
208.94	27.82
209.	27.822
209.01	
209.02	27.823
209.05	27.824
209.14	27.83
209.24	27.838
209.34	27.848
209.44	27.858
209.54	27.869

209.64	27.881
209.74	27.893
209.84	27.906
209.94	27.92
210.	27.929
210.01	27.93
210.02	27.932
210.05	27.938
210.14	27.96
210.24	27.989
210.34	28.022
210.44	28.058
210.54	28.096
210.64	28.137
210.74	28.181
210.84	28.226
210.94	28.273
211.	28.302
211.01	28.307
211.02	28.311
211.05	28.322
211.14	28.344
211.24	28.359
211.34	28.369
211.44	28.373
211.54	
211.64	28.368
211.74	28.36
211.84	28.349
211.94	28.335
212.	28.326
212.01	28.324
212.02	28.323
212.05	28.319
212.14	28.308
212.24	28.296
212.34	28.284
212.44	28.271
212.54	28.258
212.64	28.245
212.74	28.231
212.84	28.217
212.94	28.202
213.	28.192
213.01	28.191
213.02	
213.05	
213.14	28.209
213.24	28.241
213.34	28.283
213.44	28.334
213.54	28.392
213.64	28.457
213.74	28.528
213.84	28.605
213.94	28.686
214.	28.737
214.01	28.745
214.02	28.753
214.05	28.772

214.14	28.814
214.24	28.848
214.34	28.874
214.44	28.892
214.54	28.903
214.64	28.91
214.74	28.911
214.84	28.909
214.94	28.902
215.	28.897
215.01	28.896
215.02	
215.05	28.894
215.14	28.891
215.24	28.888
215.34	28.885
215.44	28.882
215.54	28.878
215.64	28.874
215.74	28.869
215.84	28.864
215.94	28.858
216.	28.854
216.01	
216.02	
216.05	
216.14	28.86
216.24	28.872
216.34	28.888
216.44	28.906
216.54	28.928
216.64	28.951
216.74	28.977
216.84	29.004
216.94	29.033
217.	29.052
217.01	29.054
217.02	29.057
217.05	29.064
217.14	29.077
217.24	29.087
217.34	29.094
217.44	29.097
217.54	
217.64	29.095
217.74	29.091
217.84	29.085
217.94	29.078
218.	29.073
218.01	29.072
218.02	29.071
218.05	29.069
218.14	29.064
218.24	29.059
218.34	29.055
218.44	29.05
218.54	29.045
218.64	29.041
218.74	29.036
218.84	29.031

218.94	29.025
219.	29.022
219.01	
219.02	29.021
219.05	29.022
219.14	29.027
219.24	29.036
219.34	29.049
219.44	29.065
219.54	29.083
219.64	29.103
219.74	29.125
219.84	29.148
219.94	29.174
220.	29.189
220.01	29.192
220.02	29.194
220.05	29.2
220.14	29.21
220.24	29.217
220.34	29.221
220.44	
220.54	29.219
220.64	29.215
220.74	29.209
220.84	29.201
220.94	29.192
221.	29.186
221.01	29.185
221.02	29.184
221.05	29.183
221.14	29.187
221.24	29.196
221.34	29.208
221.44	29.223
221.54	29.241
221.64	29.261
221.74	29.284
221.84	29.308
221.94	29.333
222.	29.349
222.01	29.352
222.02	29.355
222.05	29.363
222.14	29.391
222.24	29.425
222.34	29.461
222.44	29.498
222.54	29.538
222.64	29.579
222.74	29.621
222.84	29.666
222.94	29.711
223.	29.739
223.01	29.743
223.02	29.748
223.05	29.761
223.14	29.8
223.24	29.843
223.34	29.885

223.44	29.928
223.54	29.97
223.64	30.013
223.74	30.056
223.84	30.098
223.94	30.142
224.	30.168
224.01	30.172
224.02	30.177
224.05	30.192
224.14	30.246
224.24	30.312
224.34	30.383
224.44	30.458
224.54	30.538
224.64	30.621
224.74	30.707
224.84	30.796
224.94	30.888
225.	30.944
225.01	30.953
225.02	30.962
225.05	30.986
225.14	31.048
225.24	31.109
225.34	31.164
225.44	31.214
225.54	31.26
225.64	31.303
225.74	31.342
225.84	31.379
225.94	31.413
226.	31.432
226.01	31.435
226.02	31.439
226.05	31.451
226.14	31.495
226.24	31.548
226.34	31.604
226.44	31.664
226.54	31.726
226.64	31.79
226.74	31.857
226.84	31.925
226.94	31.994
227.	32.036
227.01	32.044
227.02	32.051
227.05	32.073
227.14	32.145
227.24	32.228
227.34	32.314
227.44	32.403
227.54	32.495
227.64	32.589
227.74	32.686
227.84	32.784
227.94	32.885
228.	32.947
228.01	32.956
228.02	

	32.966
228.05	32.992
228.14	33.062
228.24	33.13
228.34	33.192
228.44	33.249
228.54	33.301
228.64	33.349
228.74	33.393
228.84	33.434
228.94	33.472
229.	33.494
229.01	33.498
229.02	33.503
229.05	33.519
229.14	33.581
229.24	33.66
229.34	33.749
229.44	33.844
229.54	33.945
229.64	34.051
229.74	34.163
229.84	34.278
229.94	34.398
230.	34.471
230.01	34.483
230.02	34.494
230.05	34.526
230.14	34.608
230.24	34.688
230.34	34.761
230.44	34.827
230.54	34.889
230.64	34.945
230.74	34.998
230.84	35.047
230.94	35.093
231.	35.12
231.01	35.124
231.02	35.128
231.05	35.142
231.14	35.181
231.24	35.224
231.34	35.265
231.44	35.304
231.54	35.343
231.64	35.38
231.74	35.415
231.84	35.45
231.94	35.483
232.	35.502
232.01	35.505
232.02	35.508
232.05	35.517
232.14	35.537
232.24	35.556
232.34	35.572
232.44	35.584
232.54	35.594
232.64	35.601
232.74	

	35.605
232.84	35.607
232.94	35.608
233.	35.607
233.01	
233.02	35.606
233.05	35.605
233.14	35.598
233.24	35.588
233.34	35.574
233.44	35.558
233.54	35.539
233.64	35.518
233.74	35.495
233.84	35.469
233.94	35.441
234.	35.424
234.01	35.421
234.02	35.418
234.05	35.41
234.14	35.386
234.24	35.359
234.34	35.332
234.44	35.304
234.54	35.276
234.64	35.247
234.74	35.217
234.84	35.186
234.94	35.155
235.	35.136
235.01	35.133
235.02	35.13
235.05	35.125
235.14	35.119
235.24	35.122
235.34	35.133
235.44	35.15
235.54	35.171
235.64	35.198
235.74	35.228
235.84	35.263
235.94	35.301
236.	35.325
236.01	35.329
236.02	35.333
236.05	35.345
236.14	35.383
236.24	35.427
236.34	35.473
236.44	35.521
236.54	35.572
236.64	35.624
236.74	35.678
236.84	35.733
236.94	35.791
237.	35.826
237.01	35.832
237.02	35.837
237.05	35.852
237.14	35.892

237.24	35.932
237.34	35.968
237.44	36.002
237.54	36.034
237.64	36.063
237.74	36.091
237.84	36.117
237.94	36.143
238.	36.157
238.01	36.16
238.02	36.162
238.05	36.171
238.14	36.2
238.24	36.235
238.34	36.272
238.44	36.31
238.54	36.349
238.64	36.39
238.74	36.432
238.84	36.474
238.94	36.518
239.	36.544
239.01	36.549
239.02	36.553
239.05	36.568
239.14	36.615
239.24	36.671
239.34	36.73
239.44	36.792
239.54	36.856
239.64	36.922
239.74	36.99
239.84	37.06
239.94	37.131
240.	37.175
240.01	37.182
240.02	37.189
240.05	37.209
240.14	37.265
240.24	37.324
240.34	37.38
240.44	37.435
240.54	37.488
240.64	37.54
240.74	37.59
240.84	37.64
240.94	37.689
241.	37.718
241.01	37.723
241.02	37.728
241.05	37.74
241.14	37.774
241.24	37.806
241.34	37.835
241.44	37.86
241.54	37.882
241.64	37.902
241.74	37.92
241.84	37.935
241.94	37.948
242.	

	37.955
242.01	37.957
242.02	37.96
242.05	37.972
242.14	38.031
242.24	38.116
242.34	38.216
242.44	38.329
242.54	38.454
242.64	38.588
242.74	38.731
242.84	38.882
242.94	39.041
243.	39.139
243.01	39.154
243.02	39.169
243.05	39.204
243.14	39.276
243.24	39.327
243.34	39.356
243.44	39.367
243.54	39.362
243.64	39.344
243.74	39.315
243.84	39.274
243.94	39.223
244.	39.189
244.01	39.184
244.02	39.179
244.05	39.169
244.14	39.155
244.24	39.152
244.34	39.157
244.44	39.169
244.54	39.185
244.64	39.205
244.74	39.229
244.84	39.256
244.94	39.286
245.	39.305
245.01	39.308
245.02	39.312
245.05	39.324
245.14	39.373
245.24	39.436
245.34	39.507
245.44	39.584
245.54	39.668
245.64	39.756
245.74	39.85
245.84	39.949
245.94	40.051
246.	40.114
246.01	40.124
246.02	40.133
246.05	40.157
246.14	40.211
246.24	40.254
246.34	40.285
246.44	40.306
246.54	

	40.319
246.64	40.325
246.74	40.324
246.84	40.317
246.94	40.305
247.	40.296
247.01	40.295
247.02	
247.05	40.298
247.14	40.331
247.24	40.384
247.34	40.451
247.44	40.529
247.54	40.616
247.64	40.711
247.74	40.813
247.84	40.922
247.94	41.037
248.	41.108
248.01	41.119
248.02	41.129
248.05	41.153
248.14	41.197
248.24	41.222
248.34	41.228
248.44	41.219
248.54	41.197
248.64	41.164
248.74	41.12
248.84	41.067
248.94	41.005
249.	40.965
249.01	40.959
249.02	40.953
249.05	40.938
249.14	40.904
249.24	40.874
249.34	40.849
249.44	40.828
249.54	40.81
249.64	40.794
249.74	40.779
249.84	40.766
249.94	40.754
250.	40.747
250.01	40.746
250.02	40.745
250.05	40.742
250.14	40.735
250.24	40.728
250.34	40.723
250.44	40.718
250.54	40.714
250.64	40.711
250.74	40.709
250.84	40.707
250.94	40.706
251.	
251.01	
251.02	

251.05	40.707
251.14	40.715
251.24	40.729
251.34	40.745
251.44	40.765
251.54	40.786
251.64	40.81
251.74	40.836
251.84	40.864
251.94	40.894
252.	40.912
252.01	40.915
252.02	40.917
252.05	40.921
252.14	40.922
252.24	40.911
252.34	40.893
252.44	40.868
252.54	40.836
252.64	40.8
252.74	40.758
252.84	40.712
252.94	40.662
253.	40.631
253.01	40.626
253.02	40.622
253.05	40.612
253.14	40.595
253.24	40.588
253.34	40.589
253.44	40.597
253.54	40.61
253.64	40.629
253.74	40.652
253.84	40.679
253.94	40.709
254.	40.729
254.01	40.732
254.02	40.735
254.05	40.743
254.14	40.763
254.24	40.781
254.34	40.798
254.44	40.814
254.54	40.828
254.64	40.842
254.74	40.855
254.84	40.868
254.94	40.881
255.	40.888
255.01	40.889
255.02	40.89
255.05	40.895
255.14	40.91
255.24	40.93
255.34	40.95
255.44	40.972
255.54	40.995
255.64	41.019
255.74	41.044
255.84	

	41.069
255.94	41.096
256.	41.112
256.01	41.115
256.02	41.118
256.05	41.131
256.14	41.181
256.24	41.248
256.34	41.323
256.44	41.406
256.54	41.496
256.64	41.593
256.74	41.695
256.84	41.802
256.94	41.914
257.	41.983
257.01	41.994
257.02	42.004
257.05	42.033
257.14	42.103
257.24	42.168
257.34	42.225
257.44	42.274
257.54	42.318
257.64	42.356
257.74	42.39
257.84	42.419
257.94	42.445
258.	42.46
258.01	42.462
258.02	42.465
258.05	42.472
258.14	42.495
258.24	42.521
258.34	42.545
258.44	42.569
258.54	42.591
258.64	42.613
258.74	42.633
258.84	42.653
258.94	42.671
259.	42.682
259.01	42.684
259.02	42.687
259.05	42.696
259.14	42.732
259.24	42.78
259.34	42.834
259.44	42.893
259.54	42.957
259.64	43.024
259.74	43.096
259.84	43.17
259.94	43.248
260.	43.295
260.01	43.302
260.02	43.309
260.05	43.325
260.14	43.351
260.24	43.363
260.34	

	43.36
260.44	43.347
260.54	43.323
260.64	43.291
260.74	43.251
260.84	43.204
260.94	43.15
261.	43.116
261.01	43.11
261.02	43.106
261.05	43.095
261.14	43.078
261.24	43.072
261.34	43.074
261.44	43.084
261.54	43.099
261.64	43.12
261.74	43.144
261.84	43.173
261.94	43.205
262.	43.225
262.01	43.228
262.02	43.231
262.05	43.24
262.14	43.265
262.24	43.29
262.34	43.315
262.44	43.339
262.54	43.363
262.64	43.387
262.74	43.411
262.84	43.434
262.94	43.458
263.	43.472
263.01	43.475
263.02	43.477
263.05	43.483
263.14	43.496
263.24	43.507
263.34	43.516
263.44	43.523
263.54	43.528
263.64	43.531
263.74	43.532
263.84	
263.94	43.53
264.	43.529
264.01	
264.02	
264.05	43.531
264.14	43.544
264.24	43.564
264.34	43.589
264.44	43.617
264.54	43.649
264.64	43.683
264.74	43.719
264.84	43.758
264.94	43.799
265.	43.825

265.01	43.828
265.02	43.832
265.05	43.838
265.14	43.84
265.24	43.828
265.34	43.805
265.44	43.773
265.54	43.733
265.64	43.686
265.74	43.632
265.84	43.572
265.94	43.507
266.	43.466
266.01	43.46
266.02	43.454
266.05	43.442
266.14	43.427
266.24	43.428
266.34	43.442
266.44	43.467
266.54	43.501
266.64	43.543
266.74	43.593
266.84	43.648
266.94	43.71
267.	43.749
267.01	43.755
267.02	43.761
267.05	43.777
267.14	43.815
267.24	43.85
267.34	43.881
267.44	43.909
267.54	43.933
267.64	43.956
267.74	43.977
267.84	43.996
267.94	44.014
268.	44.024
268.01	44.026
268.02	44.028
268.05	44.035
268.14	44.062
268.24	44.096
268.34	44.133
268.44	44.173
268.54	44.216
268.64	44.261
268.74	44.307
268.84	44.356
268.94	44.406
269.	44.437
269.01	44.442
269.02	44.447
269.05	44.462
269.14	44.511
269.24	44.566
269.34	44.623
269.44	44.681
269.54	44.741
269.64	

	44.802
269.74	44.864
269.84	44.927
269.94	44.992
270.	45.031
270.01	45.037
270.02	45.044
270.05	45.063
270.14	45.122
270.24	45.187
270.34	45.253
270.44	45.319
270.54	45.386
270.64	45.453
270.74	45.521
270.84	45.59
270.94	45.659
271.	45.701
271.01	45.708
271.02	45.714
271.05	45.733
271.14	45.784
271.24	45.837
271.34	45.886
271.44	45.931
271.54	45.975
271.64	46.016
271.74	46.056
271.84	46.093
271.94	46.129
272.	46.15
272.01	46.154
272.02	46.157
272.05	46.167
272.14	46.196
272.24	46.226
272.34	46.255
272.44	46.282
272.54	46.308
272.64	46.333
272.74	46.356
272.84	46.378
272.94	46.4
273.	46.412
273.01	46.414
273.02	46.415
273.05	46.416
273.14	46.407
273.24	46.385
273.34	46.353
273.44	46.312
273.54	46.264
273.64	46.209
273.74	46.148
273.84	46.081
273.94	46.008
274.	45.963
274.01	45.955
274.02	45.949
274.05	45.929
274.14	

	45.881
274.24	45.833
274.34	45.788
274.44	45.747
274.54	45.708
274.64	45.671
274.74	45.635
274.84	45.6
274.94	45.567
275.	45.547
275.01	45.543
275.02	45.54
275.05	45.53
275.14	45.499
275.24	45.464
275.34	45.429
275.44	45.394
275.54	45.359
275.64	45.324
275.74	45.289
275.84	45.253
275.94	45.217
276.	45.195
276.01	45.192
276.02	45.188
276.05	45.178
276.14	45.149
276.24	45.118
276.34	45.089
276.44	45.059
276.54	45.031
276.64	45.003
276.74	44.976
276.84	44.949
276.94	44.922
277.	44.907
277.01	44.904
277.02	44.901
277.05	44.894
277.14	44.871
277.24	44.847
277.34	44.824
277.44	44.801
277.54	44.779
277.64	44.757
277.74	44.736
277.84	44.715
277.94	44.694
278.	44.682
278.01	44.68
278.02	44.679
278.05	44.673
278.14	44.66
278.24	44.647
278.34	44.636
278.44	44.627
278.54	44.619
278.64	44.612
278.74	44.606
278.84	44.601
278.94	

	44.597
279.	44.595
279.01	
279.02	
279.05	44.594
279.14	44.591
279.24	44.589
279.34	44.587
279.44	44.586
279.54	
279.64	
279.74	
279.84	44.587
279.94	44.588
280.	44.589
280.01	
280.02	
280.05	44.591
280.14	44.599
280.24	44.611
280.34	44.626
280.44	44.643
280.54	44.662
280.64	44.683
280.74	44.705
280.84	44.729
280.94	44.755
281.	44.771
281.01	44.773
281.02	44.776
281.05	44.783
281.14	44.806
281.24	44.832
281.34	44.858
281.44	44.884
281.54	44.911
281.64	44.938
281.74	44.966
281.84	44.995
281.94	45.024
282.	45.041
282.01	45.044
282.02	45.047
282.05	45.056
282.14	45.086
282.24	45.119
282.34	45.154
282.44	45.19
282.54	45.227
282.64	45.265
282.74	45.304
282.84	45.344
282.94	45.385
283.	45.409
283.01	45.413
283.02	45.417
283.05	45.429
283.14	45.463
283.24	45.5
283.34	45.536

283.44	45.572
283.54	45.607
283.64	45.642
283.74	45.677
283.84	45.712
283.94	45.747
284.	45.767
284.01	45.771
284.02	45.775
284.05	45.787
284.14	45.826
284.24	45.872
284.34	45.922
284.44	45.973
284.54	46.027
284.64	46.083
284.74	46.14
284.84	46.199
284.94	46.259
285.	46.296
285.01	46.302
285.02	46.308
285.05	46.325
285.14	46.373
285.24	46.423
285.34	46.471
285.44	46.518
285.54	46.564
285.64	46.609
285.74	46.653
285.84	46.696
285.94	46.739
286.	46.765
286.01	46.769
286.02	46.774
286.05	46.79
286.14	46.847
286.24	46.919
286.34	46.996
286.44	47.079
286.54	47.166
286.64	47.257
286.74	47.352
286.84	47.451
286.94	47.552
287.	47.615
287.01	47.624
287.02	47.634
287.05	47.66
287.14	47.723
287.24	47.782
287.34	47.832
287.44	47.875
287.54	47.913
287.64	47.945
287.74	47.973
287.84	47.997
287.94	48.016
288.	48.027
288.01	48.029
288.02	

	48.031
288.05	48.037
288.14	48.057
288.24	48.08
288.34	48.103
288.44	48.125
288.54	48.147
288.64	48.168
288.74	48.188
288.84	48.208
288.94	48.227
289.	48.238
289.01	48.24
289.02	48.242
289.05	48.247
289.14	48.26
289.24	48.274
289.34	48.286
289.44	48.297
289.54	48.306
289.64	48.314
289.74	48.322
289.84	48.328
289.94	48.333
290.	48.335
290.01	48.336
290.02	
290.05	48.337
290.14	48.341
290.24	48.346
290.34	48.349
290.44	48.353
290.54	48.356
290.64	48.358
290.74	48.361
290.84	48.363
290.94	48.364
291.	48.365
291.01	
291.02	
291.05	48.364
291.14	48.359
291.24	48.351
291.34	48.34
291.44	48.326
291.54	48.311
291.64	48.295
291.74	48.276
291.84	48.256
291.94	48.235
292.	48.222
292.01	48.22
292.02	48.218
292.05	48.215
292.14	48.218
292.24	48.229
292.34	48.247
292.44	48.27
292.54	48.298
292.64	48.33

292.74	48.366
292.84	48.406
292.94	48.448
293.	48.475
293.01	48.479
293.02	48.483
293.05	48.494
293.14	48.522
293.24	48.548
293.34	48.571
293.44	48.592
293.54	48.611
293.64	48.629
293.74	48.645
293.84	48.661
293.94	48.675
294.	48.683
294.01	48.685
294.02	48.687
294.05	48.697
294.14	48.742
294.24	48.804
294.34	48.877
294.44	48.958
294.54	49.047
294.64	49.143
294.74	49.245
294.84	49.353
294.94	49.466
295.	49.536
295.01	49.55
295.02	49.565
295.05	49.626
295.14	49.881
295.24	50.229
295.34	50.629
295.44	51.075
295.54	51.56
295.64	52.081
295.74	52.635
295.84	53.22
295.94	53.835
296.	54.213
296.01	54.273
296.02	54.329
296.05	54.476
296.14	54.811
296.24	55.097
296.34	55.318
296.44	55.488
296.54	55.613
296.64	55.7
296.74	55.754
296.84	55.776
296.94	55.772
297.	55.759
297.01	55.757
297.02	55.756
297.05	55.75
297.14	55.728
297.24	

	55.692
297.34	55.644
297.44	55.584
297.54	55.512
297.64	55.429
297.74	55.333
297.84	55.227
297.94	55.11
298.	55.035
298.01	55.025
298.02	55.017
298.05	55.005
298.14	55.036
298.24	55.126
298.34	55.257
298.44	55.423
298.54	55.619
298.64	55.84
298.74	56.085
298.84	56.351
298.94	56.636
299.	56.813
299.01	56.842
299.02	56.869
299.05	56.946
299.14	57.146
299.24	57.349
299.34	57.537
299.44	57.714
299.54	57.884
299.64	58.046
299.74	58.204
299.84	58.356
299.94	58.505
300.	58.593
300.01	58.607
300.02	58.621
300.05	58.662
300.14	58.773
300.24	58.888
300.34	58.994
300.44	59.094
300.54	59.188
300.64	59.276
300.74	59.358
300.84	59.436
300.94	59.51
301.	59.552
301.01	59.559
301.02	59.565
301.05	59.578
301.14	59.596
301.24	
301.34	59.578
301.44	59.546
301.54	59.501
301.64	59.443
301.74	59.374
301.84	59.295
301.94	59.206

302.	59.149
302.01	59.142
302.02	59.138
302.05	59.141
302.14	59.233
302.24	59.406
302.34	59.634
302.44	59.907
302.54	60.218
302.64	60.565
302.74	60.942
302.84	61.348
302.94	61.78
303.	62.049
303.01	62.093
303.02	62.138
303.05	62.274
303.14	62.692
303.24	63.173
303.34	63.671
303.44	64.185
303.54	64.714
303.64	65.258
303.74	65.818
303.84	66.391
303.94	66.979
304.	67.337
304.01	67.395
304.02	67.451
304.05	67.61
304.14	68.038
304.24	68.474
304.34	68.881
304.44	69.264
304.54	69.629
304.64	69.977
304.74	70.312
304.84	70.633
304.94	70.943
305.	71.126
305.01	71.155
305.02	71.183
305.05	71.259
305.14	71.445
305.24	71.611
305.34	71.744
305.44	71.85
305.54	71.93
305.64	71.988
305.74	72.026
305.84	72.044
305.94	72.045
306.	72.039
306.01	72.038
306.02	72.037
306.05	72.033
306.14	72.008
306.24	71.967
306.34	71.913
306.44	71.846
306.54	

	71.766
306.64	71.675
306.74	71.571
306.84	71.456
306.94	71.331
307.	71.251
307.01	71.238
307.02	71.224
307.05	71.181
307.14	71.039
307.24	70.868
307.34	70.685
307.44	70.49
307.54	70.283
307.64	70.066
307.74	69.839
307.84	69.601
307.94	69.355
308.	69.203
308.01	69.179
308.02	69.155
308.05	69.089
308.14	68.911
308.24	68.73
308.34	68.56
308.44	68.4
308.54	68.246
308.64	68.098
308.74	67.955
308.84	67.816
308.94	67.68
309.	67.6
309.01	67.587
309.02	67.575
309.05	67.542
309.14	67.461
309.24	67.388
309.34	67.328
309.44	67.281
309.54	67.244
309.64	67.216
309.74	67.196
309.84	67.184
309.94	67.179
310.	67.178
310.01	67.177
310.02	67.175
310.05	67.164
310.14	67.104
310.24	67.014
310.34	66.907
310.44	66.786
310.54	66.653
310.64	66.509
310.74	66.356
310.84	66.194
310.94	66.025
311.	65.92
311.01	65.903
311.02	65.887
311.05	

	65.843
311.14	65.729
311.24	65.618
311.34	65.518
311.44	65.427
311.54	65.343
311.64	65.266
311.74	65.195
311.84	65.128
311.94	65.067
312.	65.031
312.01	65.025
312.02	65.019
312.05	65.001
312.14	64.949
312.24	64.893
312.34	64.838
312.44	64.785
312.54	64.733
312.64	64.683
312.74	64.634
312.84	64.587
312.94	64.541
313.	64.514
313.01	64.51
313.02	64.506
313.05	64.496
313.14	64.474
313.24	64.457
313.34	64.447
313.44	64.442
313.54	64.441
313.64	64.445
313.74	64.452
313.84	64.463
313.94	64.476
314.	64.485
314.01	64.486
314.02	64.488
314.05	64.495
314.14	64.521
314.24	64.556
314.34	64.597
314.44	64.642
314.54	64.692
314.64	64.746
314.74	64.803
314.84	64.864
314.94	64.929
315.	64.969
315.01	64.975
315.02	64.981
315.05	64.995
315.14	65.025
315.24	65.047
315.34	65.061
315.44	65.068
315.54	65.069
315.64	65.066
315.74	65.059
315.84	

	65.047
315.94	65.033
316.	65.023
316.01	65.022
316.02	
316.05	65.025
316.14	65.055
316.24	65.105
316.34	65.169
316.44	65.243
316.54	65.328
316.64	65.42
316.74	65.52
316.84	65.627
316.94	65.74
317.	65.81
317.01	65.82
317.02	65.829
317.05	65.847
317.14	65.859
317.24	65.835
317.34	65.784
317.44	65.709
317.54	65.615
317.64	65.504
317.74	65.378
317.84	65.237
317.94	65.084
318.	64.988
318.01	64.972
318.02	64.957
318.05	64.911
318.14	64.778
318.24	64.63
318.34	64.48
318.44	64.328
318.54	64.172
318.64	64.014
318.74	63.852
318.84	63.686
318.94	63.517
319.	63.415
319.01	63.399
319.02	63.384
319.05	63.345
319.14	63.264
319.24	63.202
319.34	63.164
319.44	63.144
319.54	63.141
319.64	63.153
319.74	63.179
319.84	63.217
319.94	63.268
320.	63.302
320.01	63.307
320.02	63.311
320.05	63.319
320.14	
320.24	63.303

320.34	63.274
320.44	63.237
320.54	63.192
320.64	63.141
320.74	63.086
320.84	63.026
320.94	62.962
321.	62.923
321.01	62.916
321.02	62.909
321.05	62.885
321.14	62.803
321.24	62.701
321.34	62.59
321.44	62.472
321.54	62.347
321.64	62.216
321.74	62.08
321.84	61.939
321.94	61.794
322.	61.706
322.01	61.691
322.02	61.677
322.05	61.637
322.14	61.527
322.24	61.413
322.34	61.305
322.44	61.2
322.54	61.099
322.64	61.001
322.74	60.905
322.84	60.811
322.94	60.718
323.	60.663
323.01	60.654
323.02	60.645
323.05	60.617
323.14	60.532
323.24	60.438
323.34	60.342
323.44	60.247
323.54	60.151
323.64	60.056
323.74	59.959
323.84	59.863
323.94	59.767
324.	59.709
324.01	59.699
324.02	59.689
324.05	59.659
324.14	59.565
324.24	59.458
324.34	59.349
324.44	59.238
324.54	59.126
324.64	59.012
324.74	58.896
324.84	58.78
324.94	58.663
325.	58.592
325.01	

	58.58
325.02	58.569
325.05	58.535
325.14	58.437
325.24	58.331
325.34	58.228
325.44	58.126
325.54	58.026
325.64	57.926
325.74	57.828
325.84	57.731
325.94	57.634
326.	57.577
326.01	57.567
326.02	57.558
326.05	57.531
326.14	57.456
326.24	57.376
326.34	57.301
326.44	57.229
326.54	57.161
326.64	57.094
326.74	57.031
326.84	56.969
326.94	56.91
327.	56.875
327.01	56.87
327.02	56.864
327.05	56.847
327.14	56.798
327.24	56.746
327.34	56.695
327.44	56.647
327.54	56.6
327.64	56.556
327.74	56.512
327.84	56.47
327.94	56.43
328.	56.406
328.01	56.402
328.02	56.399
328.05	56.387
328.14	56.356
328.24	56.324
328.34	56.294
328.44	56.265
328.54	56.239
328.64	56.214
328.74	56.191
328.84	56.17
328.94	56.151
329.	56.139
329.01	56.137
329.02	56.135
329.05	56.125
329.14	56.086
329.24	56.035
329.34	55.977
329.44	55.914
329.54	55.846
329.64	

	55.774
329.74	55.699
329.84	55.62
329.94	55.538
330.	55.488
330.01	55.48
330.02	55.472
330.05	55.449
330.14	55.388
330.24	55.324
330.34	55.263
330.44	55.204
330.54	55.148
330.64	55.093
330.74	55.04
330.84	54.988
330.94	54.937
331.	54.907
331.01	54.902
331.02	54.897
331.05	54.882
331.14	54.837
331.24	54.787
331.34	54.738
331.44	54.689
331.54	54.641
331.64	54.593
331.74	54.546
331.84	54.499
331.94	54.452
332.	54.424
332.01	54.42
332.02	54.416
332.05	54.403
332.14	54.37
332.24	54.337
332.34	54.307
332.44	54.279
332.54	54.254
332.64	54.231
332.74	54.21
332.84	54.191
332.94	54.174
333.	54.164
333.01	54.162
333.02	54.16
333.05	54.153
333.14	54.125
333.24	54.116
333.34	54.115
333.44	54.114
333.54	54.112
333.64	54.109
333.74	54.107
333.84	54.103
333.94	54.1
334.	54.098
334.01	54.097
334.02	
334.05	54.096

334.14	54.094
334.24	54.092
334.34	54.09
334.44	54.088
334.54	54.086
334.64	54.084
334.74	54.083
334.84	54.081
334.94	54.08
335.	54.079
335.01	
335.02	
335.05	54.078
335.14	54.076
335.24	54.073
335.34	54.069
335.44	54.066
335.54	54.062
335.64	54.058
335.74	54.054
335.84	54.05
335.94	54.046
336.	54.043
336.01	
336.02	54.042
336.05	54.041
336.14	54.04
336.24	54.039
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336.44	
336.54	54.04
336.64	54.041
336.74	54.043
336.84	54.045
336.94	54.047
337.	54.048
337.01	54.049
337.02	
337.05	
337.14	54.05
337.24	54.052
337.34	54.053
337.44	54.054
337.54	
337.64	54.055
337.74	54.056
337.84	54.057
337.94	54.058
338.	
338.01	
338.02	
338.05	
338.14	54.057
338.24	54.056
338.34	54.054
338.44	54.051
338.54	54.048
338.64	54.045
338.74	54.042
338.84	54.038

338.94	54.034
339.	54.032
339.01	54.031
339.02	
339.05	54.03
339.14	54.027
339.24	54.024
339.34	54.021
339.44	54.018
339.54	54.016
339.64	54.013
339.74	54.01
339.84	54.008
339.94	54.005
340.	54.003
340.01	
340.02	
340.05	54.002
340.14	53.999
340.24	53.996
340.34	53.992
340.44	53.988
340.54	53.984
340.64	53.98
340.74	53.976
340.84	53.972
340.94	53.968
341.	53.965
341.01	
341.02	
341.05	53.964
341.14	53.961
341.24	53.959
341.34	53.957
341.44	53.956
341.54	53.955
341.64	53.954
341.74	53.953
341.84	
341.94	
342.	
342.01	
342.02	53.952
342.05	
342.14	53.95
342.24	53.947
342.34	53.944
342.44	53.941
342.54	53.937
342.64	53.933
342.74	53.929
342.84	53.925
342.94	53.921
343.	53.919
343.01	
343.02	53.918
343.05	53.917
343.14	53.914
343.24	53.911
343.34	53.908

343.44	53.905
343.54	53.903
343.64	53.9
343.74	53.898
343.84	53.895
343.94	53.893
344.	53.892
344.01	
344.02	
344.05	53.891
344.14	53.889
344.24	53.887
344.34	53.885
344.44	53.883
344.54	53.881
344.64	53.879
344.74	53.876
344.84	53.874
344.94	53.872
345.	53.871
345.01	
345.02	
345.05	53.87
345.14	53.868
345.24	53.866
345.34	53.864
345.44	53.861
345.54	53.859
345.64	53.856
345.74	53.854
345.84	53.851
345.94	53.849
346.	53.847
346.01	
346.02	
346.05	53.846
346.14	53.844
346.24	53.841
346.34	53.838
346.44	53.835
346.54	53.832
346.64	53.829
346.74	53.826
346.84	53.823
346.94	53.82
347.	53.819
347.01	53.818
347.02	
347.05	53.817
347.14	53.814
347.24	53.811
347.34	53.809
347.44	53.806
347.54	53.803
347.64	53.801
347.74	53.799
347.84	53.797
347.94	53.796
348.	53.795
348.01	

348.02	
348.05	53.794
348.14	53.793
348.24	53.792
348.34	53.791
348.44	53.789
348.54	53.788
348.64	53.786
348.74	53.784
348.84	53.782
348.94	53.78
349.	53.779
349.01	
349.02	
349.05	53.778
349.14	53.776
349.24	53.774
349.34	53.772
349.44	53.77
349.54	53.768
349.64	53.767
349.74	53.765
349.84	53.763
349.94	53.761
350.	53.76
350.01	53.759
350.02	
350.05	
350.14	53.757
350.24	53.755
350.34	53.753

	22.25	
350.44	22.249	53.751
350.54	22.248	53.749
350.64	22.247	53.748
350.74		53.746
350.84	22.246	53.744
350.94	22.245	53.742
351.		53.741
351.01		
351.02		
351.05	22.244	53.74
351.14		53.739
351.24	22.243	53.737
351.34	22.242	53.735
351.44		53.733
351.54	22.241	53.732
351.64	22.24	53.73
351.74	22.239	53.728
351.84		53.727
351.94	22.238	53.725
352.		53.724
352.01	22.237	
352.02		
352.05		53.723
352.14		53.721
352.24	22.236	53.719
352.34	22.235	53.717
352.44		53.715
352.54	22.234	53.713
352.64	22.233	53.711
352.74		53.708
352.84	22.232	53.706
352.94	22.231	53.704
353.		53.702
353.01		
353.02		
353.05	22.23	53.701
353.14		53.699
353.24	22.229	53.696
353.34		53.694
353.44	22.228	53.691
353.54	22.227	53.689
353.64		53.686
353.74	22.226	53.684
353.84	22.225	53.681
353.94		53.679
354.	22.224	53.678
354.01		53.677
354.02		
354.05		
354.14		53.674
354.24	22.223	53.672
354.34	22.222	53.67
354.44		53.668
354.54	22.221	53.666
354.64		53.664
354.74	22.22	53.662
354.84	22.219	53.66
354.94		53.658
355.		53.657

355.01	22.218	
355.02		53.656
355.05		
355.14		53.654
355.24	22.217	53.652
355.34	22.216	53.651
355.44		53.649
355.54	22.215	53.647
355.64		53.646
355.74	22.214	53.644
355.84		53.643
355.94	22.213	53.642
356.		53.641
356.01		
356.02		53.64
356.05		
356.14	22.212	53.639
356.24		53.638
356.34	22.211	53.636
356.44	22.21	53.635
356.54		53.633
356.64	22.209	53.632
356.74		53.63
356.84	22.208	53.629
356.94		53.627
357.		53.626
357.01		
357.02	22.207	
357.05		53.625
357.14		53.624
357.24	22.206	53.622
357.34		53.62
357.44	22.205	53.619
357.54		53.617
357.64	22.204	53.615
357.74		53.613
357.84		53.611
357.94	22.203	53.609
358.		53.608
358.01		53.607
358.02		
358.05		
358.14	22.202	53.605
358.24		53.603
358.34	22.201	53.601
358.44		53.598
358.54	22.2	53.596
358.64		53.594
358.74	22.199	53.592
358.84		53.59
358.94		53.588
359.	22.198	53.587
359.01		53.586
359.02		
359.05		
359.14		53.584
359.24	22.197	53.582
359.34		53.58
359.44	22.196	53.578
359.54		53.575

359.64		53.573
359.74	22.195	53.571
359.84		53.569
359.94	22.194	53.567
360.		53.566
360.01		53.565
360.02		
360.05		53.564
360.14		53.563
360.24	22.193	53.56
360.34		53.558
360.44		53.556
360.54	22.192	53.554
360.64		53.552
360.74	22.191	53.549
360.84		53.547
360.94		53.545
361.		53.544
361.01		
361.02		
361.05	22.19	53.543
361.14		53.541
361.24		53.539
361.34	22.189	53.537
361.44		53.535
361.54		53.534
361.64	22.188	53.532
361.74		53.53
361.84		53.528
361.94	22.187	53.526
362.		53.525
362.01		
362.02		
362.05		53.524
362.14		53.523
362.24		53.521
362.34	22.186	53.519
362.44		53.518
362.54		53.516
362.64	22.185	53.514
362.74		53.512
362.84		53.51
362.94	22.184	53.508
363.		53.507
363.01		
363.02		
363.05		53.506
363.14		53.504
363.24		53.502
363.34	22.183	53.5
363.44		53.498
363.54		53.496
363.64		53.494
363.74	22.182	53.492
363.84		53.49
363.94		53.488
364.		53.486
364.01		
364.02		
364.05		53.485

364.14	22.181	53.483
364.24		53.481
364.34		53.479
364.44		53.477
364.54	22.18	53.475
364.64		53.473
364.74		53.471
364.84		53.468
364.94		53.466
365.		53.465
365.01	22.179	
365.02		53.464
365.05		
365.14		53.462
365.24		53.459
365.34		53.457
365.44		53.455
365.54	22.178	53.452
365.64		53.45
365.74		53.448
365.84		53.445
365.94		53.443
366.		53.441
366.01		
366.02		
366.05		53.44
366.14	22.177	53.438
366.24		53.436
366.34		53.433
366.44		53.431
366.54		53.428
366.64		53.426
366.74	22.176	53.423
366.84		53.421
366.94		53.419
367.		53.417
367.01		
367.02		
367.05		53.416
367.14		53.414
367.24		53.412
367.34		53.409
367.44	22.175	53.407
367.54		53.405
367.64		53.403
367.74		53.4
367.84		53.398
367.94		53.396
368.		53.394
368.01		
368.02		
368.05		53.393
368.14		53.391
368.24		53.389
368.34		53.387
368.44		53.384
368.54		53.382
368.64		53.38
368.74		53.377
368.84		53.375

368.94		53.373
369.		53.371
369.01		
369.02		
369.05	22.174	53.37
369.14		53.368
369.24		53.366
369.34		53.364
369.44		53.361
369.54		53.359
369.64		53.357
369.74		53.354
369.84		53.352
369.94		53.349
370.		53.348
370.01		
370.02		
370.05		53.347
370.14		53.345
370.24		53.342
370.34		53.34
370.44		53.337
370.54		53.335
370.64		53.333
370.74		53.33
370.84		53.328
370.94		53.326
371.		53.324
371.01		
371.02		
371.05		53.323
371.14		53.321
371.24		53.319
371.34		53.317
371.44		53.315
371.54	22.173	53.312
371.64		53.31
371.74		53.308
371.84		53.306
371.94		53.304
372.		53.303
372.01		
372.02		53.302
372.05		
372.14		53.3
372.24		53.298
372.34		53.296
372.44		53.293
372.54		53.291
372.64		53.289
372.74		53.287
372.84		53.285
372.94		53.283
373.		53.281
373.01		
373.02		
373.05		53.28
373.14		53.278
373.24		53.276
373.34		53.274

373.44		53.271
373.54		53.269
373.64		53.267
373.74	22.174	53.264
373.84		53.262
373.94		53.26
374.		53.258
374.01		
374.02		
374.05		53.257
374.14		53.255
374.24		53.252
374.34		53.25
374.44		53.248
374.54		53.245
374.64		53.243
374.74		53.24
374.84		53.238
374.94		53.236
375.		53.234
375.01		
375.02		
375.05	22.175	53.233
375.14		53.231
375.24		53.229
375.34		53.226
375.44		53.224
375.54		53.222
375.64		53.219
375.74		53.217
375.84		53.214
375.94		53.212
376.		53.211
376.01	22.176	53.21
376.02		
376.05		53.209
376.14		53.207
376.24		53.205
376.34		53.202
376.44		53.2
376.54		53.198
376.64		53.195
376.74		53.193
376.84	22.177	53.19
376.94		53.187
377.		53.186
377.01		
377.02		53.185
377.05		
377.14		53.182
377.24		53.179
377.34		53.177
377.44		53.174
377.54	22.178	53.171
377.64		53.169
377.74		53.166
377.84		53.163
377.94		53.161
378.		53.159
378.01		

378.02		
378.05		53.158
378.14	22.179	53.156
378.24		53.153
378.34		53.15
378.44		53.148
378.54		53.145
378.64		53.142
378.74	22.18	53.14
378.84		53.137
378.94		53.134
379.		53.133
379.01		
379.02		53.132
379.05		53.131
379.14		53.129
379.24	22.181	53.126
379.34		53.124
379.44		53.121
379.54		53.118
379.64		53.116
379.74	22.182	53.113
379.84		53.111
379.94		53.108
380.		53.106
380.01		
380.02		
380.05		53.105
380.14		53.103
380.24	22.183	53.1
380.34		53.098
380.44		53.095
380.54		53.093
380.64		53.09
380.74	22.184	53.088
380.84		53.085
380.94		53.083
381.		53.081
381.01		
381.02		
381.05		53.08
381.14	22.185	53.078
381.24		53.075
381.34		53.073
381.44		53.07
381.54	22.186	53.068
381.64		53.065
381.74		53.063
381.84		53.06
381.94		53.058
382.	22.187	53.056
382.01		
382.02		
382.05		53.055
382.14		53.053
382.24		53.051
382.34	22.188	53.048
382.44		53.046
382.54		53.043
382.64		53.041

382.74	22.189	53.039
382.84		53.037
382.94		53.034
383.		53.033
383.01		
383.02		
383.05		53.032
383.14	22.19	53.03
383.24		53.028
383.34		53.026
383.44		53.024
383.54	22.191	53.022
383.64		53.02
383.74		53.017
383.84	22.192	53.015
383.94		53.013
384.		53.011
384.01		
384.02		
384.05		53.01
384.14		53.008
384.24	22.193	53.006
384.34		53.003
384.44		53.001
384.54	22.194	52.999
384.64		52.996
384.74		52.994
384.84	22.195	52.992
384.94		52.99
385.		52.988
385.01		
385.02		
385.05		52.987
385.14		52.986
385.24	22.196	52.984
385.34		52.981
385.44		52.979
385.54	22.197	52.977
385.64		52.975
385.74		52.973
385.84	22.198	52.971
385.94		52.969
386.		52.968
386.01		
386.02		52.967
386.05		
386.14	22.199	52.965
386.24		52.963
386.34		52.96
386.44	22.2	52.958
386.54		52.956
386.64		52.954
386.74	22.201	52.951
386.84		52.949
386.94		52.947
387.	22.202	52.945
387.01		
387.02		
387.05		52.944
387.14		52.942

387.24		52.94
387.34	22.203	52.938
387.44		52.935
387.54		52.933
387.64	22.204	52.93
387.74		52.928
387.84		52.926
387.94	22.205	52.923
388.		52.922
388.01		52.921
388.02		
388.05		52.92
388.14		52.918
388.24	22.206	52.915
388.34		52.913
388.44	22.207	52.91
388.54		52.908
388.64		52.905
388.74	22.208	52.903
388.84		52.9
388.94		52.898
389.	22.209	52.897
389.01		52.896
389.02		
389.05		52.895
389.14		52.893
389.24	22.21	52.891
389.34		52.889
389.44		52.886
389.54	22.211	52.884
389.64		52.882
389.74		52.879
389.84	22.212	52.877
389.94		52.875
390.	22.213	52.873
390.01		
390.02		
390.05		52.872
390.14		52.87
390.24		52.867
390.34	22.214	52.865
390.44		52.862
390.54	22.215	52.86
390.64		52.857
390.74		52.855
390.84	22.216	52.852
390.94		52.849
391.		52.848
391.01	22.217	52.847
391.02		
391.05		52.846
391.14		52.844
391.24		52.841
391.34	22.218	52.838
391.44		52.835
391.54	22.219	52.833
391.64		52.83
391.74	22.22	52.827
391.84		52.824
391.94		52.821

392.	22.221	52.819
392.01		
392.02		
392.05		52.818
392.14		52.815
392.24	22.222	52.813
392.34		52.81
392.44		52.807
392.54	22.223	52.804
392.64		52.801
392.74	22.224	52.798
392.84		52.795
392.94	22.225	52.792
393.		52.791
393.01		52.79
393.02		
393.05		52.789
393.14		52.787
393.24	22.226	52.784
393.34		52.781
393.44	22.227	52.778
393.54		52.775
393.64	22.228	52.772
393.74		52.769
393.84	22.229	52.766
393.94		52.764
394.		52.762
394.01		
394.02		52.761
394.05	22.23	
394.14		52.758
394.24		52.755
394.34	22.231	52.753
394.44		52.75
394.54	22.232	52.747
394.64		52.744
394.74	22.233	52.742
394.84		52.739
394.94	22.234	52.736
395.		52.735
395.01		52.734
395.02		
395.05		52.733
395.14		52.731
395.24	22.235	52.728
395.34		52.725
395.44	22.236	52.723
395.54		52.72
395.64	22.237	52.717
395.74		52.714
395.84	22.238	52.712
395.94		52.709
396.		52.707
396.01	22.239	
396.02		
396.05		52.706
396.14		52.704
396.24	22.24	52.701
396.34		52.698
396.44		52.696

396.54	22.241	52.693
396.64		52.69
396.74	22.242	52.688
396.84		52.685
396.94	22.243	52.683
397.		52.681
397.01		
397.02		
397.05		52.68
397.14	22.244	52.677
397.24		52.675
397.34	22.245	52.672
397.44		52.67
397.54	22.246	52.667
397.64		52.665
397.74	22.247	52.662
397.84		52.659
397.94	22.248	52.657
398.		52.655
398.01		
398.02		
398.05		52.654
398.14	22.249	52.652
398.24		52.649
398.34		52.647
398.44		52.644
398.54		52.642
398.64		52.639
398.74		52.637
398.84		52.634
398.94		52.631
399.		52.63
399.01		
399.02		52.629
399.05		52.628
399.14		52.626
399.24		52.623
399.34		52.621
399.44		52.618
399.54		52.615
399.64		52.613
399.74		52.61
399.84		52.607
399.94		52.605
400.		52.603
400.01		
400.02		
400.05		52.602
400.14		52.599
400.24		52.597
400.34		52.594
400.44		52.592
400.54		52.589
400.64		52.586
400.74		52.584
400.84		52.581
400.94		52.579
401.		52.577
401.01		
401.02		

401.05	52.576
401.14	52.573
401.24	52.571
401.34	52.568
401.44	52.566
401.54	52.563
401.64	52.56
401.74	52.558
401.84	52.555
401.94	52.553
402.	52.551
402.01	
402.02	
402.05	52.55
402.14	52.548
402.24	52.545
402.34	52.542
402.44	52.54
402.54	52.537
402.64	52.535
402.74	52.532
402.84	52.53
402.94	52.527
403.	52.526
403.01	52.525
403.02	
403.05	52.524
403.14	52.522
403.24	52.519
403.34	52.517
403.44	52.514
403.54	52.512
403.64	52.509
403.74	52.507
403.84	52.504
403.94	52.502
404.	52.5
404.01	
404.02	52.499
404.05	
404.14	52.496
404.24	52.494
404.34	52.491
404.44	52.489
404.54	52.486
404.64	52.484
404.74	52.481
404.84	52.478
404.94	52.476
405.	52.474
405.01	
405.02	
405.05	52.473
405.14	52.471
405.24	52.468
405.34	52.466
405.44	52.463
405.54	52.46
405.64	52.458
405.74	52.455

405.84	52.453
405.94	52.45
406.	52.449
406.01	52.448
406.02	
406.05	52.447
406.14	52.445
406.24	52.443
406.34	52.44
406.44	52.438
406.54	52.435
406.64	52.433
406.74	52.43
406.84	52.428
406.94	52.425
407.	52.424
407.01	
407.02	52.423
407.05	
407.14	52.421
407.24	52.418
407.34	52.416
407.44	52.413
407.54	52.411
407.64	52.409
407.74	52.406
407.84	52.404
407.94	52.401
408.	52.4
408.01	
408.02	
408.05	52.399
408.14	52.397
408.24	52.394
408.34	52.392
408.44	52.39
408.54	52.387
408.64	52.385
408.74	52.382
408.84	52.38
408.94	52.378
409.	52.376
409.01	
409.02	
409.05	52.375
409.14	52.373
409.24	52.37
409.34	52.368
409.44	52.366
409.54	52.363
409.64	52.361
409.74	52.358
409.84	52.356
409.94	52.354
410.	52.352
410.01	
410.02	
410.05	52.351
410.14	52.349
410.24	52.346

410.34	52.344
410.44	52.341
410.54	52.339
410.64	52.337
410.74	52.334
410.84	52.332
410.94	52.329
411.	52.328
411.01	
411.02	
411.05	52.327
411.14	52.325
411.24	52.322
411.34	52.32
411.44	52.318
411.54	52.315
411.64	52.313
411.74	52.311
411.84	52.308
411.94	52.306
412.	52.305
412.01	52.304
412.02	
412.05	52.303
412.14	52.301
412.24	52.299
412.34	52.297
412.44	52.294
412.54	52.292
412.64	52.289
412.74	52.287
412.84	52.285
412.94	52.282
413.	52.281
413.01	
413.02	52.28
413.05	
413.14	52.278
413.24	52.275
413.34	52.273
413.44	52.27
413.54	52.268
413.64	52.266
413.74	52.263
413.84	52.261
413.94	52.258
414.	52.257
414.01	
414.02	
414.05	52.256
414.14	52.254
414.24	52.251
414.34	52.249
414.44	52.247
414.54	52.244
414.64	52.242
414.74	52.239
414.84	52.237
414.94	52.235
415.	

415.01	52.233
415.02	
415.05	52.232
415.14	52.23
415.24	52.228
415.34	52.225
415.44	52.223
415.54	52.221
415.64	52.218
415.74	52.216
415.84	52.214
415.94	52.211
416.	52.21
416.01	
416.02	52.209
416.05	
416.14	52.206
416.24	52.204
416.34	52.202
416.44	52.199
416.54	52.197
416.64	52.195
416.74	52.192
416.84	52.19
416.94	52.187
417.	52.186
417.01	
417.02	
417.05	52.185
417.14	52.183
417.24	52.18
417.34	52.178
417.44	52.176
417.54	52.173
417.64	52.171
417.74	52.169
417.84	52.166
417.94	52.164
418.	52.163
418.01	52.162
418.02	
418.05	52.161
418.14	52.159
418.24	52.157
418.34	52.155
418.44	52.152
418.54	52.15
418.64	52.148
418.74	52.146
418.84	52.143
418.94	52.141
419.	52.14
419.01	52.139
419.02	
419.05	52.138
419.14	52.136
419.24	52.134
419.34	52.132
419.44	52.129
419.54	52.127

419.64	52.125
419.74	52.122
419.84	52.12
419.94	52.118
420.	52.116
420.01	
420.02	
420.05	52.115
420.14	52.113
420.24	52.111
420.34	52.108
420.44	52.106
420.54	52.104
420.64	52.101
420.74	52.099
420.84	52.097
420.94	52.094
421.	52.093
421.01	
421.02	52.092
421.05	
421.14	52.09
421.24	52.087
421.34	52.085
421.44	52.083
421.54	52.08
421.64	52.078
421.74	52.075
421.84	52.073
421.94	52.071
422.	52.069
422.01	
422.02	
422.05	52.068
422.14	52.066
422.24	52.063
422.34	52.061
422.44	52.059
422.54	52.056
422.64	52.054
422.74	52.051
422.84	52.049
422.94	52.046
423.	52.045
423.01	
423.02	52.044
423.05	
423.14	52.042
423.24	52.039
423.34	52.037
423.44	52.034
423.54	52.032
423.64	52.029
423.74	52.027
423.84	52.025
423.94	52.022
424.	52.021
424.01	
424.02	52.02
424.05	

424.14	52.017
424.24	52.015
424.34	52.013
424.44	52.01
424.54	52.008
424.64	52.006
424.74	52.003
424.84	52.001
424.94	51.998
425.	51.997
425.01	
425.02	
425.05	51.996
425.14	51.994
425.24	51.991
425.34	51.989
425.44	51.987
425.54	51.984
425.64	51.982
425.74	51.98
425.84	51.977
425.94	51.975
426.	51.973
426.01	
426.02	
426.05	51.972
426.14	51.97
426.24	51.968
426.34	51.965
426.44	51.963
426.54	51.961
426.64	51.958
426.74	51.956
426.84	51.953
426.94	51.951
427.	51.95
427.01	51.949
427.02	
427.05	51.948
427.14	51.946
427.24	51.944
427.34	51.941
427.44	51.939
427.54	51.937
427.64	51.934
427.74	51.932
427.84	51.929
427.94	51.927
428.	51.925
428.01	
428.02	
428.05	51.924
428.14	51.922
428.24	51.919
428.34	51.917
428.44	51.915
428.54	51.912
428.64	51.91
428.74	51.907
428.84	51.905

428.94	51.902
429.	51.901
429.01	51.9
429.02	
429.05	51.899
429.14	51.897
429.24	51.895
429.34	51.892
429.44	51.89
429.54	51.887
429.64	51.885
429.74	51.882
429.84	51.88
429.94	51.877
430.	51.876
430.01	51.875
430.02	
430.05	51.874
430.14	51.872
430.24	51.87
430.34	51.867
430.44	51.865
430.54	51.862
430.64	51.859
430.74	51.857
430.84	51.854
430.94	51.852
431.	51.85
431.01	
431.02	
431.05	51.849
431.14	51.847
431.24	51.844
431.34	51.841
431.44	51.839
431.54	51.836
431.64	51.834
431.74	51.831
431.84	51.828
431.94	51.826
432.	51.824
432.01	
432.02	
432.05	51.823
432.14	51.821
432.24	51.818
432.34	51.816
432.44	51.813
432.54	51.81
432.64	51.808
432.74	51.805
432.84	51.803
432.94	51.8
433.	51.799
433.01	51.798
433.02	
433.05	51.797
433.14	51.795
433.24	51.793
433.34	51.79

433.44	51.787
433.54	51.785
433.64	51.782
433.74	51.78
433.84	51.777
433.94	51.775
434.	51.773
434.01	
434.02	
434.05	51.772
434.14	51.77
434.24	51.767
434.34	51.765
434.44	51.762
434.54	51.76
434.64	51.757
434.74	51.755
434.84	51.752
434.94	51.75
435.	51.748
435.01	
435.02	
435.05	51.747
435.14	51.745
435.24	51.742
435.34	51.74
435.44	51.737
435.54	51.735
435.64	51.732
435.74	51.73
435.84	51.727
435.94	51.725
436.	51.723
436.01	
436.02	
436.05	51.722
436.14	51.72
436.24	51.717
436.34	51.715
436.44	51.712
436.54	51.71
436.64	51.707
436.74	51.705
436.84	51.702
436.94	51.7
437.	51.698
437.01	
437.02	
437.05	51.697
437.14	51.695
437.24	51.692
437.34	51.69
437.44	51.687
437.54	51.685
437.64	51.683
437.74	51.68
437.84	51.678
437.94	51.675
438.	51.674
438.01	51.673

438.02	
438.05	51.672
438.14	51.67
438.24	51.668
438.34	51.665
438.44	51.663
438.54	51.66
438.64	51.658
438.74	51.655
438.84	51.652
438.94	51.65
439.	
439.01	51.648
439.02	
439.05	51.647
439.14	51.645
439.24	51.642
439.34	51.64
439.44	51.637
439.54	51.634
439.64	51.632
439.74	51.629
439.84	51.627
439.94	51.624
440.	
440.01	51.622
440.02	
440.05	51.621
440.14	51.619
440.24	51.616
440.34	51.614
440.44	51.611
440.54	51.609
440.64	51.606
440.74	51.603
440.84	51.601
440.94	51.598
441.	51.597
441.01	51.596
441.02	
441.05	51.595
441.14	51.593
441.24	51.59
441.34	51.587
441.44	51.585
441.54	51.582
441.64	51.579
441.74	51.577
441.84	51.574
441.94	51.571
442.	
442.01	51.569
442.02	
442.05	51.568
442.14	51.566
442.24	51.563
442.34	51.56
442.44	51.557
442.54	51.554
442.64	51.552

442.74	51.549
442.84	51.546
442.94	51.543
443.	51.542
443.01	51.541
443.02	
443.05	51.54
443.14	51.538
443.24	51.535
443.34	51.532
443.44	51.529
443.54	51.526
443.64	51.524
443.74	51.521
443.84	51.518
443.94	51.515
444.	51.514
444.01	51.513
444.02	
444.05	51.512
444.14	51.51
444.24	51.507
444.34	51.504
444.44	51.501
444.54	51.498
444.64	51.496
444.74	51.493
444.84	51.49
444.94	51.487
445.	51.486
445.01	51.485
445.02	
445.05	51.484
445.14	51.482
445.24	51.479
445.34	51.476
445.44	51.473
445.54	51.471
445.64	51.468
445.74	51.465
445.84	51.462
445.94	51.46
446.	51.458
446.01	
446.02	51.457
446.05	
446.14	51.454
446.24	51.451
446.34	51.449
446.44	51.446
446.54	51.443
446.64	51.44
446.74	51.438
446.84	51.435
446.94	51.432
447.	51.43
447.01	
447.02	
447.05	51.429
447.14	51.426

447.24	51.424
447.34	51.421
447.44	51.418
447.54	51.415
447.64	51.413
447.74	51.41
447.84	51.407
447.94	51.405
448.	51.403
448.01	
448.02	51.402
448.05	
448.14	51.399
448.24	51.396
448.34	51.394
448.44	51.391
448.54	51.388
448.64	51.385
448.74	51.383
448.84	51.38
448.94	51.377
449.	51.376
449.01	
449.02	51.375
449.05	51.374
449.14	51.372
449.24	51.369
449.34	51.367
449.44	51.364
449.54	51.362
449.64	51.359
449.74	51.356
449.84	51.354
449.94	51.351
450.	51.349
450.01	
450.02	
450.05	51.348
450.14	51.346
450.24	51.343
450.34	51.341
450.44	51.338
450.54	51.335
450.64	51.333
450.74	51.33
450.84	51.327
450.94	51.325
451.	51.323
451.01	
451.02	
451.05	51.322
451.14	51.319
451.24	51.317
451.34	51.314
451.44	51.311
451.54	51.309
451.64	51.306
451.74	51.303
451.84	51.301
451.94	51.298

452.	51.297
452.01	51.296
452.02	
452.05	51.295
452.14	51.293
452.24	51.29
452.34	51.288
452.44	51.285
452.54	51.282
452.64	51.28
452.74	51.277
452.84	51.274
452.94	51.272
453.	51.27
453.01	
453.02	
453.05	51.269
453.14	51.267
453.24	51.264
453.34	51.261
453.44	51.259
453.54	51.256
453.64	51.253
453.74	51.251
453.84	51.248
453.94	51.246
454.	51.244
454.01	
454.02	
454.05	51.243
454.14	51.24
454.24	51.238
454.34	51.235
454.44	51.233
454.54	51.23
454.64	51.228
454.74	51.225
454.84	51.222
454.94	51.22
455.	51.218
455.01	
455.02	
455.05	51.217
455.14	51.215
455.24	51.212
455.34	51.209
455.44	51.207
455.54	51.204
455.64	51.202
455.74	51.199
455.84	51.197
455.94	51.194
456.	51.192
456.01	
456.02	
456.05	51.191
456.14	51.189
456.24	51.186
456.34	51.184
456.44	51.181

456.54	51.178
456.64	51.176
456.74	51.173
456.84	51.171
456.94	51.168
457.	51.167
457.01	51.166
457.02	
457.05	51.165
457.14	51.163
457.24	51.16
457.34	51.158
457.44	51.155
457.54	51.153
457.64	51.15
457.74	51.148
457.84	51.145
457.94	51.142
458.	51.141
458.01	
458.02	51.14
458.05	
458.14	51.137
458.24	51.135
458.34	51.132
458.44	51.13
458.54	51.127
458.64	51.125
458.74	51.122
458.84	51.12
458.94	51.117
459.	51.116
459.01	51.115
459.02	
459.05	51.114
459.14	51.112
459.24	51.109
459.34	51.107
459.44	51.104
459.54	51.102
459.64	51.099
459.74	51.097
459.84	51.094
459.94	51.092
460.	51.09
460.01	
460.02	
460.05	51.089
460.14	51.087
460.24	51.084
460.34	51.081
460.44	51.079
460.54	51.076
460.64	51.074
460.74	51.071
460.84	51.069
460.94	51.066
461.	51.065
461.01	51.064
461.02	

461.05	51.063
461.14	51.061
461.24	51.059
461.34	51.056
461.44	51.054
461.54	51.051
461.64	51.048
461.74	51.046
461.84	51.043
461.94	51.041
462.	51.039
462.01	
462.02	
462.05	51.038
462.14	51.036
462.24	51.033
462.34	51.031
462.44	51.028
462.54	51.026
462.64	51.023
462.74	51.021
462.84	51.018
462.94	51.015
463.	51.014
463.01	
463.02	51.013
463.05	
463.14	51.01
463.24	51.008
463.34	51.005
463.44	51.003
463.54	51.
463.64	50.998
463.74	50.995
463.84	50.993
463.94	50.99
464.	50.988
464.01	
464.02	
464.05	50.987
464.14	50.985
464.24	50.982
464.34	50.98
464.44	50.977
464.54	50.975
464.64	50.972
464.74	50.97
464.84	50.967
464.94	50.965
465.	50.963
465.01	
465.02	
465.05	50.962
465.14	50.96
465.24	50.957
465.34	50.955
465.44	50.952
465.54	50.95
465.64	50.947
465.74	50.945

465.84	50.942
465.94	50.94
466.	50.938
466.01	
466.02	
466.05	50.937
466.14	50.935
466.24	50.932
466.34	50.93
466.44	50.927
466.54	50.925
466.64	50.922
466.74	50.92
466.84	50.917
466.94	50.915
467.	50.913
467.01	
467.02	
467.05	50.912
467.14	50.91
467.24	50.908
467.34	50.905
467.44	50.903
467.54	50.9
467.64	50.898
467.74	50.895
467.84	50.893
467.94	50.89
468.	50.889
468.01	
468.02	50.888
468.05	
468.14	50.885
468.24	50.883
468.34	50.88
468.44	50.878
468.54	50.876
468.64	50.873
468.74	50.871
468.84	50.868
468.94	50.866
469.	50.864
469.01	
469.02	
469.05	50.863
469.14	50.861
469.24	50.858
469.34	50.856
469.44	50.853
469.54	50.851
469.64	50.848
469.74	50.846
469.84	50.843
469.94	50.841
470.	50.84
470.01	50.839
470.02	
470.05	50.838
470.14	50.836
470.24	50.834

470.34	50.831
470.44	50.829
470.54	50.826
470.64	50.824
470.74	50.822
470.84	50.819
470.94	50.817
471.	50.815
471.01	
471.02	
471.05	50.814
471.14	50.812
471.24	50.81
471.34	50.807
471.44	50.805
471.54	50.803
471.64	50.8
471.74	50.798
471.84	50.795
471.94	50.793
472.	50.792
472.01	50.791
472.02	
472.05	
472.14	50.788
472.24	50.786
472.34	50.784
472.44	50.781
472.54	50.779
472.64	50.777
472.74	50.774
472.84	50.772
472.94	50.77
473.	50.768
473.01	
473.02	
473.05	50.767
473.14	50.765
473.24	50.763
473.34	50.76
473.44	50.758
473.54	50.756
473.64	50.754
473.74	50.751
473.84	50.749
473.94	50.747
474.	50.745
474.01	
474.02	
474.05	50.744
474.14	50.742
474.24	50.74
474.34	50.738
474.44	50.736
474.54	50.733
474.64	50.731
474.74	50.729
474.84	50.727
474.94	50.725
475.	

475.01	50.723
475.02	
475.05	50.722
475.14	50.72
475.24	50.718
475.34	50.716
475.44	50.714
475.54	50.712
475.64	50.709
475.74	50.707
475.84	50.705
475.94	50.703
476.	50.702
476.01	50.701
476.02	
476.05	50.7
476.14	50.698
476.24	50.696
476.34	50.694
476.44	50.692
476.54	50.69
476.64	50.688
476.74	50.685
476.84	50.683
476.94	50.681
477.	50.68
477.01	
477.02	50.679
477.05	
477.14	50.677
477.24	50.675
477.34	50.672
477.44	50.67
477.54	50.668
477.64	50.666
477.74	50.664
477.84	50.661
477.94	50.659
478.	50.658
478.01	
478.02	50.657
478.05	
478.14	50.655
478.24	50.652
478.34	50.65
478.44	50.648
478.54	50.646
478.64	50.643
478.74	50.641
478.84	50.639
478.94	50.636
479.	50.635
479.01	
479.02	
479.05	50.634
479.14	50.632
479.24	50.63
479.34	50.627
479.44	50.625
479.54	50.623

479.64	50.62
479.74	50.618
479.84	50.616
479.94	50.614
480.	50.612
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480.02	
480.05	50.611
480.14	50.609
480.24	50.607
480.34	50.605
480.44	50.602
480.54	50.6
480.64	50.598
480.74	50.595
480.84	50.593
480.94	50.591
481.	50.59
481.01	50.589
481.02	
481.05	50.588
481.14	50.586
481.24	50.584
481.34	50.582
481.44	50.58
481.54	50.577
481.64	50.575
481.74	50.573
481.84	50.571
481.94	50.568
482.	50.567
482.01	
482.02	50.566
482.05	
482.14	50.564
482.24	50.562
482.34	50.559
482.44	50.557
482.54	50.555
482.64	50.553
482.74	50.55
482.84	50.548
482.94	50.546
483.	50.545
483.01	50.544
483.02	
483.05	
483.14	50.542
483.24	50.539
483.34	50.537
483.44	50.535
483.54	50.533
483.64	50.531
483.74	50.528
483.84	50.526
483.94	50.524
484.	50.523
484.01	
484.02	50.522
484.05	

484.14	50.52
484.24	50.518
484.34	50.516
484.44	50.513
484.54	50.511
484.64	50.509
484.74	50.507
484.84	50.505
484.94	50.503
485.	
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485.02	
485.05	50.5
485.14	50.498
485.24	50.496
485.34	50.494
485.44	50.492
485.54	50.49
485.64	50.487
485.74	50.485
485.84	50.483
485.94	50.481
486.	
486.01	50.479
486.02	
486.05	50.478
486.14	50.476
486.24	50.474
486.34	50.472
486.44	50.47
486.54	50.468
486.64	50.465
486.74	50.463
486.84	50.461
486.94	50.459
487.	
487.01	50.457
487.02	
487.05	50.456
487.14	50.454
487.24	50.452
487.34	50.45
487.44	50.448
487.54	50.445
487.64	50.443
487.74	50.441
487.84	50.439
487.94	50.436
488.	
488.01	50.435
488.02	
488.05	50.434
488.14	50.432
488.24	50.43
488.34	50.428
488.44	50.425
488.54	50.423
488.64	50.421
488.74	50.419
488.84	50.416

488.94	50.414
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489.01	50.412
489.02	
489.05	
489.14	50.409
489.24	50.407
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489.44	50.403
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489.84	50.393
489.94	50.391
490.	50.39
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490.02	
490.05	50.388
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490.24	50.384
490.34	50.381
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490.54	50.377
490.64	50.374
490.74	50.372
490.84	50.369
490.94	50.367
491.	50.366
491.01	50.365
491.02	
491.05	50.364
491.14	50.362
491.24	50.36
491.34	50.357
491.44	50.355
491.54	50.352
491.64	50.35
491.74	50.348
491.84	50.345
491.94	50.343
492.	50.341
492.01	
492.02	
492.05	50.34
492.14	50.338
492.24	50.335
492.34	50.333
492.44	50.33
492.54	50.328
492.64	50.326
492.74	50.323
492.84	50.321
492.94	50.318
493.	50.317
493.01	50.316
493.02	
493.05	50.315
493.14	50.313
493.24	50.311
493.34	50.308

493.44	50.306
493.54	50.303
493.64	50.301
493.74	50.299
493.84	50.296
493.94	50.294
494.	50.292
494.01	
494.02	
494.05	50.291
494.14	50.289
494.24	50.287
494.34	50.284
494.44	50.282
494.54	50.279
494.64	50.277
494.74	50.274
494.84	50.272
494.94	50.27
495.	50.268
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495.02	
495.05	50.267
495.14	50.265
495.24	50.262
495.34	50.26
495.44	50.257
495.54	50.255
495.64	50.253
495.74	50.25
495.84	50.248
495.94	50.245
496.	50.244
496.01	
496.02	50.243
496.05	
496.14	50.24
496.24	50.238
496.34	50.236
496.44	50.233
496.54	50.231
496.64	50.228
496.74	50.226
496.84	50.223
496.94	50.221
497.	50.22
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497.02	
497.05	50.218
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497.24	50.214
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497.64	50.204
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497.94	50.197
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498.02	
498.05	50.194
498.14	50.192
498.24	50.189
498.34	50.187
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498.64	50.18
498.74	50.177
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499.	50.171
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499.14	50.168
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499.54	50.158
499.64	50.156
499.74	50.153
499.84	50.151
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500.14	50.144
500.24	50.141
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500.44	50.136
500.54	50.134
500.64	50.132
500.74	50.129
500.84	50.127
500.94	50.124
501.	50.123
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501.02	50.122
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501.24	50.117
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501.54	50.11
501.64	50.108
501.74	50.105
501.84	50.103
501.94	50.1
502.	50.099
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502.02	
502.05	50.098
502.14	50.096
502.24	50.093
502.34	50.091
502.44	50.089
502.54	50.086
502.64	50.084

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502.84	50.079
502.94	50.077
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503.05	50.074
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503.64	50.061
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505.02	
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506.05	50.005
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506.64	49.992
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506.84	49.987
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511.74	49.877
511.84	49.875
511.94	49.873

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512.84	49.852
512.94	49.85
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513.02	49.848
513.05	
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513.24	49.843
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513.54	49.837
513.64	49.834
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513.84	49.83
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515.84	49.786
515.94	49.784
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516.02	49.782
516.05	
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516.24	49.777
516.34	49.775
516.44	49.773

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516.74	49.767
516.84	49.764
516.94	49.762
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517.05	
517.14	49.758
517.24	49.756
517.34	49.754
517.44	49.751
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517.64	49.747
517.74	49.745
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521.64	49.66
521.74	49.658
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522.	49.653
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524.64	49.596
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525.64	49.574
525.74	49.572

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526.14	49.564
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526.54	49.555
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527.94	49.525
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528.02	
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528.14	49.521
528.24	49.518
528.34	49.516
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528.54	49.512
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528.74	49.508
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531.01	
531.02	
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531.54	49.448
531.64	49.445
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531.84	49.441
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532.05	
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532.64	49.424
532.74	49.422
532.84	49.42
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533.14	49.413
533.24	49.411
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534.94	49.375
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535.54	49.362
535.64	49.36
535.74	49.358
535.84	49.356
535.94	49.354
536.	49.353
536.01	49.352
536.02	
536.05	
536.14	49.35
536.24	49.348
536.34	49.345
536.44	49.343
536.54	49.341
536.64	49.339
536.74	49.337
536.84	49.335
536.94	49.333
537.	49.332
537.01	49.331
537.02	
537.05	49.33
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537.24	49.326
537.34	49.324
537.44	49.322
537.54	49.32
537.64	49.318
537.74	49.316
537.84	49.314
537.94	49.312
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538.02	
538.05	49.309
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538.64	49.297
538.74	49.295
538.84	49.293
538.94	49.291
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541.01	
541.02	
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541.24	49.242
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541.44	49.238
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541.64	49.234
541.74	49.232
541.84	49.23
541.94	49.228
542.	49.226
542.01	
542.02	
542.05	49.225
542.14	49.223
542.24	49.221
542.34	49.219
542.44	49.217
542.54	49.215
542.64	49.213
542.74	49.211
542.84	49.209
542.94	49.207
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543.01	
543.02	
543.05	49.204
543.14	49.203
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543.54	49.194
543.64	49.192
543.74	49.19
543.84	49.188
543.94	49.186
544.	49.185
544.01	
544.02	49.184
544.05	

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544.44	49.176
544.54	49.174
544.64	49.172
544.74	49.17
544.84	49.168
544.94	49.166
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546.64	49.131
546.74	49.129
546.84	49.127
546.94	49.125
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547.02	49.123
547.05	
547.14	49.121
547.24	49.119
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547.44	49.115
547.54	49.113
547.64	49.111
547.74	49.109
547.84	49.107
547.94	49.105
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548.02	
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548.74	49.088
548.84	49.086

548.94	49.084
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549.02	
549.05	49.082
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549.54	49.072
549.64	49.07
549.74	49.068
549.84	49.066
549.94	49.064
550.	49.063
550.01	49.062
550.02	
550.05	
550.14	49.06
550.24	49.058
550.34	49.056
550.44	49.054
550.54	49.052
550.64	49.05
550.74	49.048
550.84	49.046
550.94	49.044
551.	49.042
551.01	
551.02	
551.05	49.041
551.14	49.039
551.24	49.037
551.34	49.035
551.44	49.033
551.54	49.031
551.64	49.029
551.74	49.027
551.84	49.025
551.94	49.023
552.	49.022
552.01	
552.02	
552.05	49.021
552.14	49.019
552.24	49.017
552.34	49.015
552.44	49.013
552.54	49.011
552.64	49.009
552.74	49.007
552.84	49.005
552.94	49.003
553.	49.002
553.01	49.001
553.02	
553.05	
553.14	48.999
553.24	48.997
553.34	48.995

553.44	48.993
553.54	48.991
553.64	48.989
553.74	48.987
553.84	48.985
553.94	48.983
554.	48.981
554.01	
554.02	
554.05	48.98
554.14	48.979
554.24	48.977
554.34	48.975
554.44	48.972
554.54	48.97
554.64	48.968
554.74	48.966
554.84	48.964
554.94	48.962
555.	48.961
555.05	48.96
555.1	48.959
555.25	48.956
555.7	48.947
556.2	48.937
556.7	48.927
557.2	48.918
557.7	48.908
558.2	48.898
558.7	48.889
559.2	48.88
559.7	48.87
560.	48.865
560.05	48.864
560.1	48.863
560.25	48.86
560.7	48.852
561.2	48.843
561.7	48.833
562.2	48.824
562.7	48.815
563.2	48.806
563.7	48.797
564.2	48.788
564.7	48.779
565.	48.773
565.05	48.772
565.1	48.771
565.25	48.768
565.7	48.76
566.2	48.751
566.7	48.742
567.2	48.733
567.7	48.724
568.2	48.715
568.7	48.706
569.2	48.696
569.7	48.687
570.	48.682
570.05	48.681

570.1	48.68
570.25	48.677
570.7	48.669
571.2	48.66
571.7	48.651
572.2	48.642
572.7	48.633
573.2	48.624
573.7	48.615
574.2	48.606
574.7	48.597
575.	48.591
575.05	48.59
575.1	48.589
575.25	48.587
575.7	48.579
576.2	48.57
576.7	48.561
577.2	48.552
577.7	48.542
578.2	48.533
578.7	48.524
579.2	48.515
579.7	48.506
580.	48.501
580.05	48.5
580.1	48.499
580.25	48.497
580.7	48.488
581.2	48.479
581.7	48.47
582.2	48.461
582.7	48.453
583.2	48.444
583.7	48.435
584.2	48.426
584.7	48.417
585.	48.411
585.05	48.41
585.1	48.409
585.25	48.407
585.7	48.399
586.2	48.39
586.7	48.381
587.2	48.372
587.7	48.363
588.2	48.354
588.7	48.345
589.2	48.336
589.7	48.327
590.	48.322
590.05	48.321
590.1	48.32
590.25	48.318
590.7	48.31
591.2	48.301
591.7	48.292
592.2	48.283
592.7	48.274
593.2	48.266
593.7	

	48.257
594.2	48.248
594.7	48.239
595.	48.234
595.05	48.233
595.1	48.232
595.25	48.23
595.7	48.222
596.2	48.213
596.7	48.204
597.2	48.195
597.7	48.186
598.2	48.178
598.7	48.169
599.2	48.16
599.7	48.151
600.	48.146
601.	48.129
602.	48.111
605.	48.059
614.	47.903
624.	47.73
634.	47.56
644.	47.39
654.	47.221
664.	47.054
674.	46.887
684.	46.722
694.	46.559
700.	46.461
701.	46.445
702.	46.429
705.	46.38
714.	46.235
724.	46.076
734.	45.917
744.	45.759
754.	45.602
764.	45.446
774.	45.291
784.	45.137
794.	44.985
800.	44.894
801.	44.879
802.	44.863
805.	44.818
814.	44.683
824.	44.533
834.	44.384
844.	44.236
854.	44.089
864.	43.943
874.	43.798
884.	43.654
894.	43.511
900.	43.426
901.	43.412
902.	43.397
905.	43.355
914.	43.228
924.	

		43.087
934.		42.947
944.		42.808
954.		42.67
964.		42.533
974.		42.397
984.		42.262
994.		42.127
1000.		42.047
1002.		42.02
1004.		41.993
1010.		41.913
1028.		41.675
1048.		41.415
1068.		41.157
1088.		40.903
1108.		40.651
1128.		40.403
1148.		40.157
1168.		39.914
1188.		39.674
1200.		39.53
1202.		39.507
1204.		39.483
1210.		39.411
1228.		39.2
1248.		38.968
1268.		38.739
1288.		38.512
1308.	22.25	38.287
1328.		38.065
1348.		37.846
1368.		37.629
1388.		37.414
1400.		37.286
1402.		37.265
1404.		37.243
1410.		37.18
1428.		36.991
1448.		36.783
1468.		36.608
1488.		36.558
1508.		36.505
1528.		36.449
1548.		36.39
1568.		36.329
1588.		36.264
1600.		36.224
1602.		36.217
1604.		36.21
1610.		36.188
1628.		36.126
1648.		36.054
1668.		35.981
1688.		35.905
1708.		35.827
1728.		35.748
1748.		35.666
1768.		35.584
1788.		35.499

1800.	22.246	35.447
1802.	22.245	35.438
1804.		35.429
1810.	22.242	35.402
1828.	22.236	35.323
1848.	22.229	35.235
1868.	22.222	35.145
1888.	22.216	35.053
1908.	22.21	34.961
1928.	22.203	34.868
1948.	22.197	34.774
1968.	22.191	34.682
1988.	22.186	34.6
2000.	22.182	34.549
2002.		34.541
2004.	22.181	34.532
2010.	22.179	34.507
2028.	22.174	34.432
2048.	22.169	34.352
2068.	22.164	34.275
2088.	22.159	34.199
2108.	22.154	34.126
2128.	22.149	34.054
2148.	22.144	33.984
2168.	22.139	33.915
2188.	22.135	33.846
2200.	22.132	33.805
2202.		33.799
2204.	22.131	33.792
2210.	22.13	33.772
2228.	22.126	33.712
2248.	22.122	33.646
2268.	22.117	33.58
2288.	22.113	33.515
2308.	22.109	33.451
2328.	22.105	33.386
2348.	22.102	33.322
2368.	22.098	33.257
2388.	22.094	33.193
2400.	22.092	33.155
2402.		33.148
2404.	22.091	33.142
2410.	22.09	33.123
2428.	22.087	33.065
2448.	22.083	33.001
2468.	22.08	32.936
2488.	22.077	32.872
2508.	22.073	32.807
2528.	22.07	32.741
2548.	22.067	32.677
2568.	22.064	32.611
2588.	22.061	32.545
2600.	22.059	32.506
2602.		32.499
2604.		32.493
2610.	22.058	32.473
2628.	22.055	32.414
2648.	22.052	32.346
2668.	22.049	32.28
2688.	22.046	32.213

2708.	22.044	32.145
2728.	22.041	32.077
2748.	22.038	32.01
2768.	22.036	31.941
2788.	22.033	31.873
2800.	22.032	31.831
2802.		31.824
2804.	22.031	31.818
2810.		31.797
2828.	22.028	31.735
2848.	22.026	31.666
2868.	22.024	31.596
2888.	22.021	31.526
2908.	22.019	31.457
2928.	22.017	31.387
2948.	22.014	31.316
2968.	22.012	31.245
2988.	22.01	31.175
3000.	22.009	31.132
3002.		31.125
3004.	22.008	31.118
3010.		31.097
3028.	22.006	31.033
3048.	22.004	30.962
3068.	22.002	30.891
3088.	22.	30.819
3108.	21.998	30.748
3128.	21.996	30.677
3148.	21.994	30.605
3168.	21.992	30.534
3188.	21.99	30.462
3200.	21.989	30.419
3202.		30.412
3204.		30.405
3210.	21.988	30.383
3228.	21.987	30.319
3248.	21.985	30.247
3268.	21.983	30.176
3288.	21.981	30.104
3308.	21.98	30.032
3328.	21.978	29.961
3348.	21.976	29.89
3368.	21.975	29.819
3388.	21.973	29.748
3400.	21.972	29.705
3402.		29.698
3404.		29.691
3410.	21.971	29.669
3428.	21.97	29.605
3448.	21.968	29.535
3468.	21.967	29.464
3488.	21.965	29.394
3508.	21.964	29.324
3528.	21.962	29.254
3548.	21.961	29.183
3568.	21.959	29.114
3588.	21.958	29.044
3600.	21.957	29.003
3602.		28.996
3604.		28.989

3610.	21.956	28.968
3628.	21.955	28.906
3648.	21.954	28.838
3668.	21.951	28.769
3688.	21.949	28.7
3708.	21.947	28.632
3728.	21.945	28.565
3748.	21.943	28.497
3768.	21.94	28.43
3788.	21.938	28.363
3800.	21.937	28.323
3802.		28.317
3804.	21.936	28.31
3810.		28.29
3828.	21.934	28.23
3848.	21.932	28.164
3868.	21.93	28.098
3888.	21.928	28.033
3908.	21.926	27.968
3928.	21.924	27.903
3948.	21.922	27.839
3968.	21.92	27.775
3988.	21.918	27.711
4000.	21.917	27.673
4002.	21.916	27.666
4004.		27.66
4010.		27.641
4028.	21.914	27.584
4048.	21.912	27.522
4068.	21.91	27.459
4088.	21.895	27.397
4108.	21.851	27.336
4128.	21.808	27.274
4148.	21.765	27.213
4168.	21.722	27.153
4188.	21.68	27.093
4200.	21.654	27.057
4202.	21.65	27.051
4204.	21.646	27.045
4210.	21.633	27.027
4228.	21.596	26.973
4248.	21.555	26.914
4268.	21.514	26.855
4288.	21.474	26.797
4308.	21.434	26.739
4328.	21.395	26.681
4348.	21.355	26.624
4368.	21.317	26.567
4388.	21.278	26.51
4400.	21.255	26.476
4402.	21.251	26.471
4404.	21.248	26.465
4410.	21.236	26.448
4428.	21.202	26.398
4448.	21.165	26.343
4468.	21.128	26.288
4488.	21.091	26.233
4508.	21.055	26.179
4528.	21.019	26.125
4548.	20.983	26.072

4568.	20.948	26.019
4588.	20.913	25.966
4600.	20.893	25.935
4602.	20.889	25.93
4604.	20.886	25.924
4610.	20.875	25.909
4628.	20.844	25.862
4648.	20.81	25.811
4668.	20.777	25.76
4688.	20.744	25.71
4708.	20.71	25.66
4728.	20.675	25.61
4748.	20.639	25.561
4768.	20.603	25.512
4788.	20.568	25.464
4800.	20.546	25.435
4802.	20.543	25.43
4804.	20.539	25.425
4810.	20.529	25.411
4828.	20.498	25.369
4848.	20.463	25.321
4868.	20.429	25.275
4888.	20.395	25.229
4908.	20.362	25.183
4928.	20.329	25.138
4948.	20.296	25.093
4968.	20.264	25.048
4988.	20.232	25.005
5000.	20.213	24.978
5002.	20.21	24.974
5004.	20.206	24.97
5010.	20.197	24.957
5028.	20.169	24.918
5048.	20.138	24.875
5068.	20.107	24.833
5088.	20.076	24.81
5108.	20.046	24.803
5128.	20.017	24.797
5148.	19.987	24.791
5168.	19.958	24.785
5188.	19.929	24.779
5200.	19.912	24.775
5202.	19.909	24.774
5204.	19.906	
5210.	19.897	24.772
5228.	19.872	24.766
5248.	19.844	24.76
5268.	19.816	24.754
5288.	19.788	24.748
5308.	19.761	24.742
5328.	19.734	24.736
5348.	19.708	24.73
5368.	19.681	24.724
5388.	19.655	24.718
5400.	19.639	24.715
5402.	19.637	24.714
5404.	19.634	
5410.	19.626	24.712
5428.	19.603	24.706
5448.	19.578	24.701

5468.	19.553	24.696
5488.	19.528	24.691
5508.	19.503	24.686
5528.	19.479	24.681
5548.	19.455	24.677
5568.	19.431	24.672
5588.	19.408	24.667
5600.	19.393	24.664
5602.	19.391	24.663
5604.	19.389	
5610.	19.382	24.661
5628.	19.361	24.657
5648.	19.338	24.652
5668.	19.315	24.647
5688.	19.293	24.642
5708.	19.271	24.637
5728.	19.249	24.633
5748.	19.227	24.628
5768.	19.205	24.624
5788.	19.184	24.619
5800.	19.171	24.616
5802.	19.169	
5804.	19.167	24.615
5810.	19.16	24.614
5828.	19.142	24.61
5848.	19.121	24.605
5868.	19.1	24.601
5888.	19.08	24.596
5908.	19.06	24.592
5928.	19.04	24.587
5948.	19.02	24.582
5968.	19.001	24.578
5988.	18.982	24.573
6000.	18.97	24.57
6002.	18.968	
6004.	18.966	24.569
6010.	18.96	24.568
6028.	18.943	24.565
6048.	18.925	24.561
6068.	18.906	24.557
6088.	18.888	24.553
6108.	18.87	24.55
6128.	18.852	24.546
6148.	18.834	24.542
6168.	18.816	24.538
6188.	18.799	24.535
6200.	18.788	24.532
6202.	18.787	
6204.	18.785	
6210.	18.78	24.53
6228.	18.764	24.527
6248.	18.747	24.523
6268.	18.73	24.52
6288.	18.714	24.516
6308.	18.697	24.512
6328.	18.681	24.509
6348.	18.665	24.505
6368.	18.649	24.501
6388.	18.633	24.498
6400.	18.624	

6402.	18.622	24.495
6404.	18.621	
6410.	18.616	24.493
6428.	18.602	24.49
6448.	18.587	24.486
6468.	18.572	24.483
6488.	18.557	24.479
6508.	18.542	24.475
6528.	18.527	24.471
6548.	18.512	24.468
6568.	18.498	24.464
6588.	18.484	24.46
6600.	18.475	24.459
6602.	18.474	24.458
6604.	18.472	
6610.	18.468	24.457
6628.	18.455	24.454
6648.	18.441	24.452
6668.	18.428	24.449
6688.	18.414	24.446
6708.	18.401	24.443
6728.	18.387	24.44
6748.	18.374	24.437
6768.	18.361	24.434
6788.	18.348	24.431
6800.	18.34	24.429
6802.	18.339	
6804.	18.338	24.428
6810.	18.334	24.427
6828.	18.323	24.425
6848.	18.31	24.422
6868.	18.298	24.419
6888.	18.285	24.416
6908.	18.273	24.413
6928.	18.261	24.409
6948.	18.249	24.406
6968.	18.237	24.403
6988.	18.226	24.4
7000.	18.219	24.398
7002.	18.217	
7004.	18.216	
7010.	18.213	24.397
7028.	18.202	24.394
7048.	18.191	24.391
7068.	18.18	24.388
7088.	18.169	24.385
7108.	18.158	24.383
7128.	18.147	24.38
7148.	18.136	24.377
7168.	18.125	24.374
7188.	18.115	24.372
7200.	18.108	24.37

FIGURE 14
Model (M4) > Transient Thermal (M5) > Solution (M6) > Drum Content T

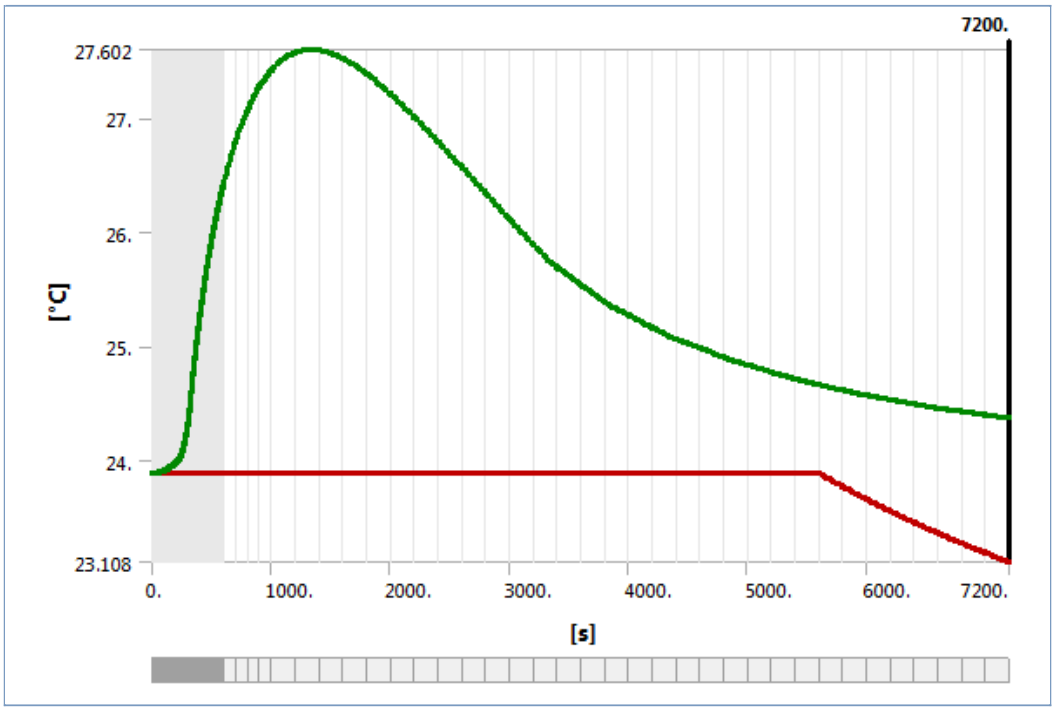

TABLE 25
Model (M4) > Transient Thermal (M5) > Solution (M6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		

5.08			
5.28			
5.48			
5.68			
5.88			
6.			
6.02			
6.04			
6.1			
6.28			
6.48			
6.68			
6.88			
7.08			
7.28			
7.48			
7.68			
7.88			
8.			
8.02			
8.04			
8.1			
8.28			
8.48			
8.68			
8.88			
9.08			
9.28			
9.48			
9.68			
9.88			
10.			
10.02			
10.04			
10.1			
10.28			
10.48			
10.68			
10.88			
11.08			
11.28			
11.48			
11.68			
11.88			
12.			
12.02			
12.04			
12.1			
12.28			
12.48			
12.68			
12.88			
13.08			
13.28			
13.48			
13.68			
13.88			
14.			
14.02			
14.04			
14.1			

14.28
14.48
14.68
14.88
15.08
15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.
20.02
20.04
20.1
20.28
20.48
20.68
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310.94	24.404

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311.84	24.413
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313.64	24.431
313.74	24.432
313.84	24.433
313.94	24.434
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314.64	24.441
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316.74	24.463
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324.64	24.548
324.74	24.55

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325.94	24.563
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326.02	
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326.24	24.566
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326.84	24.572
326.94	24.573
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327.02	
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333.64	24.645
333.74	24.646
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333.94	24.649
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334.44	24.654
334.54	24.655
334.64	24.656
334.74	24.657
334.84	24.658
334.94	24.659
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335.05	
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335.64	24.666
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338.54	24.697

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342.94	24.742
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343.05	

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343.74	24.75
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347.84	24.792

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354.44	24.857
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355.05	24.863
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356.94	24.881
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361.64	24.925

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363.94	24.947
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443.94	25.586
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463.74	25.717
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467.84	25.743

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527.74	
527.84	26.086

527.94	
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529.84	
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541.64	

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605.	26.445
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624.	26.522
634.	26.561
644.	26.599
654.	26.636
664.	26.672
674.	26.707

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702.		26.799
705.		26.809

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801.		27.072
802.		27.075
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1968.	27.246
1988.	27.227
2000.	27.215
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4908.	24.864
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4948.	24.852
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5604.	23.885	
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5628.	23.871	24.657
5648.	23.859	24.652
5668.	23.847	24.647
5688.	23.836	24.642
5708.	23.824	24.637
5728.	23.812	24.633
5748.	23.801	24.628
5768.	23.789	24.624
5788.	23.778	24.619
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5802.	23.77	
5804.	23.769	24.615
5810.	23.765	24.614
5828.	23.755	24.61
5848.	23.744	24.605
5868.	23.733	24.601
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5908.	23.711	24.592
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5948.	23.689	24.582
5968.	23.678	24.578
5988.	23.667	24.573

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6088.	23.614	24.553
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6188.	23.562	24.535
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6248.	23.532	24.523
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6308.	23.502	24.512
6328.	23.492	24.509
6348.	23.482	24.505
6368.	23.472	24.501
6388.	23.463	24.498
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6428.	23.443	24.49
6448.	23.434	24.486
6468.	23.424	24.483
6488.	23.415	24.479
6508.	23.405	24.475
6528.	23.396	24.471
6548.	23.387	24.468
6568.	23.377	24.464
6588.	23.368	24.46
6600.	23.363	24.459
6602.	23.362	24.458
6604.	23.361	
6610.	23.358	24.457
6628.	23.35	24.454
6648.	23.341	24.452
6668.	23.332	24.449
6688.	23.323	24.446
6708.	23.314	24.443
6728.	23.305	24.44
6748.	23.296	24.437
6768.	23.287	24.434
6788.	23.279	24.431
6800.	23.273	24.429
6802.		
6804.	23.272	24.428
6810.	23.269	24.427
6828.	23.261	24.425
6848.	23.253	24.422
6868.	23.244	24.419
6888.	23.236	24.416

6908.	23.227	24.413
6928.	23.219	24.409
6948.	23.21	24.406
6968.	23.202	24.403
6988.	23.194	24.4
7000.	23.189	24.398
7002.	23.188	
7004.	23.187	
7010.	23.185	24.397
7028.	23.177	24.394
7048.	23.169	24.391
7068.	23.161	24.388
7088.	23.153	24.385
7108.	23.145	24.383
7128.	23.137	24.38
7148.	23.129	24.377
7168.	23.121	24.374
7188.	23.113	24.372
7200.	23.108	24.37

FIGURE 15
Model (M4) > Transient Thermal (M5) > Solution (M6) > Permacon T

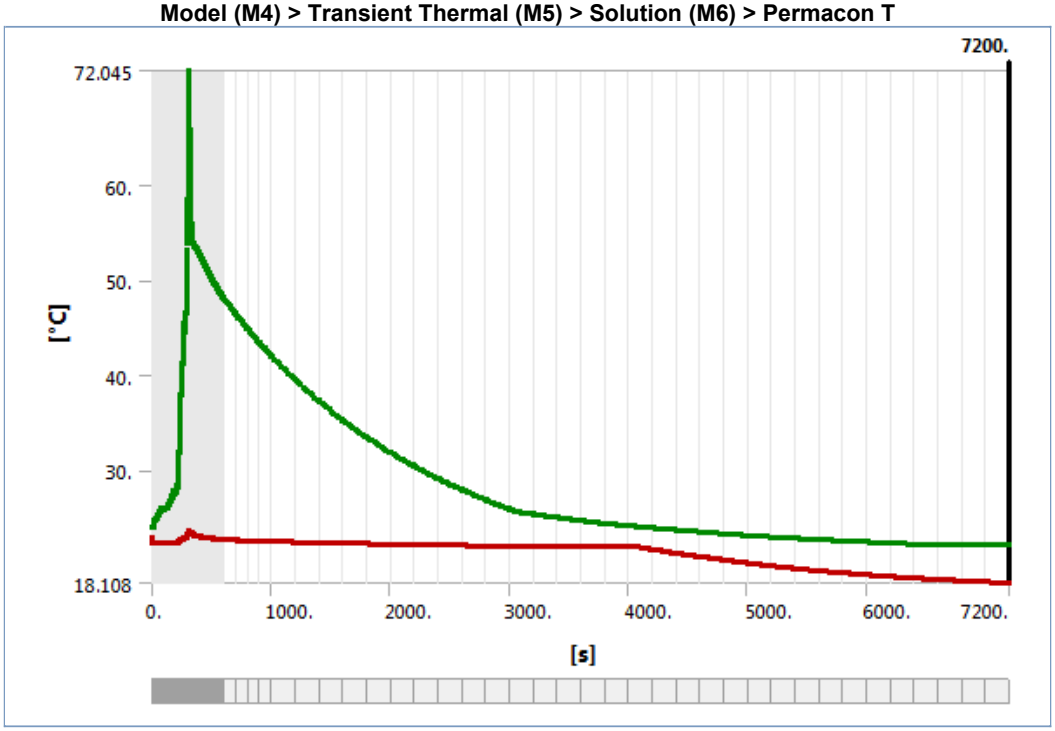

TABLE 26
Model (M4) > Transient Thermal (M5) > Solution (M6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.847	24.005
4.e-002	22.636	24.031
0.1	22.512	24.011
0.28	22.443	24.032
0.48	22.417	24.036
0.68	22.403	24.035
0.88	22.394	24.032
1.08	22.387	24.028
1.28	22.382	24.023
1.48	22.378	24.018
1.68	22.375	24.013

1.88	22.371	24.008
2.	22.37	24.005
2.02		24.004
2.04	22.369	24.003
2.1		24.002
2.28	22.366	23.997
2.48	22.364	23.991
2.68	22.362	23.986
2.88	22.361	23.98
3.08	22.359	23.975
3.28	22.357	23.97
3.48	22.356	23.964
3.68	22.355	23.96
3.88	22.353	23.959
4.		
4.02	22.352	
4.04		
4.1		
4.28	22.351	23.958
4.48	22.35	23.957
4.68	22.349	
4.88	22.348	23.956
5.08	22.346	23.955
5.28	22.345	
5.48	22.344	23.954
5.68		
5.88	22.343	
6.	22.342	
6.02		
6.04		
6.1		
6.28	22.341	
6.48	22.34	23.953
6.68	22.339	
6.88	22.338	
7.08	22.337	
7.28		
7.48	22.336	23.952
7.68	22.335	
7.88	22.334	
8.		
8.02		
8.04		
8.1		23.951
8.28	22.333	
8.48	22.332	
8.68		23.95
8.88	22.331	
9.08	22.33	
9.28		23.949
9.48	22.329	
9.68	22.328	23.948
9.88		
10.		
10.02	22.327	
10.04		
10.1		23.947
10.28		
10.48	22.326	
10.68		23.946

10.88	22.325	
11.08	22.324	23.945
11.28		
11.48	22.323	23.944
11.68		
11.88	22.322	23.943
12.		
12.02		
12.04		
12.1		23.942
12.28		
12.48	22.321	23.941
12.68		
12.88	22.32	23.94
13.08		
13.28	22.319	23.939
13.48		
13.68		23.938
13.88	22.318	
14.		
14.02		23.937
14.04		
14.1		
14.28		
14.48		23.949
14.68		23.979
14.88	22.317	24.011
15.08		24.046
15.28		24.083
15.48		24.123
15.68		24.167
15.88	22.318	24.214
16.		24.243
16.02		24.247
16.04		24.252
16.1		24.263
16.28		24.293
16.48		24.322
16.68	22.319	24.347
16.88		24.37
17.08	22.32	24.391
17.28		24.41
17.48		24.427
17.68	22.321	24.443
17.88		24.458
18.		24.466
18.02		24.468
18.04		24.469
18.1		24.475
18.28	22.322	24.492
18.48		24.512
18.68		24.533
18.88	22.323	24.555
19.08		24.578
19.28		24.601
19.48		24.625
19.68	22.324	24.649
19.88		24.673
20.		24.688
20.02		24.69

20.04		24.692
20.1		24.698
20.28	22.325	24.711
20.48		24.722
20.68		24.73
20.88	22.326	24.736
21.08		24.741
21.28		24.743
21.48		24.744
21.68	22.327	24.743
21.88		24.741
22.		24.74
22.02		24.739
22.04		
22.1		
22.28		24.741
22.48		24.745
22.68		24.749
22.88		24.754
23.08		24.76
23.28		24.766
23.48		24.772
23.68		24.778
23.88		24.784
24.		24.788
24.02		24.789
24.04		
24.1		24.791
24.28		24.793
24.48		
24.68		
24.88		24.792
25.08		24.789
25.28		24.786
25.48		24.782
25.68		24.777
25.88		24.772
26.		24.769
26.02		24.768
26.04		
26.1		
26.28		24.772
26.48		24.778
26.68		24.788
26.88	22.326	24.799
27.08		24.812
27.28		24.826
27.48		24.842
27.68		24.858
27.88		24.876
28.		24.887
28.02		24.889
28.04		24.891
28.1		24.895
28.28		24.904
28.48		24.911
28.68		24.916
28.88		24.92
29.08		24.922
29.28		24.924

29.48		
29.68		24.923
29.88		24.921
30.		24.92
30.02		
30.04		
30.1		
30.28		24.921
30.48		24.922
30.68		24.925
30.88		24.927
31.08		24.93
31.28	22.327	24.934
31.48		24.937
31.68		24.941
31.88		24.944
32.		24.947
32.02		
32.04		
32.1		24.948
32.28		
32.48		24.947
32.68		24.945
32.88		24.942
33.08		24.938
33.28		24.934
33.48		24.929
33.68		24.923
33.88		24.917
34.		24.913
34.02		
34.04	22.326	24.912
34.1		24.911
34.28		24.909
34.48		24.908
34.68		
34.88		24.909
35.08		24.91
35.28		24.912
35.48		24.914
35.68		24.916
35.88		24.919
36.		24.921
36.02		
36.04		
36.1		24.922
36.28		24.925
36.48		24.928
36.68	22.325	24.931
36.88		24.934
37.08		24.937
37.28		24.94
37.48		24.943
37.68		24.946
37.88		24.95
38.		24.952
38.02		
38.04		
38.1		24.953
38.28		24.955

38.48		24.956
38.68		24.957
38.88		24.958
39.08		24.959
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		
40.1		24.96
40.28	22.324	24.965
40.48		24.972
40.68		24.981
40.88		24.992
41.08		25.003
41.28		25.016
41.48		25.029
41.68		25.043
41.88		25.059
42.		25.068
42.02		25.069
42.04		25.071
42.1		25.075
42.28		25.084
42.48		25.093
42.68		25.101
42.88	22.325	25.108
43.08		25.114
43.28		25.12
43.48		25.125
43.68		25.13
43.88		25.135
44.		25.137
44.02		25.138
44.04		
44.1	22.326	25.139
44.28		25.141
44.48		25.142
44.68		25.143
44.88		
45.08		
45.28		25.142
45.48		25.141
45.68		25.139
45.88		25.137
46.		25.136
46.02		25.135
46.04		
46.1		
46.28		25.134
46.48		
46.68		25.133
46.88		
47.08		25.134
47.28		
47.48		
47.68		25.135
47.88		

48.		
48.02		25.136
48.04		
48.1		
48.28		25.14
48.48		25.145
48.68		25.152
48.88		25.159
49.08		25.167
49.28		25.176
49.48	22.327	25.185
49.68		25.195
49.88		25.206
50.		25.212
50.02		25.213
50.04		25.214
50.1		25.217
50.28		25.225
50.48		25.233
50.68		25.24
50.88		25.248
51.08		25.255
51.28		25.262
51.48		25.269
51.68		25.276
51.88		25.282
52.		25.286
52.02	22.328	25.287
52.04		
52.1		25.289
52.28		25.292
52.48		25.293
52.68		25.294
52.88		
53.08		25.293
53.28		25.291
53.48		25.289
53.68		25.286
53.88		25.283
54.		25.281
54.02		25.28
54.04		
54.1		25.279
54.28		25.277
54.48		25.276
54.68		25.274
54.88	22.329	25.273
55.08		
55.28		25.272
55.48		
55.68		25.271
55.88		25.27
56.		
56.02		
56.04		
56.1		25.271
56.28		25.273
56.48		25.277
56.68		25.282
56.88		25.288

57.08		25.294
57.28		25.301
57.48		25.308
57.68		25.316
57.88		25.325
58.		25.33
58.02		25.331
58.04		25.332
58.1		25.334
58.28		25.34
58.48		25.347
58.68		25.353
58.88		25.359
59.08		25.365
59.28	22.33	25.37
59.48		25.376
59.68		25.381
59.88		25.386
60.		25.389
60.02		
60.04		25.39
60.1		25.391
60.28		25.394
60.48		25.396
60.68		25.397
60.88		25.398
61.08	22.331	
61.28		
61.48		25.397
61.68		25.396
61.88		25.395
62.		25.394
62.02		
62.04		
62.1		25.395
62.28		25.397
62.48		25.402
62.68		25.407
62.88		25.413
63.08		25.42
63.28		25.427
63.48		25.435
63.68		25.444
63.88		25.454
64.		25.46
64.02		25.461
64.04		25.462
64.1		25.465
64.28		25.478
64.48	22.332	25.493
64.68		25.509
64.88		25.527
65.08		25.546
65.28		25.566
65.48	22.333	25.587
65.68		25.608
65.88		25.631
66.		25.644
66.02		25.647
66.04		25.649

66.1		25.654
66.28	22.334	25.664
66.48		25.673
66.68		25.679
66.88	22.335	25.682
67.08		25.684
67.28		
67.48		25.683
67.68	22.336	25.68
67.88		25.677
68.		25.674
68.02		25.673
68.04		
68.1		
68.28		25.675
68.48		25.679
68.68	22.337	25.684
68.88		25.691
69.08		25.698
69.28		25.706
69.48		25.715
69.68		25.725
69.88		25.734
70.		25.741
70.02	22.338	
70.04		25.742
70.1		25.745
70.28		25.75
70.48		25.754
70.68		25.758
70.88		25.761
71.08		25.763
71.28		25.764
71.48	22.339	25.765
71.68		
71.88		
72.		
72.02		
72.04		
72.1		25.766
72.28		25.769
72.48		25.775
72.68		25.782
72.88		25.79
73.08		25.799
73.28	22.34	25.809
73.48		25.819
73.68		25.829
73.88		25.841
74.		25.847
74.02		25.849
74.04		25.85
74.1		25.853
74.28		25.861
74.48		25.869
74.68	22.341	25.876
74.88		25.884
75.08		25.89
75.28		25.897
75.48		25.903

75.68		25.91
75.88		25.916
76.		25.919
76.02		25.92
76.04		
76.1	22.342	25.921
76.28		25.923
76.48		25.924
76.68		25.923
76.88		25.922
77.08		25.919
77.28		25.916
77.48		25.912
77.68		25.907
77.88		25.902
78.		25.898
78.02		
78.04		25.897
78.1		
78.28		25.896
78.48		
78.68		25.897
78.88		25.9
79.08	22.343	25.903
79.28		25.906
79.48		25.91
79.68		25.915
79.88		25.919
80.		25.922
80.02		25.923
80.04		
80.1		25.924
80.28		25.927
80.48		25.928
80.68		25.929
80.88		25.93
81.08		
81.28		
81.48		25.929
81.68		25.928
81.88		25.927
82.		25.926
82.02		
82.04		
82.1		25.925
82.28		25.922
82.48		25.918
82.68	22.344	25.914
82.88		25.908
83.08		25.902
83.28		25.896
83.48		25.89
83.68		25.884
83.88		25.877
84.		25.873
84.02		
84.04		25.872
84.1		25.87
84.28		25.866
84.48		25.863

84.68		25.86
84.88		25.857
85.08		25.855
85.28		25.852
85.48		25.851
85.68		25.849
85.88	22.343	25.847
86.		
86.02		25.846
86.04		
86.1		
86.28		25.847
86.48		25.848
86.68		25.85
86.88		25.853
87.08		25.856
87.28		25.859
87.48		25.863
87.68		25.867
87.88		25.872
88.		25.875
88.02		
88.04		
88.1		25.876
88.28		25.877
88.48		
88.68		25.876
88.88		25.875
89.08		25.873
89.28		25.87
89.48		25.867
89.68		25.864
89.88		25.86
90.		25.858
90.02		
90.04		25.857
90.1	22.342	25.856
90.28		25.854
90.48		25.851
90.68		25.848
90.88		25.845
91.08		25.843
91.28		25.84
91.48		25.838
91.68		25.835
91.88		25.832
92.		25.831
92.02		25.83
92.04		
92.1		
92.28		
92.48		25.832
92.68		25.834
92.88		25.837
93.08		25.84
93.28		25.844
93.48		25.849
93.68		25.854
93.88		25.859
94.		25.862

94.02	25.863
94.04	
94.1	25.865
94.28	25.867
94.48	25.869
94.68	25.87
94.88	25.871
95.08	
95.28	
95.48	
95.68	25.87
95.88	
96.	25.869
96.02	
96.04	
96.1	
96.28	
96.48	
96.68	
96.88	
97.08	25.87
97.28	
97.48	25.871
97.68	
97.88	25.872
98.	
98.02	
98.04	
98.1	
98.28	
98.48	
98.68	
98.88	
99.08	25.871
99.28	25.87
99.48	
99.68	25.869
99.88	25.868
100.	
100.02	25.867
100.04	
100.1	
100.28	
100.48	25.866
100.68	
100.88	25.865
101.08	
101.28	25.864
101.48	
101.68	25.863
101.88	
102.	
102.02	
102.04	
102.1	
102.28	25.862
102.48	
102.68	
102.88	
103.08	

103.28		25.861
103.48		
103.68		
103.88		25.86
104.		
104.02		
104.04		
104.1		
104.28		25.861
104.48		
104.68		25.862
104.88		25.863
105.08		25.864
105.28		25.865
105.48		25.866
105.68		25.867
105.88		25.868
106.		25.869
106.02		
106.04	22.343	25.87
106.1		
106.28		25.872
106.48		25.875
106.68		25.879
106.88		25.882
107.08		25.886
107.28		25.89
107.48		25.895
107.68		25.899
107.88		25.904
108.		25.907
108.02		25.908
108.04		
108.1		25.91
108.28		25.916
108.48		25.923
108.68		25.93
108.88		25.938
109.08		25.947
109.28		25.955
109.48	22.344	25.964
109.68		25.974
109.88		25.983
110.		25.989
110.02		25.99
110.04		25.991
110.1		25.994
110.28		26.001
110.48		26.008
110.68		26.014
110.88	22.345	26.021
111.08		26.027
111.28		26.032
111.48		26.038
111.68		26.043
111.88		26.048
112.		26.051
112.02		
112.04		26.052
112.1		

112.28	22.346	26.053
112.48		26.052
112.68		26.049
112.88		26.045
113.08		26.041
113.28		26.035
113.48		26.028
113.68		26.021
113.88	22.347	26.013
114.		26.008
114.02		26.007
114.04		
114.1		26.005
114.28		26.
114.48		25.995
114.68	22.346	25.991
114.88		25.987
115.08		25.984
115.28		25.98
115.48		25.977
115.68		25.974
115.88		25.972
116.		25.97
116.02		
116.04		
116.1		25.969
116.28		25.97
116.48		25.973
116.68		25.976
116.88		25.98
117.08		25.986
117.28		25.991
117.48		25.998
117.68		26.005
117.88		26.013
118.		26.018
118.02		
118.04		26.019
118.1		26.021
118.28		26.026
118.48		26.031
118.68		26.036
118.88		26.041
119.08		26.045
119.28		26.049
119.48		26.053
119.68		26.057
119.88		26.061
120.	22.347	26.063
120.02		
120.04		26.064
120.1		26.065
120.28		26.068
120.48		26.07
120.68		26.073
120.88		26.075
121.08		26.078
121.28		26.08
121.48		26.082
121.68		26.084

121.88		26.085
122.		26.086
122.02		
122.04		26.087
122.1		
122.28		
122.48	22.348	
122.68		
122.88		26.086
123.08		26.085
123.28		26.084
123.48		26.082
123.68		26.08
123.88		26.078
124.		26.077
124.02		
124.04		26.076
124.1		
124.28		26.075
124.48		
124.68		
124.88		
125.08		26.076
125.28		
125.48		26.077
125.68		26.078
125.88		26.079
126.		
126.02		26.08
126.04		
126.1		26.081
126.28		26.087
126.48		26.096
126.68		26.107
126.88		26.118
127.08		26.132
127.28		26.146
127.48		26.161
127.68		26.178
127.88		26.195
128.	22.349	26.206
128.02		26.207
128.04		26.209
128.1		26.212
128.28		26.22
128.48		26.225
128.68		26.228
128.88		26.229
129.08	22.35	
129.28		26.227
129.48		26.224
129.68		26.22
129.88		26.215
130.		26.212
130.02		26.211
130.04		
130.1		26.209
130.28		26.207
130.48		26.205
130.68		26.204

130.88		26.203
131.08		26.202
131.28		26.201
131.48		
131.68		26.2
131.88		
132.		
132.02		
132.04		
132.1		26.199
132.28	22.351	26.196
132.48		26.191
132.68		26.185
132.88		26.178
133.08		26.171
133.28		26.163
133.48		26.154
133.68		26.145
133.88		26.135
134.		26.129
134.02		26.128
134.04		
134.1		26.126
134.28		26.125
134.48		26.126
134.68		26.129
134.88		26.134
135.08		26.141
135.28		26.149
135.48		26.158
135.68		26.168
135.88	22.35	26.18
136.		26.187
136.02		26.188
136.04		26.189
136.1		26.193
136.28		26.204
136.48		26.217
136.68		26.23
136.88		26.244
137.08		26.259
137.28		26.274
137.48		26.29
137.68		26.306
137.88		26.323
138.	22.351	26.333
138.02		26.334
138.04		26.336
138.1		26.339
138.28		26.346
138.48		26.35
138.68	22.352	26.352
138.88		26.353
139.08		26.351
139.28		26.348
139.48		26.343
139.68		26.337
139.88	22.353	26.33
140.		26.326
140.02		26.325

140.04		
140.1		26.324
140.28		26.327
140.48		26.332
140.68		26.341
140.88		26.351
141.08		26.362
141.28		26.376
141.48		26.39
141.68		26.406
141.88	22.354	26.422
142.		26.433
142.02		26.434
142.04		26.436
142.1		26.439
142.28		26.447
142.48		26.453
142.68		26.456
142.88	22.355	26.458
143.08		26.459
143.28		26.458
143.48		26.456
143.68		26.454
143.88		26.45
144.		26.448
144.02		
144.04	22.356	26.447
144.1		
144.28		26.448
144.48		26.451
144.68		26.455
144.88		26.46
145.08		26.465
145.28		26.472
145.48		26.478
145.68		26.486
145.88		26.494
146.	22.357	26.498
146.02		26.499
146.04		26.5
146.1		26.502
146.28		26.506
146.48		26.511
146.68		26.514
146.88		26.517
147.08		26.52
147.28		26.522
147.48		26.524
147.68		26.526
147.88	22.358	26.527
148.		
148.02		26.528
148.04		
148.1		26.529
148.28		26.531
148.48		26.534
148.68		26.537
148.88		26.541
149.08		26.545
149.28		26.548

149.48		26.552
149.68		26.556
149.88		26.56
150.		26.563
150.01		
150.02		
150.05		26.564
150.14	22.359	26.566
150.24		26.569
150.34		26.572
150.44		26.575
150.54		26.579
150.64		26.582
150.74		26.586
150.84		26.59
150.94		26.593
151.		26.596
151.01		
151.02		26.597
151.05		26.598
151.14		26.605
151.24		26.614
151.34		26.623
151.44		26.634
151.54	22.36	26.646
151.64		26.658
151.74		26.671
151.84		26.685
151.94		26.7
152.		26.708
152.01		26.71
152.02		26.711
152.05		26.715
152.14		26.722
152.24		26.728
152.34		26.733
152.44		26.736
152.54	22.361	26.738
152.64		26.739
152.74		
152.84		26.738
152.94		26.736
153.		26.735
153.01		
153.02		
153.05	22.362	26.734
153.14		26.731
153.24		26.727
153.34		26.722
153.44		26.716
153.54		26.71
153.64		26.703
153.74		26.696
153.84		26.688
153.94		26.68
154.		26.674
154.01		
154.02		26.673
154.05		26.671
154.14		26.67

154.24	22.363	26.672
154.34		26.676
154.44		26.681
154.54		26.688
154.64		26.696
154.74		26.705
154.84		26.716
154.94		26.727
155.		26.734
155.01		26.735
155.02		26.736
155.05		26.74
155.14		26.75
155.24		26.761
155.34		26.772
155.44		26.784
155.54		26.796
155.64		26.808
155.74	22.364	26.82
155.84		26.832
155.94		26.845
156.		26.853
156.01		26.854
156.02		26.855
156.05		26.858
156.14		26.865
156.24		26.87
156.34		26.873
156.44		26.875
156.54	22.365	26.876
156.64		
156.74		26.874
156.84		26.872
156.94		26.87
157.		26.868
157.01		
157.02		26.867
157.05		
157.14	22.366	26.866
157.24		26.865
157.34		
157.44		
157.54		
157.64		
157.74		
157.84		
157.94		
158.		
158.01		
158.02		
158.05	22.367	26.866
158.14		
158.24		26.867
158.34		26.868
158.44		26.87
158.54		26.871
158.64		26.872
158.74		26.874
158.84		26.875
158.94		26.877

159.		
159.01		26.878
159.02		
159.05		26.879
159.14		26.882
159.24		26.886
159.34		26.891
159.44		26.896
159.54		26.902
159.64		26.907
159.74		26.914
159.84		26.92
159.94		26.927
160.		26.931
160.01		26.932
160.02		26.933
160.05	22.368	26.935
160.14		26.944
160.24		26.954
160.34		26.966
160.44		26.978
160.54		26.991
160.64		27.004
160.74		27.019
160.84		27.033
160.94		27.048
161.		27.058
161.01		27.059
161.02	22.369	27.061
161.05		27.064
161.14		27.07
161.24		27.073
161.34		27.074
161.44		27.072
161.54		27.069
161.64		27.064
161.74		27.058
161.84	22.37	27.051
161.94		27.042
162.		27.036
162.01		
162.02		27.035
162.05		27.033
162.14		27.028
162.24		27.025
162.34		27.022
162.44		27.02
162.54		27.018
162.64		27.017
162.74		27.016
162.84	22.371	27.015
162.94		
163.		27.014
163.01		
163.02		
163.05		
163.14		27.015
163.24		27.016
163.34		27.017
163.44		27.019

163.54		27.021
163.64		27.023
163.74		27.026
163.84		27.028
163.94		27.031
164.		27.033
164.01		
164.02		27.034
164.05		27.035
164.14		27.042
164.24		27.052
164.34	22.372	27.064
164.44		27.077
164.54		27.091
164.64		27.106
164.74		27.122
164.84		27.139
164.94		27.157
165.		27.169
165.01		27.17
165.02		27.172
165.05		27.177
165.14		27.19
165.24		27.203
165.34		27.215
165.44	22.373	27.226
165.54		27.237
165.64		27.247
165.74		27.257
165.84		27.266
165.94		27.275
166.		27.281
166.01	22.374	27.282
166.02		
166.05		27.284
166.14		27.287
166.24		27.288
166.34		27.287
166.44		27.284
166.54	22.375	27.28
166.64		27.274
166.74		27.268
166.84		27.26
166.94		27.251
167.		27.246
167.01		27.245
167.02	22.376	27.244
167.05		27.242
167.14		27.237
167.24		27.233
167.34		27.23
167.44		27.228
167.54		27.226
167.64		27.225
167.74		27.223
167.84		27.222
167.94		
168.		27.221
168.01		
168.02		

168.05		27.22
168.14		27.217
168.24		27.212
168.34		27.206
168.44		27.199
168.54		27.191
168.64		27.183
168.74		27.174
168.84		27.165
168.94		27.155
169.		27.149
169.01		27.148
169.02		27.147
169.05		27.146
169.14		27.149
169.24	22.377	27.157
169.34		27.169
169.44		27.184
169.54		27.202
169.64		27.222
169.74		27.244
169.84		27.269
169.94		27.295
170.		27.312
170.01		27.314
170.02		27.317
170.05		27.324
170.14		27.343
170.24		27.361
170.34		27.379
170.44		27.396
170.54		27.411
170.64		27.427
170.74		27.442
170.84	22.378	27.457
170.94		27.471
171.		27.48
171.01		27.481
171.02		27.482
171.05		27.485
171.14	22.379	27.49
171.24		27.493
171.34		
171.44		27.49
171.54		27.486
171.64	22.38	27.48
171.74		27.473
171.84		27.464
171.94		27.453
172.		27.447
172.01		27.446
172.02	22.381	27.445
172.05		27.442
172.14		27.439
172.24		27.436
172.34		
172.44		
172.54		27.438
172.64		27.44
172.74		27.443

172.84	22.382	27.447
172.94		27.451
173.		27.453
173.01		27.454
173.02		
173.05		27.455
173.14		27.457
173.24		27.46
173.34		27.462
173.44		27.463
173.54	22.383	27.465
173.64		27.466
173.74		27.468
173.84		27.469
173.94		27.47
174.		
174.01		27.471
174.02		
174.05		
174.14		27.475
174.24		27.479
174.34		27.484
174.44		27.49
174.54		27.496
174.64		27.503
174.74	22.384	27.51
174.84		27.517
174.94		27.525
175.		27.53
175.01		27.531
175.02		
175.05		27.533
175.14		27.537
175.24		27.54
175.34		27.542
175.44		27.543
175.54		27.544
175.64		
175.74		27.543
175.84	22.385	27.542
175.94		27.541
176.		27.54
176.01		27.539
176.02		
176.05		27.54
176.14		27.545
176.24		27.553
176.34		27.563
176.44		27.575
176.54		27.588
176.64		27.602
176.74		27.618
176.84	22.386	27.635
176.94		27.652
177.		27.663
177.01		27.665
177.02		27.666
177.05		27.67
177.14		27.678
177.24		27.683

177.34		27.686
177.44		27.687
177.54	22.387	27.686
177.64		27.683
177.74		27.679
177.84		27.674
177.94		27.668
178.		27.663
178.01		
178.02		27.662
178.05		
178.14	22.388	
178.24		27.666
178.34		27.671
178.44		27.678
178.54		27.687
178.64		27.696
178.74		27.707
178.84		27.718
178.94		27.73
179.	22.389	27.738
179.01		27.739
179.02		27.74
179.05		27.742
179.14		
179.24		27.737
179.34		27.73
179.44		27.719
179.54		27.706
179.64		27.69
179.74		27.673
179.84	22.39	27.654
179.94		27.633
180.		27.619
180.01		27.617
180.02		27.615
180.05		27.61
180.14		27.599
180.24		27.59
180.34		27.583
180.44		27.578
180.54		27.574
180.64		27.571
180.74		27.57
180.84		27.569
180.94		
181.		27.57
181.01		
181.02		
181.05		
181.14		27.572
181.24		27.574
181.34		27.576
181.44		27.58
181.54		27.584
181.64		27.588
181.74		27.593
181.84		27.598
181.94		27.603
182.		27.607

182.01		
182.02		27.608
182.05		27.609
182.14		27.613
182.24		27.616
182.34		27.619
182.44		27.621
182.54		27.623
182.64		27.625
182.74		27.627
182.84		27.629
182.94	22.389	27.631
183.		27.632
183.01		
183.02		
183.05		27.633
183.14		27.638
183.24		27.646
183.34		27.654
183.44		27.664
183.54		27.674
183.64		27.686
183.74		27.698
183.84		27.711
183.94		27.724
184.		27.733
184.01		27.734
184.02		27.735
184.05		27.738
184.14	22.39	27.742
184.24		27.745
184.34		27.744
184.44		27.742
184.54		27.738
184.64		27.733
184.74		27.726
184.84		27.719
184.94		27.71
185.		27.704
185.01		27.703
185.02		27.702
185.05		27.7
185.14		27.697
185.24		27.695
185.34		27.694
185.44		
185.54		27.695
185.64	22.391	27.697
185.74		27.699
185.84		27.702
185.94		27.706
186.		27.708
186.01		
186.02		
186.05		
186.14		27.705
186.24		27.7
186.34		27.692
186.44		27.683
186.54		27.673

186.64		27.661
186.74		27.648
186.84		27.635
186.94		27.62
187.	22.392	27.611
187.01		27.609
187.02		27.608
187.05		27.604
187.14		27.595
187.24		27.586
187.34		27.579
187.44		27.572
187.54		27.566
187.64		27.561
187.74		27.556
187.84		27.552
187.94		27.548
188.	22.391	27.545
188.01		
188.02		
188.05		27.543
188.14		27.539
188.24		27.535
188.34		27.531
188.44		27.526
188.54		27.522
188.64		27.518
188.74		27.513
188.84		27.509
188.94		27.505
189.		27.503
189.01	22.39	27.502
189.02		
189.05		27.501
189.14		27.502
189.24		27.505
189.34		27.51
189.44		27.516
189.54		27.523
189.64		27.531
189.74		27.541
189.84		27.551
189.94		27.562
190.		27.569
190.01		27.57
190.02		27.571
190.05		27.574
190.14		27.582
190.24		27.589
190.34	22.389	27.597
190.44		27.604
190.54		27.611
190.64		27.618
190.74		27.624
190.84		27.631
190.94		27.637
191.		27.641
191.01		27.642
191.02		
191.05		27.643

191.14		27.644
191.24		27.643
191.34		27.64
191.44		27.636
191.54		27.631
191.64		27.625
191.74		27.617
191.84		27.609
191.94		27.6
192.		27.594
192.01		27.593
192.02		27.592
192.05		27.59
192.14		27.584
192.24		27.578
192.34		27.573
192.44		27.568
192.54		27.563
192.64		27.559
192.74		27.555
192.84		27.551
192.94		27.547
193.		27.545
193.01		
193.02		27.544
193.05		27.543
193.14		27.541
193.24		27.538
193.34		27.535
193.44		27.532
193.54		27.53
193.64	22.39	27.528
193.74		27.526
193.84		27.524
193.94		27.522
194.		27.521
194.01		
194.02		
194.05		
194.14		27.526
194.24		27.534
194.34		27.544
194.44		27.557
194.54		27.57
194.64		27.586
194.74		27.602
194.84		27.62
194.94		27.639
195.		27.651
195.01		27.653
195.02		27.655
195.05		27.659
195.14		27.665
195.24		27.669
195.34		
195.44		27.667
195.54		27.662
195.64		27.656
195.74		27.648
195.84		27.638

195.94		27.627
196.		27.62
196.01		27.619
196.02		27.618
196.05		27.615
196.14		27.608
196.24		27.602
196.34		27.596
196.44		27.591
196.54		27.586
196.64		27.581
196.74		27.577
196.84		27.572
196.94		27.568
197.		27.566
197.01		27.565
197.02		
197.05		27.564
197.14		
197.24		27.565
197.34		27.567
197.44		27.57
197.54		27.574
197.64		27.578
197.74		27.583
197.84		27.589
197.94		27.596
198.		27.6
198.01		
198.02		27.601
198.05		27.602
198.14		27.605
198.24	22.391	27.607
198.34		27.608
198.44		
198.54		
198.64		27.607
198.74		27.606
198.84		27.604
198.94		27.602
199.		27.601
199.01		
199.02		
199.05		27.6
199.14		27.601
199.24		27.603
199.34		27.606
199.44		27.609
199.54		27.613
199.64		27.618
199.74		27.623
199.84		27.628
199.94		27.634
200.		27.637
200.01		27.638
200.02		
200.05		27.64
200.14		27.644
200.24		27.649
200.34		27.654

200.44		27.659
200.54		27.663
200.64		27.668
200.74		27.673
200.84		27.677
200.94		27.682
201.		27.685
201.01		
201.02		27.686
201.05		
201.14		27.685
201.24		27.681
201.34		27.676
201.44		27.669
201.54		27.661
201.64		27.652
201.74		27.642
201.84		27.63
201.94		27.618
202.		27.611
202.01		27.609
202.02		27.608
202.05	22.392	27.606
202.14		27.603
202.24		
202.34		27.605
202.44		27.609
202.54		27.615
202.64		27.622
202.74		27.631
202.84		27.64
202.94		27.651
203.		27.658
203.01		27.659
203.02		27.66
203.05		27.662
203.14		27.666
203.24		27.667
203.34		
203.44		27.665
203.54		27.662
203.64		27.658
203.74		27.653
203.84		27.647
203.94		27.641
204.		27.637
204.01		27.636
204.02		27.635
204.05		27.633
204.14		27.629
204.24		27.624
204.34		27.62
204.44		27.616
204.54		27.613
204.64		27.609
204.74		27.605
204.84		27.602
204.94		27.598
205.		27.596
205.01		

205.02		
205.05		
205.14		27.598
205.24		27.602
205.34		27.608
205.44		27.615
205.54		27.623
205.64		27.633
205.74		27.643
205.84		27.655
205.94		27.667
206.		27.675
206.01		27.676
206.02		27.677
206.05	22.393	27.681
206.14		27.689
206.24		27.697
206.34		27.705
206.44		27.712
206.54		27.718
206.64		27.725
206.74		27.731
206.84		27.736
206.94		27.742
207.		27.745
207.01		
207.02		27.746
207.05		27.748
207.14		27.752
207.24		27.757
207.34		27.761
207.44		27.766
207.54		27.77
207.64		27.774
207.74		27.778
207.84	22.394	27.782
207.94		27.786
208.		27.789
208.01		
208.02		
208.05		27.791
208.14		27.794
208.24		27.797
208.34		27.801
208.44		27.804
208.54		27.807
208.64		27.811
208.74	22.395	27.814
208.84		27.817
208.94		27.82
209.		27.822
209.01		
209.02		27.823
209.05		27.824
209.14		27.83
209.24		27.838
209.34	22.396	27.848
209.44		27.858
209.54		27.869
209.64		27.881

209.74		27.893
209.84		27.906
209.94	22.397	27.92
210.		27.929
210.01		27.93
210.02		27.932
210.05		27.938
210.14		27.96
210.24		27.989
210.34		28.022
210.44		28.058
210.54	22.398	28.096
210.64		28.137
210.74		28.181
210.84		28.226
210.94	22.399	28.273
211.		28.302
211.01		28.307
211.02		28.311
211.05		28.322
211.14		28.344
211.24	22.4	28.359
211.34		28.369
211.44	22.401	28.373
211.54		
211.64		28.368
211.74	22.402	28.36
211.84		28.349
211.94	22.403	28.335
212.		28.326
212.01		28.324
212.02		28.323
212.05		28.319
212.14	22.404	28.308
212.24		28.296
212.34	22.405	28.284
212.44		28.271
212.54		28.258
212.64		28.245
212.74	22.406	28.231
212.84		28.217
212.94		28.202
213.		28.192
213.01		28.191
213.02		
213.05		
213.14		28.209
213.24		28.241
213.34	22.407	28.283
213.44		28.334
213.54		28.392
213.64		28.457
213.74		28.528
213.84		28.605
213.94	22.408	28.686
214.		28.737
214.01		28.745
214.02		28.753
214.05		28.772
214.14		28.814

214.24	22.409	28.848
214.34		28.874
214.44	22.41	28.892
214.54		28.903
214.64	22.411	28.91
214.74		28.911
214.84	22.412	28.909
214.94	22.413	28.902
215.		28.897
215.01		28.896
215.02		
215.05		28.894
215.14	22.414	28.891
215.24	22.415	28.888
215.34		28.885
215.44	22.416	28.882
215.54		28.878
215.64	22.417	28.874
215.74		28.869
215.84		28.864
215.94	22.418	28.858
216.		28.854
216.01		
216.02		
216.05		
216.14	22.419	28.86
216.24		28.872
216.34		28.888
216.44	22.42	28.906
216.54		28.928
216.64		28.951
216.74		28.977
216.84	22.421	29.004
216.94		29.033
217.		29.052
217.01		29.054
217.02		29.057
217.05		29.064
217.14	22.422	29.077
217.24		29.087
217.34		29.094
217.44	22.423	29.097
217.54		
217.64		29.095
217.74	22.424	29.091
217.84		29.085
217.94		29.078
218.	22.425	29.073
218.01		29.072
218.02		29.071
218.05		29.069
218.14		29.064
218.24		29.059
218.34	22.426	29.055
218.44		29.05
218.54		29.045
218.64		29.041
218.74		29.036
218.84		29.031
218.94		29.025

219.	22.427	29.022
219.01		
219.02		29.021
219.05		29.022
219.14		29.027
219.24		29.036
219.34		29.049
219.44	22.428	29.065
219.54		29.083
219.64		29.103
219.74		29.125
219.84		29.148
219.94		29.174
220.		29.189
220.01		29.192
220.02		29.194
220.05		29.2
220.14	22.429	29.21
220.24		29.217
220.34		29.221
220.44		
220.54		29.219
220.64	22.43	29.215
220.74		29.209
220.84		29.201
220.94		29.192
221.		29.186
221.01		29.185
221.02		29.184
221.05	22.431	29.183
221.14		29.187
221.24		29.196
221.34		29.208
221.44		29.223
221.54		29.241
221.64	22.432	29.261
221.74		29.284
221.84		29.308
221.94		29.333
222.		29.349
222.01		29.352
222.02		29.355
222.05		29.363
222.14		29.391
222.24	22.433	29.425
222.34		29.461
222.44		29.498
222.54		29.538
222.64	22.434	29.579
222.74		29.621
222.84		29.666
222.94	22.435	29.711
223.		29.739
223.01		29.743
223.02		29.748
223.05		29.761
223.14	22.436	29.8
223.24		29.843
223.34	22.437	29.885
223.44		29.928

223.54	22.438	29.97
223.64		30.013
223.74	22.439	30.056
223.84	22.44	30.098
223.94		30.142
224.	22.441	30.168
224.01		30.172
224.02		30.177
224.05		30.192
224.14	22.442	30.246
224.24		30.312
224.34	22.443	30.383
224.44	22.444	30.458
224.54	22.445	30.538
224.64	22.446	30.621
224.74	22.447	30.707
224.84		30.796
224.94	22.448	30.888
225.	22.449	30.944
225.01		30.953
225.02		30.962
225.05	22.45	30.986
225.14	22.451	31.048
225.24	22.452	31.109
225.34	22.453	31.164
225.44	22.454	31.214
225.54	22.455	31.26
225.64	22.457	31.303
225.74	22.458	31.342
225.84	22.459	31.379
225.94	22.46	31.413
226.	22.461	31.432
226.01		31.435
226.02	22.462	31.439
226.05		31.451
226.14	22.463	31.495
226.24	22.464	31.548
226.34	22.466	31.604
226.44	22.467	31.664
226.54	22.468	31.726
226.64	22.469	31.79
226.74	22.471	31.857
226.84	22.472	31.925
226.94	22.473	31.994
227.	22.474	32.036
227.01		32.044
227.02		32.051
227.05	22.475	32.073
227.14	22.476	32.145
227.24	22.477	32.228
227.34	22.479	32.314
227.44	22.48	32.403
227.54	22.481	32.495
227.64	22.483	32.589
227.74	22.484	32.686
227.84	22.486	32.784
227.94	22.487	32.885
228.	22.488	32.947
228.01		32.956
228.02	22.489	32.966

228.05		32.992
228.14	22.491	33.062
228.24	22.492	33.13
228.34	22.494	33.192
228.44	22.496	33.249
228.54	22.497	33.301
228.64	22.499	33.349
228.74	22.501	33.393
228.84	22.503	33.434
228.94	22.504	33.472
229.	22.505	33.494
229.01		33.498
229.02	22.506	33.503
229.05		33.519
229.14	22.508	33.581
229.24	22.51	33.66
229.34	22.511	33.749
229.44	22.513	33.844
229.54	22.515	33.945
229.64	22.516	34.051
229.74	22.518	34.163
229.84	22.52	34.278
229.94	22.521	34.398
230.	22.522	34.471
230.01		34.483
230.02	22.523	34.494
230.05		34.526
230.14	22.525	34.608
230.24	22.527	34.688
230.34	22.529	34.761
230.44	22.531	34.827
230.54	22.533	34.889
230.64	22.535	34.945
230.74	22.537	34.998
230.84	22.539	35.047
230.94	22.541	35.093
231.		35.12
231.01	22.542	35.124
231.02		35.128
231.05	22.543	35.142
231.14	22.545	35.181
231.24	22.547	35.224
231.34	22.549	35.265
231.44	22.55	35.304
231.54	22.552	35.343
231.64	22.554	35.38
231.74	22.556	35.415
231.84	22.558	35.45
231.94	22.559	35.483
232.	22.56	35.502
232.01		35.505
232.02	22.561	35.508
232.05		35.517
232.14	22.563	35.537
232.24	22.564	35.556
232.34	22.566	35.572
232.44	22.567	35.584
232.54	22.569	35.594
232.64	22.57	35.601
232.74	22.572	35.605

232.84	22.573	35.607
232.94	22.575	35.608
233.		35.607
233.01		
233.02	22.576	35.606
233.05		35.605
233.14	22.577	35.598
233.24	22.578	35.588
233.34	22.579	35.574
233.44	22.58	35.558
233.54	22.582	35.539
233.64		35.518
233.74	22.583	35.495
233.84	22.584	35.469
233.94	22.585	35.441
234.	22.586	35.424
234.01		35.421
234.02		35.418
234.05		35.41
234.14		35.386
234.24	22.587	35.359
234.34	22.588	35.332
234.44		35.304
234.54	22.589	35.276
234.64		35.247
234.74		35.217
234.84	22.59	35.186
234.94		35.155
235.		35.136
235.01		35.133
235.02		35.13
235.05		35.125
235.14		35.119
235.24	22.591	35.122
235.34		35.133
235.44		35.15
235.54		35.171
235.64		35.198
235.74		35.228
235.84		35.263
235.94		35.301
236.		35.325
236.01		35.329
236.02		35.333
236.05		35.345
236.14		35.383
236.24		35.427
236.34	22.592	35.473
236.44		35.521
236.54		35.572
236.64		35.624
236.74	22.593	35.678
236.84		35.733
236.94	22.594	35.791
237.		35.826
237.01		35.832
237.02		35.837
237.05		35.852
237.14	22.595	35.892
237.24		35.932

237.34	22.596	35.968
237.44	22.597	36.002
237.54		36.034
237.64	22.598	36.063
237.74	22.599	36.091
237.84		36.117
237.94	22.6	36.143
238.	22.601	36.157
238.01		36.16
238.02		36.162
238.05		36.171
238.14	22.602	36.2
238.24	22.603	36.235
238.34		36.272
238.44	22.604	36.31
238.54	22.605	36.349
238.64	22.606	36.39
238.74		36.432
238.84	22.607	36.474
238.94	22.608	36.518
239.	22.609	36.544
239.01		36.549
239.02		36.553
239.05		36.568
239.14	22.61	36.615
239.24	22.611	36.671
239.34	22.612	36.73
239.44		36.792
239.54	22.613	36.856
239.64	22.614	36.922
239.74	22.615	36.99
239.84	22.616	37.06
239.94	22.617	37.131
240.	22.618	37.175
240.01		37.182
240.02		37.189
240.05		37.209
240.14	22.619	37.265
240.24	22.621	37.324
240.34	22.622	37.38
240.44	22.623	37.435
240.54	22.624	37.488
240.64	22.625	37.54
240.74	22.627	37.59
240.84	22.628	37.64
240.94	22.629	37.689
241.	22.63	37.718
241.01		37.723
241.02		37.728
241.05	22.631	37.74
241.14	22.632	37.774
241.24	22.633	37.806
241.34	22.634	37.835
241.44	22.636	37.86
241.54	22.637	37.882
241.64	22.638	37.902
241.74	22.639	37.92
241.84	22.641	37.935
241.94	22.642	37.948
242.		37.955

242.01	22.643	37.957
242.02		37.96
242.05		37.972
242.14	22.644	38.031
242.24	22.645	38.116
242.34	22.647	38.216
242.44	22.648	38.329
242.54	22.649	38.454
242.64	22.65	38.588
242.74	22.651	38.731
242.84	22.653	38.882
242.94	22.654	39.041
243.	22.655	39.139
243.01		39.154
243.02		39.169
243.05	22.656	39.204
243.14	22.657	39.276
243.24	22.659	39.327
243.34	22.66	39.356
243.44	22.662	39.367
243.54	22.664	39.362
243.64	22.666	39.344
243.74	22.668	39.315
243.84	22.669	39.274
243.94	22.671	39.223
244.	22.672	39.189
244.01		39.184
244.02		39.179
244.05	22.673	39.169
244.14	22.674	39.155
244.24	22.676	39.152
244.34	22.677	39.157
244.44	22.679	39.169
244.54	22.68	39.185
244.64	22.681	39.205
244.74	22.682	39.229
244.84	22.683	39.256
244.94	22.684	39.286
245.	22.685	39.305
245.01		39.308
245.02		39.312
245.05		39.324
245.14	22.686	39.373
245.24	22.687	39.436
245.34	22.688	39.507
245.44	22.689	39.584
245.54	22.69	39.668
245.64	22.691	39.756
245.74	22.692	39.85
245.84	22.693	39.949
245.94	22.694	40.051
246.	22.695	40.114
246.01		40.124
246.02		40.133
246.05		40.157
246.14	22.697	40.211
246.24	22.698	40.254
246.34	22.699	40.285
246.44	22.701	40.306
246.54	22.702	40.319

246.64	22.703	40.325
246.74	22.705	40.324
246.84	22.706	40.317
246.94	22.707	40.305
247.	22.708	40.296
247.01		40.295
247.02	22.709	
247.05		40.298
247.14	22.71	40.331
247.24	22.711	40.384
247.34	22.713	40.451
247.44	22.714	40.529
247.54	22.715	40.616
247.64	22.716	40.711
247.74	22.717	40.813
247.84	22.718	40.922
247.94	22.72	41.037
248.		41.108
248.01	22.721	41.119
248.02		41.129
248.05		41.153
248.14	22.722	41.197
248.24	22.724	41.222
248.34	22.725	41.228
248.44	22.727	41.219
248.54	22.728	41.197
248.64	22.73	41.164
248.74	22.731	41.12
248.84	22.732	41.067
248.94	22.734	41.005
249.	22.735	40.965
249.01		40.959
249.02		40.953
249.05		40.938
249.14	22.736	40.904
249.24	22.737	40.874
249.34	22.738	40.849
249.44	22.739	40.828
249.54	22.74	40.81
249.64	22.741	40.794
249.74	22.742	40.779
249.84		40.766
249.94	22.743	40.754
250.		40.747
250.01		40.746
250.02		40.745
250.05		40.742
250.14	22.744	40.735
250.24		40.728
250.34	22.745	40.723
250.44		40.718
250.54		40.714
250.64	22.746	40.711
250.74		40.709
250.84		40.707
250.94	22.747	40.706
251.		
251.01		
251.02		
251.05		40.707

251.14		40.715
251.24		40.729
251.34	22.748	40.745
251.44		40.765
251.54		40.786
251.64		40.81
251.74	22.749	40.836
251.84		40.864
251.94		40.894
252.	22.75	40.912
252.01		40.915
252.02		40.917
252.05		40.921
252.14		40.922
252.24		40.911
252.34	22.751	40.893
252.44		40.868
252.54	22.752	40.836
252.64		40.8
252.74		40.758
252.84	22.753	40.712
252.94		40.662
253.		40.631
253.01		40.626
253.02		40.622
253.05		40.612
253.14		40.595
253.24	22.754	40.588
253.34		40.589
253.44		40.597
253.54		40.61
253.64		40.629
253.74		40.652
253.84		40.679
253.94		40.709
254.		40.729
254.01		40.732
254.02		40.735
254.05		40.743
254.14		40.763
254.24		40.781
254.34		40.798
254.44	22.755	40.814
254.54		40.828
254.64		40.842
254.74		40.855
254.84	22.756	40.868
254.94		40.881
255.		40.888
255.01		40.889
255.02		40.89
255.05		40.895
255.14		40.91
255.24	22.757	40.93
255.34		40.95
255.44		40.972
255.54	22.758	40.995
255.64		41.019
255.74	22.759	41.044
255.84		41.069

255.94		41.096
256.	22.76	41.112
256.01		41.115
256.02		41.118
256.05		41.131
256.14		41.181
256.24	22.761	41.248
256.34		41.323
256.44	22.762	41.406
256.54		41.496
256.64	22.763	41.593
256.74	22.764	41.695
256.84		41.802
256.94	22.765	41.914
257.	22.766	41.983
257.01		41.994
257.02		42.004
257.05		42.033
257.14	22.767	42.103
257.24	22.768	42.168
257.34	22.769	42.225
257.44	22.77	42.274
257.54	22.771	42.318
257.64	22.773	42.356
257.74	22.774	42.39
257.84	22.775	42.419
257.94	22.777	42.445
258.	22.778	42.46
258.01		42.462
258.02		42.465
258.05		42.472
258.14	22.779	42.495
258.24	22.781	42.521
258.34	22.782	42.545
258.44	22.783	42.569
258.54	22.785	42.591
258.64	22.786	42.613
258.74	22.787	42.633
258.84	22.788	42.653
258.94	22.79	42.671
259.		42.682
259.01		42.684
259.02		42.687
259.05	22.791	42.696
259.14	22.792	42.732
259.24	22.793	42.78
259.34	22.794	42.834
259.44	22.795	42.893
259.54	22.796	42.957
259.64	22.797	43.024
259.74	22.799	43.096
259.84	22.8	43.17
259.94	22.801	43.248
260.	22.802	43.295
260.01		43.302
260.02		43.309
260.05		43.325
260.14	22.803	43.351
260.24	22.804	43.363
260.34	22.806	43.36

260.44	22.807	43.347
260.54	22.808	43.323
260.64	22.81	43.291
260.74	22.811	43.251
260.84	22.812	43.204
260.94	22.813	43.15
261.	22.814	43.116
261.01		43.11
261.02		43.106
261.05		43.095
261.14	22.815	43.078
261.24	22.816	43.072
261.34	22.817	43.074
261.44	22.818	43.084
261.54		43.099
261.64	22.819	43.12
261.74	22.82	43.144
261.84		43.173
261.94	22.821	43.205
262.		43.225
262.01		43.228
262.02		43.231
262.05	22.822	43.24
262.14		43.265
262.24	22.823	43.29
262.34		43.315
262.44	22.824	43.339
262.54	22.825	43.363
262.64		43.387
262.74	22.826	43.411
262.84		43.434
262.94	22.827	43.458
263.	22.828	43.472
263.01		43.475
263.02		43.477
263.05		43.483
263.14	22.829	43.496
263.24		43.507
263.34	22.83	43.516
263.44	22.831	43.523
263.54		43.528
263.64	22.832	43.531
263.74	22.833	43.532
263.84		
263.94	22.834	43.53
264.		43.529
264.01		
264.02	22.835	
264.05		43.531
264.14		43.544
264.24	22.836	43.564
264.34		43.589
264.44	22.837	43.617
264.54	22.838	43.649
264.64		43.683
264.74	22.839	43.719
264.84		43.758
264.94	22.84	43.799
265.		43.825
265.01		43.828

265.02	22.841	43.832
265.05		43.838
265.14		43.84
265.24	22.842	43.828
265.34	22.843	43.805
265.44		43.773
265.54	22.844	43.733
265.64	22.845	43.686
265.74		43.632
265.84	22.846	43.572
265.94		43.507
266.	22.847	43.466
266.01		43.46
266.02		43.454
266.05		43.442
266.14		43.427
266.24		43.428
266.34	22.848	43.442
266.44		43.467
266.54		43.501
266.64		43.543
266.74		43.593
266.84	22.849	43.648
266.94		43.71
267.		43.749
267.01		43.755
267.02		43.761
267.05		43.777
267.14		43.815
267.24	22.85	43.85
267.34		43.881
267.44		43.909
267.54	22.851	43.933
267.64		43.956
267.74	22.852	43.977
267.84		43.996
267.94	22.853	44.014
268.		44.024
268.01		44.026
268.02		44.028
268.05		44.035
268.14	22.854	44.062
268.24	22.855	44.096
268.34		44.133
268.44	22.856	44.173
268.54		44.216
268.64	22.857	44.261
268.74	22.858	44.307
268.84		44.356
268.94	22.859	44.406
269.	22.86	44.437
269.01		44.442
269.02		44.447
269.05		44.462
269.14	22.861	44.511
269.24		44.566
269.34	22.862	44.623
269.44	22.863	44.681
269.54	22.864	44.741
269.64	22.865	44.802

269.74	22.866	44.864
269.84	22.867	44.927
269.94	22.868	44.992
270.		45.031
270.01		45.037
270.02	22.869	45.044
270.05		45.063
270.14	22.87	45.122
270.24	22.871	45.187
270.34	22.872	45.253
270.44	22.873	45.319
270.54	22.874	45.386
270.64	22.876	45.453
270.74	22.877	45.521
270.84	22.878	45.59
270.94	22.88	45.659
271.		45.701
271.01		45.708
271.02	22.881	45.714
271.05		45.733
271.14	22.882	45.784
271.24	22.884	45.837
271.34	22.885	45.886
271.44	22.886	45.931
271.54	22.888	45.975
271.64	22.889	46.016
271.74	22.891	46.056
271.84	22.892	46.093
271.94	22.894	46.129
272.	22.895	46.15
272.01		46.154
272.02		46.157
272.05		46.167
272.14	22.897	46.196
272.24	22.898	46.226
272.34	22.899	46.255
272.44	22.901	46.282
272.54	22.902	46.308
272.64	22.904	46.333
272.74	22.905	46.356
272.84	22.906	46.378
272.94	22.907	46.4
273.	22.908	46.412
273.01		46.414
273.02		46.415
273.05	22.909	46.416
273.14	22.91	46.407
273.24	22.911	46.385
273.34	22.912	46.353
273.44	22.914	46.312
273.54	22.915	46.264
273.64	22.916	46.209
273.74	22.917	46.148
273.84	22.918	46.081
273.94	22.919	46.008
274.		45.963
274.01		45.955
274.02		45.949
274.05		45.929
274.14	22.92	45.881

274.24	22.921	45.833
274.34		45.788
274.44		45.747
274.54	22.922	45.708
274.64		45.671
274.74		45.635
274.84		45.6
274.94		45.567
275.		45.547
275.01		45.543
275.02		45.54
275.05		45.53
275.14		45.499
275.24		45.464
275.34		45.429
275.44		45.394
275.54		45.359
275.64		45.324
275.74		45.289
275.84	22.921	45.253
275.94		45.217
276.		45.195
276.01		45.192
276.02		45.188
276.05		45.178
276.14		45.149
276.24	22.92	45.118
276.34		45.089
276.44		45.059
276.54	22.919	45.031
276.64		45.003
276.74		44.976
276.84	22.918	44.949
276.94		44.922
277.		44.907
277.01		44.904
277.02		44.901
277.05	22.917	44.894
277.14		44.871
277.24		44.847
277.34	22.916	44.824
277.44		44.801
277.54	22.915	44.779
277.64		44.757
277.74		44.736
277.84	22.914	44.715
277.94		44.694
278.	22.913	44.682
278.01		44.68
278.02		44.679
278.05		44.673
278.14		44.66
278.24	22.912	44.647
278.34		44.636
278.44		44.627
278.54	22.911	44.619
278.64		44.612
278.74	22.91	44.606
278.84		44.601
278.94		44.597

279.		
279.01	22.909	44.595
279.02		
279.05		44.594
279.14		44.591
279.24		44.589
279.34	22.908	44.587
279.44		
279.54		44.586
279.64		
279.74		
279.84	22.907	44.587
279.94		44.588
280.		
280.01		44.589
280.02		
280.05		44.591
280.14		44.599
280.24		44.611
280.34		44.626
280.44	22.906	44.643
280.54		44.662
280.64		44.683
280.74		44.705
280.84		44.729
280.94		44.755
281.		44.771
281.01		44.773
281.02		44.776
281.05		44.783
281.14		44.806
281.24	22.907	44.832
281.34		44.858
281.44		44.884
281.54		44.911
281.64		44.938
281.74	22.908	44.966
281.84		44.995
281.94		45.024
282.		45.041
282.01		45.044
282.02	22.909	45.047
282.05		45.056
282.14		45.086
282.24		45.119
282.34	22.91	45.154
282.44		45.19
282.54	22.911	45.227
282.64		45.265
282.74	22.912	45.304
282.84		45.344
282.94	22.913	45.385
283.		45.409
283.01		45.413
283.02		45.417
283.05		45.429
283.14	22.914	45.463
283.24	22.915	45.5
283.34		45.536
283.44	22.916	45.572

283.54	22.917	45.607
283.64	22.918	45.642
283.74		45.677
283.84	22.919	45.712
283.94	22.92	45.747
284.		45.767
284.01		45.771
284.02		45.775
284.05	22.921	45.787
284.14		45.826
284.24	22.922	45.872
284.34	22.923	45.922
284.44	22.924	45.973
284.54	22.925	46.027
284.64	22.926	46.083
284.74	22.927	46.14
284.84	22.928	46.199
284.94	22.929	46.259
285.		46.296
285.01		46.302
285.02		46.308
285.05	22.93	46.325
285.14	22.931	46.373
285.24	22.932	46.423
285.34	22.933	46.471
285.44	22.934	46.518
285.54	22.935	46.564
285.64	22.936	46.609
285.74	22.937	46.653
285.84	22.938	46.696
285.94	22.939	46.739
286.	22.94	46.765
286.01		46.769
286.02		46.774
286.05	22.941	46.79
286.14	22.942	46.847
286.24	22.943	46.919
286.34	22.944	46.996
286.44	22.945	47.079
286.54	22.947	47.166
286.64	22.948	47.257
286.74	22.949	47.352
286.84	22.951	47.451
286.94	22.952	47.552
287.	22.953	47.615
287.01		47.624
287.02		47.634
287.05		47.66
287.14	22.955	47.723
287.24	22.956	47.782
287.34	22.958	47.832
287.44	22.959	47.875
287.54	22.961	47.913
287.64	22.963	47.945
287.74	22.964	47.973
287.84	22.966	47.997
287.94	22.968	48.016
288.	22.969	48.027
288.01		48.029
288.02		48.031

288.05		48.037
288.14	22.971	48.057
288.24	22.972	48.08
288.34	22.974	48.103
288.44	22.975	48.125
288.54	22.977	48.147
288.64	22.978	48.168
288.74	22.98	48.188
288.84	22.981	48.208
288.94	22.983	48.227
289.		48.238
289.01		48.24
289.02	22.984	48.242
289.05		48.247
289.14	22.985	48.26
289.24	22.986	48.274
289.34	22.988	48.286
289.44	22.989	48.297
289.54	22.99	48.306
289.64	22.991	48.314
289.74	22.992	48.322
289.84	22.993	48.328
289.94	22.994	48.333
290.	22.995	48.335
290.01		48.336
290.02		
290.05		48.337
290.14	22.996	48.341
290.24	22.997	48.346
290.34	22.998	48.349
290.44	22.999	48.353
290.54	23.	48.356
290.64	23.001	48.358
290.74	23.002	48.361
290.84		48.363
290.94	23.003	48.364
291.	23.004	48.365
291.01		
291.02		
291.05		48.364
291.14	23.005	48.359
291.24		48.351
291.34	23.006	48.34
291.44	23.007	48.326
291.54		48.311
291.64	23.008	48.295
291.74		48.276
291.84	23.009	48.256
291.94		48.235
292.	23.01	48.222
292.01		48.22
292.02		48.218
292.05		48.215
292.14		48.218
292.24	23.011	48.229
292.34		48.247
292.44	23.012	48.27
292.54		48.298
292.64		48.33
292.74		48.366

292.84	23.013	48.406
292.94		48.448
293.	23.014	48.475
293.01		48.479
293.02		48.483
293.05		48.494
293.14		48.522
293.24	23.015	48.548
293.34		48.571
293.44	23.016	48.592
293.54		48.611
293.64	23.017	48.629
293.74		48.645
293.84	23.018	48.661
293.94		48.675
294.	23.019	48.683
294.01		48.685
294.02		48.687
294.05		48.697
294.14	23.02	48.742
294.24		48.804
294.34	23.021	48.877
294.44		48.958
294.54	23.022	49.047
294.64	23.023	49.143
294.74	23.024	49.245
294.84		49.353
294.94	23.025	49.466
295.	23.026	49.536
295.01		49.55
295.02		49.565
295.05		49.626
295.14	23.027	49.881
295.24	23.028	50.229
295.34	23.03	50.629
295.44	23.031	51.075
295.54	23.033	51.56
295.64	23.034	52.081
295.74	23.037	52.635
295.84	23.039	53.22
295.94	23.042	53.835
296.	23.044	54.213
296.01	23.045	54.273
296.02		54.329
296.05	23.046	54.476
296.14	23.049	54.811
296.24	23.054	55.097
296.34	23.058	55.318
296.44	23.063	55.488
296.54	23.069	55.613
296.64	23.074	55.7
296.74	23.08	55.754
296.84	23.086	55.776
296.94	23.092	55.772
297.	23.095	55.759
297.01	23.096	55.757
297.02		55.756
297.05	23.098	55.75
297.14	23.103	55.728
297.24	23.108	55.692

297.34	23.114	55.644
297.44	23.119	55.584
297.54	23.123	55.512
297.64	23.128	55.429
297.74	23.132	55.333
297.84	23.136	55.227
297.94	23.14	55.11
298.	23.142	55.035
298.01	23.143	55.025
298.02		55.017
298.05	23.144	55.005
298.14	23.147	55.036
298.24	23.15	55.126
298.34	23.153	55.257
298.44	23.155	55.423
298.54	23.158	55.619
298.64	23.16	55.84
298.74	23.162	56.085
298.84	23.165	56.351
298.94	23.167	56.636
299.	23.169	56.813
299.01		56.842
299.02		56.869
299.05	23.17	56.946
299.14	23.172	57.146
299.24	23.175	57.349
299.34	23.178	57.537
299.44	23.181	57.714
299.54	23.185	57.884
299.64	23.188	58.046
299.74	23.192	58.204
299.84	23.195	58.356
299.94	23.199	58.505
300.	23.201	58.593
300.01		58.607
300.02	23.202	58.621
300.05	23.203	58.662
300.14	23.206	58.773
300.24	23.21	58.888
300.34	23.214	58.994
300.44	23.218	59.094
300.54	23.222	59.188
300.64	23.226	59.276
300.74	23.229	59.358
300.84	23.233	59.436
300.94	23.237	59.51
301.	23.239	59.552
301.01		59.559
301.02	23.24	59.565
301.05	23.241	59.578
301.14	23.244	59.596
301.24	23.248	
301.34	23.251	59.578
301.44	23.254	59.546
301.54	23.258	59.501
301.64	23.261	59.443
301.74	23.264	59.374
301.84	23.267	59.295
301.94	23.269	59.206
302.		59.149

302.01	23.271	59.142
302.02		59.138
302.05	23.272	59.141
302.14	23.274	59.233
302.24	23.277	59.406
302.34	23.279	59.634
302.44	23.281	59.907
302.54	23.283	60.218
302.64	23.285	60.565
302.74	23.287	60.942
302.84	23.289	61.348
302.94	23.291	61.78
303.	23.293	62.049
303.01		62.093
303.02	23.294	62.138
303.05		62.274
303.14	23.297	62.692
303.24	23.3	63.173
303.34	23.304	63.671
303.44	23.308	64.185
303.54	23.312	64.714
303.64	23.317	65.258
303.74	23.322	65.818
303.84	23.327	66.391
303.94	23.333	66.979
304.	23.336	67.337
304.01	23.337	67.395
304.02	23.338	67.451
304.05	23.34	67.61
304.14	23.345	68.038
304.24	23.352	68.474
304.34	23.36	68.881
304.44	23.367	69.264
304.54	23.375	69.629
304.64	23.383	69.977
304.74	23.391	70.312
304.84	23.399	70.633
304.94	23.408	70.943
305.	23.413	71.126
305.01	23.414	71.155
305.02	23.415	71.183
305.05	23.417	71.259
305.14	23.425	71.445
305.24	23.433	71.611
305.34	23.442	71.744
305.44	23.45	71.85
305.54	23.459	71.93
305.64	23.467	71.988
305.74	23.475	72.026
305.84	23.483	72.044
305.94	23.491	72.045
306.	23.495	72.039
306.01	23.496	72.038
306.02	23.497	72.037
306.05	23.499	72.033
306.14	23.505	72.008
306.24	23.512	71.967
306.34	23.519	71.913
306.44	23.525	71.846
306.54	23.531	71.766

306.64	23.537	71.675
306.74	23.542	71.571
306.84	23.547	71.456
306.94	23.552	71.331
307.	23.555	71.251
307.01		71.238
307.02	23.556	71.224
307.05	23.557	71.181
307.14	23.561	71.039
307.24	23.565	70.868
307.34	23.568	70.685
307.44	23.572	70.49
307.54	23.575	70.283
307.64	23.577	70.066
307.74	23.58	69.839
307.84	23.581	69.601
307.94	23.583	69.355
308.	23.584	69.203
308.01		69.179
308.02		69.155
308.05	23.585	69.089
308.14	23.586	68.911
308.24		68.73
308.34	23.587	68.56
308.44		68.4
308.54		68.246
308.64		68.098
308.74	23.586	67.955
308.84		67.816
308.94	23.585	67.68
309.	23.584	67.6
309.01		67.587
309.02		67.575
309.05		67.542
309.14	23.583	67.461
309.24	23.582	67.388
309.34	23.58	67.328
309.44	23.579	67.281
309.54	23.578	67.244
309.64	23.576	67.216
309.74	23.575	67.196
309.84	23.574	67.184
309.94	23.572	67.179
310.	23.571	67.178
310.01		67.177
310.02		67.175
310.05		67.164
310.14	23.569	67.104
310.24	23.568	67.014
310.34	23.567	66.907
310.44	23.566	66.786
310.54	23.565	66.653
310.64	23.563	66.509
310.74	23.562	66.356
310.84	23.561	66.194
310.94	23.56	66.025
311.	23.559	65.92
311.01		65.903
311.02	23.558	65.887
311.05		65.843

311.14	23.557	65.729
311.24	23.555	65.618
311.34	23.553	65.518
311.44	23.552	65.427
311.54	23.55	65.343
311.64	23.548	65.266
311.74	23.546	65.195
311.84	23.544	65.128
311.94	23.543	65.067
312.	23.541	65.031
312.01		65.025
312.02		65.019
312.05	23.54	65.001
312.14	23.539	64.949
312.24	23.537	64.893
312.34	23.535	64.838
312.44	23.533	64.785
312.54	23.531	64.733
312.64	23.529	64.683
312.74	23.528	64.634
312.84	23.526	64.587
312.94	23.524	64.541
313.	23.523	64.514
313.01		64.51
313.02		64.506
313.05	23.522	64.496
313.14	23.521	64.474
313.24	23.519	64.457
313.34	23.518	64.447
313.44	23.516	64.442
313.54	23.515	64.441
313.64	23.514	64.445
313.74	23.512	64.452
313.84	23.511	64.463
313.94	23.51	64.476
314.	23.509	64.485
314.01		64.486
314.02		64.488
314.05		64.495
314.14	23.508	64.521
314.24	23.507	64.556
314.34	23.506	64.597
314.44	23.505	64.642
314.54	23.504	64.692
314.64	23.503	64.746
314.74		64.803
314.84	23.502	64.864
314.94		64.929
315.		64.969
315.01		64.975
315.02		64.981
315.05		64.995
315.14	23.501	65.025
315.24		65.047
315.34		65.061
315.44		65.068
315.54		65.069
315.64		65.066
315.74		65.059
315.84		65.047

315.94	23.502	65.033
316.		65.023
316.01		65.022
316.02		
316.05		65.025
316.14	23.503	65.055
316.24		65.105
316.34		65.169
316.44		65.243
316.54	23.504	65.328
316.64		65.42
316.74	23.505	65.52
316.84		65.627
316.94	23.506	65.74
317.		65.81
317.01		65.82
317.02		65.829
317.05		65.847
317.14	23.507	65.859
317.24	23.508	65.835
317.34	23.509	65.784
317.44		65.709
317.54	23.51	65.615
317.64	23.511	65.504
317.74	23.512	65.378
317.84	23.513	65.237
317.94	23.514	65.084
318.		64.988
318.01		64.972
318.02		64.957
318.05	23.515	64.911
318.14		64.778
318.24		64.63
318.34	23.516	64.48
318.44		64.328
318.54		64.172
318.64	23.515	64.014
318.74		63.852
318.84	23.514	63.686
318.94		63.517
319.	23.513	63.415
319.01		63.399
319.02		63.384
319.05		63.345
319.14	23.512	63.264
319.24	23.511	63.202
319.34	23.51	63.164
319.44	23.508	63.144
319.54	23.507	63.141
319.64	23.506	63.153
319.74	23.504	63.179
319.84	23.503	63.217
319.94	23.502	63.268
320.	23.501	63.302
320.01		63.307
320.02		63.311
320.05	23.5	63.319
320.14	23.499	
320.24	23.498	63.303
320.34	23.497	63.274

320.44	23.496	63.237
320.54	23.495	63.192
320.64		63.141
320.74	23.494	63.086
320.84	23.493	63.026
320.94		62.962
321.	23.492	62.923
321.01		62.916
321.02		62.909
321.05		62.885
321.14	23.491	62.803
321.24		62.701
321.34	23.49	62.59
321.44	23.489	62.472
321.54	23.488	62.347
321.64		62.216
321.74	23.487	62.08
321.84	23.486	61.939
321.94	23.485	61.794
322.	23.484	61.706
322.01		61.691
322.02		61.677
322.05		61.637
322.14	23.482	61.527
322.24	23.481	61.413
322.34	23.48	61.305
322.44	23.478	61.2
322.54	23.477	61.099
322.64	23.475	61.001
322.74	23.474	60.905
322.84	23.472	60.811
322.94	23.47	60.718
323.	23.469	60.663
323.01		60.654
323.02		60.645
323.05		60.617
323.14	23.467	60.532
323.24	23.465	60.438
323.34	23.463	60.342
323.44	23.462	60.247
323.54	23.46	60.151
323.64	23.458	60.056
323.74	23.456	59.959
323.84	23.454	59.863
323.94	23.452	59.767
324.	23.451	59.709
324.01		59.699
324.02		59.689
324.05	23.45	59.659
324.14	23.449	59.565
324.24	23.447	59.458
324.34	23.445	59.349
324.44	23.443	59.238
324.54	23.441	59.126
324.64	23.439	59.012
324.74	23.437	58.896
324.84	23.435	58.78
324.94	23.433	58.663
325.	23.432	58.592
325.01		58.58

325.02		58.569
325.05	23.431	58.535
325.14	23.429	58.437
325.24	23.427	58.331
325.34	23.425	58.228
325.44	23.423	58.126
325.54	23.421	58.026
325.64	23.419	57.926
325.74	23.416	57.828
325.84	23.414	57.731
325.94	23.412	57.634
326.	23.411	57.577
326.01		57.567
326.02	23.41	57.558
326.05		57.531
326.14	23.408	57.456
326.24	23.406	57.376
326.34	23.403	57.301
326.44	23.401	57.229
326.54	23.399	57.161
326.64	23.397	57.094
326.74	23.395	57.031
326.84	23.393	56.969
326.94	23.391	56.91
327.	23.389	56.875
327.01		56.87
327.02		56.864
327.05	23.388	56.847
327.14	23.387	56.798
327.24	23.385	56.746
327.34	23.383	56.695
327.44	23.381	56.647
327.54	23.379	56.6
327.64	23.377	56.556
327.74	23.375	56.512
327.84	23.373	56.47
327.94	23.372	56.43
328.	23.371	56.406
328.01		56.402
328.02	23.37	56.399
328.05		56.387
328.14	23.368	56.356
328.24	23.367	56.324
328.34	23.365	56.294
328.44	23.364	56.265
328.54	23.362	56.239
328.64	23.361	56.214
328.74	23.359	56.191
328.84	23.358	56.17
328.94	23.357	56.151
329.	23.356	56.139
329.01		56.137
329.02		56.135
329.05	23.355	56.125
329.14	23.354	56.086
329.24	23.353	56.035
329.34	23.352	55.977
329.44	23.351	55.914
329.54	23.35	55.846
329.64	23.349	55.774

329.74	23.347	55.699
329.84	23.346	55.62
329.94	23.345	55.538
330.		55.488
330.01		55.48
330.02	23.344	55.472
330.05		55.449
330.14	23.343	55.388
330.24	23.342	55.324
330.34	23.341	55.263
330.44	23.34	55.204
330.54	23.338	55.148
330.64	23.337	55.093
330.74	23.336	55.04
330.84	23.335	54.988
330.94	23.334	54.937
331.	23.333	54.907
331.01		54.902
331.02		54.897
331.05	23.332	54.882
331.14	23.331	54.837
331.24	23.33	54.787
331.34	23.329	54.738
331.44	23.327	54.689
331.54	23.326	54.641
331.64	23.325	54.593
331.74	23.324	54.546
331.84	23.323	54.499
331.94	23.321	54.452
332.		54.424
332.01		54.42
332.02		54.416
332.05	23.32	54.403
332.14	23.319	54.37
332.24	23.318	54.337
332.34	23.317	54.307
332.44	23.316	54.279
332.54	23.315	54.254
332.64	23.314	54.231
332.74	23.312	54.21
332.84	23.311	54.191
332.94	23.31	54.174
333.		54.164
333.01		54.162
333.02		54.16
333.05	23.309	54.153
333.14	23.308	54.125
333.24		54.116
333.34	23.307	54.115
333.44	23.306	54.114
333.54	23.305	54.112
333.64	23.304	54.109
333.74	23.303	54.107
333.84	23.302	54.103
333.94		54.1
334.	23.301	54.098
334.01		54.097
334.02		
334.05		54.096
334.14	23.3	54.094

334.24	23.299	54.092
334.34	23.298	54.09
334.44	23.297	54.088
334.54	23.296	54.086
334.64		54.084
334.74	23.295	54.083
334.84	23.294	54.081
334.94	23.293	54.08
335.	23.292	54.079
335.01		
335.02		
335.05		54.078
335.14	23.291	54.076
335.24	23.29	54.073
335.34	23.289	54.069
335.44		54.066
335.54	23.288	54.062
335.64	23.287	54.058
335.74	23.286	54.054
335.84	23.285	54.05
335.94	23.284	54.046
336.		54.043
336.01	23.283	
336.02		54.042
336.05		54.041
336.14	23.282	54.04
336.24	23.281	54.039
336.34	23.28	
336.44		
336.54	23.279	54.04
336.64	23.278	54.041
336.74	23.277	54.043
336.84	23.276	54.045
336.94	23.275	54.047
337.		54.048
337.01	23.274	54.049
337.02		
337.05		
337.14	23.273	54.05
337.24		54.052
337.34	23.272	54.053
337.44	23.271	54.054
337.54	23.27	
337.64	23.269	54.055
337.74		54.056
337.84	23.268	54.057
337.94	23.267	54.058
338.		
338.01		
338.02		
338.05		
338.14	23.266	54.057
338.24	23.265	54.056
338.34		54.054
338.44	23.264	54.051
338.54	23.263	54.048
338.64		54.045
338.74	23.262	54.042
338.84		54.038
338.94		54.034

339.	23.261	54.032
339.01		54.031
339.02	23.26	
339.05		54.03
339.14		54.027
339.24	23.259	54.024
339.34	23.258	54.021
339.44		54.018
339.54	23.257	54.016
339.64	23.256	54.013
339.74		54.01
339.84	23.255	54.008
339.94	23.254	54.005
340.		54.003
340.01		
340.02		
340.05	23.253	54.002
340.14		53.999
340.24	23.252	53.996
340.34	23.251	53.992
340.44		53.988
340.54	23.25	53.984
340.64	23.249	53.98
340.74	23.248	53.976
340.84		53.972
340.94	23.247	53.968
341.	23.246	53.965
341.01		
341.02		
341.05		53.964
341.14	23.245	53.961
341.24		53.959
341.34	23.244	53.957
341.44	23.243	53.956
341.54	23.242	53.955
341.64	23.241	53.954
341.74		53.953
341.84	23.24	
341.94	23.239	
342.		
342.01		
342.02		53.952
342.05	23.238	
342.14		53.95
342.24	23.237	53.947
342.34	23.236	53.944
342.44	23.235	53.941
342.54		53.937
342.64	23.234	53.933
342.74	23.233	53.929
342.84		53.925
342.94	23.232	53.921
343.		53.919
343.01		
343.02	23.231	53.918
343.05		53.917
343.14		53.914
343.24	23.23	53.911
343.34	23.229	53.908
343.44	23.228	53.905

343.54		53.903
343.64	23.227	53.9
343.74	23.226	53.898
343.84		53.895
343.94	23.225	53.893
344.	23.224	53.892
344.01		
344.02		
344.05		53.891
344.14	23.223	53.889
344.24		53.887
344.34	23.222	53.885
344.44	23.221	53.883
344.54		53.881
344.64	23.22	53.879
344.74	23.219	53.876
344.84		53.874
344.94	23.218	53.872
345.		53.871
345.01		
345.02	23.217	
345.05		53.87
345.14		53.868
345.24	23.216	53.866
345.34	23.215	53.864
345.44		53.861
345.54	23.214	53.859
345.64		53.856
345.74	23.213	53.854
345.84	23.212	53.851
345.94		53.849
346.	23.211	53.847
346.01		
346.02		
346.05		53.846
346.14	23.21	53.844
346.24		53.841
346.34	23.209	53.838
346.44		53.835
346.54	23.208	53.832
346.64	23.207	53.829
346.74		53.826
346.84	23.206	53.823
346.94	23.205	53.82
347.		53.819
347.01		53.818
347.02		
347.05		53.817
347.14	23.204	53.814
347.24		53.811
347.34	23.203	53.809
347.44	23.202	53.806
347.54		53.803
347.64	23.201	53.801
347.74	23.2	53.799
347.84		53.797
347.94	23.199	53.796
348.		53.795
348.01		
348.02		

348.05	23.198	53.794
348.14		53.793
348.24	23.197	53.792
348.34		53.791
348.44	23.196	53.789
348.54		53.788
348.64	23.195	53.786
348.74		53.784
348.84	23.194	53.782
348.94		53.78
349.	23.193	53.779
349.01		
349.02		
349.05		53.778
349.14		53.776
349.24	23.192	53.774
349.34		53.772
349.44	23.191	53.77
349.54		53.768
349.64	23.19	53.767
349.74		53.765
349.84	23.189	53.763
349.94		53.761
350.	23.188	53.76
350.01		53.759
350.02		
350.05		
350.14		53.757
350.24	23.187	53.755
350.34		53.753
350.44	23.186	53.751
350.54		53.749
350.64	23.185	53.748
350.74		53.746
350.84	23.184	53.744
350.94		53.742
351.		53.741
351.01		
351.02		
351.05	23.183	53.74
351.14		53.739
351.24		53.737
351.34	23.182	53.735
351.44		53.733
351.54	23.181	53.732
351.64		53.73
351.74	23.18	53.728
351.84		53.727
351.94	23.179	53.725
352.		53.724
352.01		
352.02		
352.05		53.723
352.14	23.178	53.721
352.24		53.719
352.34		53.717
352.44	23.177	53.715
352.54		53.713
352.64	23.176	53.711
352.74		53.708

352.84	23.175	53.706
352.94		53.704
353.		53.702
353.01		
353.02		
353.05	23.174	53.701
353.14		53.699
353.24		53.696
353.34	23.173	53.694
353.44		53.691
353.54	23.172	53.689
353.64		53.686
353.74	23.171	53.684
353.84		53.681
353.94	23.17	53.679
354.		53.678
354.01		53.677
354.02		
354.05	23.169	
354.14		53.674
354.24		53.672
354.34	23.168	53.67
354.44		53.668
354.54	23.167	53.666
354.64		53.664
354.74	23.166	53.662
354.84		53.66
354.94	23.165	53.658
355.		53.657
355.01		
355.02		53.656
355.05		
355.14	23.164	53.654
355.24		53.652
355.34	23.163	53.651
355.44		53.649
355.54		53.647
355.64	23.162	53.646
355.74		53.644
355.84	23.161	53.643
355.94		53.642
356.		53.641
356.01		
356.02		53.64
356.05	23.16	
356.14		53.639
356.24		53.638
356.34	23.159	53.636
356.44		53.635
356.54		53.633
356.64	23.158	53.632
356.74		53.63
356.84	23.157	53.629
356.94		53.627
357.		53.626
357.01		
357.02		
357.05		53.625
357.14	23.156	53.624
357.24		53.622

357.34		53.62
357.44	23.155	53.619
357.54		53.617
357.64		53.615
357.74	23.154	53.613
357.84		53.611
357.94	23.153	53.609
358.		53.608
358.01		53.607
358.02		
358.05		
358.14		53.605
358.24	23.152	53.603
358.34		53.601
358.44	23.151	53.598
358.54		53.596
358.64		53.594
358.74	23.15	53.592
358.84		53.59
358.94	23.149	53.588
359.		53.587
359.01		53.586
359.02		
359.05		
359.14	23.148	53.584
359.24		53.582
359.34		53.58
359.44	23.147	53.578
359.54		53.575
359.64	23.146	53.573
359.74		53.571
359.84	23.145	53.569
359.94		53.567
360.		53.566
360.01		53.565
360.02		
360.05		53.564
360.14	23.144	53.563
360.24		53.56
360.34	23.143	53.558
360.44		53.556
360.54	23.142	53.554
360.64		53.552
360.74		53.549
360.84	23.141	53.547
360.94		53.545
361.	23.14	53.544
361.01		
361.02		
361.05		53.543
361.14		53.541
361.24	23.139	53.539
361.34		53.537
361.44		53.535
361.54	23.138	53.534
361.64		53.532
361.74	23.137	53.53
361.84		53.528
361.94		53.526
362.		

362.01	23.136	53.525
362.02		
362.05		53.524
362.14		53.523
362.24		53.521
362.34	23.135	53.519
362.44		53.518
362.54	23.134	53.516
362.64		53.514
362.74		53.512
362.84	23.133	53.51
362.94		53.508
363.		53.507
363.01		
363.02		
363.05		53.506
363.14	23.132	53.504
363.24		53.502
363.34		53.5
363.44	23.131	53.498
363.54		53.496
363.64	23.13	53.494
363.74		53.492
363.84		53.49
363.94	23.129	53.488
364.		53.486
364.01		
364.02		
364.05		53.485
364.14	23.128	53.483
364.24		53.481
364.34		53.479
364.44	23.127	53.477
364.54		53.475
364.64	23.126	53.473
364.74		53.471
364.84		53.468
364.94	23.125	53.466
365.		53.465
365.01		
365.02		53.464
365.05		
365.14	23.124	53.462
365.24		53.459
365.34		53.457
365.44	23.123	53.455
365.54		53.452
365.64	23.122	53.45
365.74		53.448
365.84		53.445
365.94	23.121	53.443
366.		53.441
366.01		
366.02		
366.05		53.44
366.14	23.12	53.438
366.24		53.436
366.34		53.433
366.44	23.119	53.431
366.54		53.428

366.64	23.118	53.426
366.74		53.423
366.84	23.117	53.421
366.94		53.419
367.		53.417
367.01		
367.02		
367.05		53.416
367.14	23.116	53.414
367.24		53.412
367.34	23.115	53.409
367.44		53.407
367.54		53.405
367.64	23.114	53.403
367.74		53.4
367.84	23.113	53.398
367.94		53.396
368.		53.394
368.01		
368.02		
368.05		53.393
368.14	23.112	53.391
368.24		53.389
368.34	23.111	53.387
368.44		53.384
368.54		53.382
368.64	23.11	53.38
368.74		53.377
368.84		53.375
368.94	23.109	53.373
369.		53.371
369.01		
369.02		
369.05		53.37
369.14	23.108	53.368
369.24		53.366
369.34		53.364
369.44	23.107	53.361
369.54		53.359
369.64	23.106	53.357
369.74		53.354
369.84		53.352
369.94	23.105	53.349
370.		53.348
370.01		
370.02		
370.05		53.347
370.14		53.345
370.24	23.104	53.342
370.34		53.34
370.44	23.103	53.337
370.54		53.335
370.64		53.333
370.74	23.102	53.33
370.84		53.328
370.94	23.101	53.326
371.		53.324
371.01		
371.02		
371.05		53.323

371.14		53.321
371.24	23.1	53.319
371.34		53.317
371.44		53.315
371.54	23.099	53.312
371.64		53.31
371.74		53.308
371.84	23.098	53.306
371.94		53.304
372.		53.303
372.01		
372.02		53.302
372.05	23.097	
372.14		53.3
372.24		53.298
372.34	23.096	53.296
372.44		53.293
372.54		53.291
372.64	23.095	53.289
372.74		53.287
372.84		53.285
372.94	23.094	53.283
373.		53.281
373.01		
373.02		
373.05		53.28
373.14		53.278
373.24	23.093	53.276
373.34		53.274
373.44		53.271
373.54	23.092	53.269
373.64		53.267
373.74		53.264
373.84	23.091	53.262
373.94		53.26
374.		53.258
374.01		
374.02		
374.05		53.257
374.14	23.09	53.255
374.24		53.252
374.34		53.25
374.44	23.089	53.248
374.54		53.245
374.64	23.088	53.243
374.74		53.24
374.84		53.238
374.94	23.087	53.236
375.		53.234
375.01		
375.02		
375.05		53.233
375.14		53.231
375.24	23.086	53.229
375.34		53.226
375.44		53.224
375.54	23.085	53.222
375.64		53.219
375.74		53.217
375.84		53.214

375.94	23.084	53.212
376.		53.211
376.01		53.21
376.02		
376.05	23.083	53.209
376.14		53.207
376.24		53.205
376.34	23.082	53.202
376.44		53.2
376.54		53.198
376.64	23.081	53.195
376.74		53.193
376.84		53.19
376.94	23.08	53.187
377.		53.186
377.01		
377.02		53.185
377.05		
377.14	23.079	53.182
377.24		53.179
377.34		53.177
377.44	23.078	53.174
377.54		53.171
377.64		53.169
377.74	23.077	53.166
377.84		53.163
377.94	23.076	53.161
378.		53.159
378.01		
378.02		
378.05		53.158
378.14		53.156
378.24	23.075	53.153
378.34		53.15
378.44		53.148
378.54	23.074	53.145
378.64		53.142
378.74	23.073	53.14
378.84		53.137
378.94		53.134
379.	23.072	53.133
379.01		
379.02		53.132
379.05		53.131
379.14		53.129
379.24		53.126
379.34	23.071	53.124
379.44		53.121
379.54	23.07	53.118
379.64		53.116
379.74		53.113
379.84	23.069	53.111
379.94		53.108
380.		53.106
380.01		
380.02		
380.05		53.105
380.14	23.068	53.103
380.24		53.1
380.34		53.098

380.44	23.067	53.095
380.54		53.093
380.64	23.066	53.09
380.74		53.088
380.84		53.085
380.94	23.065	53.083
381.		53.081
381.01		
381.02		
381.05		53.08
381.14		53.078
381.24	23.064	53.075
381.34		53.073
381.44		53.07
381.54	23.063	53.068
381.64		53.065
381.74		53.063
381.84	23.062	53.06
381.94		53.058
382.		53.056
382.01		
382.02		
382.05		53.055
382.14	23.061	53.053
382.24		53.051
382.34		53.048
382.44	23.06	53.046
382.54		53.043
382.64		53.041
382.74	23.059	53.039
382.84		53.037
382.94		53.034
383.		53.033
383.01		
383.02		
383.05	23.058	53.032
383.14		53.03
383.24		53.028
383.34		53.026
383.44	23.057	53.024
383.54		53.022
383.64		53.02
383.74	23.056	53.017
383.84		53.015
383.94		53.013
384.		53.011
384.01		
384.02		
384.05		53.01
384.14	23.055	53.008
384.24		53.006
384.34		53.003
384.44	23.054	53.001
384.54		52.999
384.64		52.996
384.74	23.053	52.994
384.84		52.992
384.94		52.99
385.		52.988
385.01		

385.02		
385.05		52.987
385.14	23.052	52.986
385.24		52.984
385.34		52.981
385.44	23.051	52.979
385.54		52.977
385.64		52.975
385.74		52.973
385.84	23.05	52.971
385.94		52.969
386.		52.968
386.01		
386.02		52.967
386.05		
386.14		52.965
386.24	23.049	52.963
386.34		52.96
386.44		52.958
386.54	23.048	52.956
386.64		52.954
386.74		52.951
386.84		52.949
386.94	23.047	52.947
387.		52.945
387.01		
387.02		
387.05		52.944
387.14		52.942
387.24	23.046	52.94
387.34		52.938
387.44		52.935
387.54	23.045	52.933
387.64		52.93
387.74		52.928
387.84		52.926
387.94	23.044	52.923
388.		52.922
388.01		52.921
388.02		
388.05		52.92
388.14		52.918
388.24	23.043	52.915
388.34		52.913
388.44		52.91
388.54	23.042	52.908
388.64		52.905
388.74		52.903
388.84	23.041	52.9
388.94		52.898
389.		52.897
389.01		52.896
389.02		
389.05		52.895
389.14	23.04	52.893
389.24		52.891
389.34		52.889
389.44	23.039	52.886
389.54		52.884
389.64		52.882

389.74		52.879
389.84	23.038	52.877
389.94		52.875
390.		52.873
390.01		
390.02		
390.05		52.872
390.14	23.037	52.87
390.24		52.867
390.34		52.865
390.44	23.036	52.862
390.54		52.86
390.64		52.857
390.74	23.035	52.855
390.84		52.852
390.94		52.849
391.		52.848
391.01		52.847
391.02		
391.05	23.034	52.846
391.14		52.844
391.24		52.841
391.34	23.033	52.838
391.44		52.835
391.54		52.833
391.64	23.032	52.83
391.74		52.827
391.84		52.824
391.94	23.031	52.821
392.		52.819
392.01		
392.02		
392.05		52.818
392.14		52.815
392.24	23.03	52.813
392.34		52.81
392.44		52.807
392.54	23.029	52.804
392.64		52.801
392.74		52.798
392.84	23.028	52.795
392.94		52.792
393.		52.791
393.01		52.79
393.02		
393.05		52.789
393.14	23.027	52.787
393.24		52.784
393.34	23.026	52.781
393.44		52.778
393.54		52.775
393.64	23.025	52.772
393.74		52.769
393.84		52.766
393.94	23.024	52.764
394.		52.762
394.01		
394.02		52.761
394.05		
394.14		52.758

394.24	23.023	52.755
394.34		52.753
394.44		52.75
394.54	23.022	52.747
394.64		52.744
394.74		52.742
394.84	23.021	52.739
394.94		52.736
395.		52.735
395.01		52.734
395.02		
395.05		52.733
395.14	23.02	52.731
395.24		52.728
395.34		52.725
395.44	23.019	52.723
395.54		52.72
395.64		52.717
395.74	23.018	52.714
395.84		52.712
395.94		52.709
396.		52.707
396.01		
396.02		
396.05		52.706
396.14	23.017	52.704
396.24		52.701
396.34		52.698
396.44	23.016	52.696
396.54		52.693
396.64		52.69
396.74	23.015	52.688
396.84		52.685
396.94		52.683
397.		52.681
397.01		
397.02		
397.05	23.014	52.68
397.14		52.677
397.24		52.675
397.34		52.672
397.44	23.013	52.67
397.54		52.667
397.64		52.665
397.74	23.012	52.662
397.84		52.659
397.94		52.657
398.		52.655
398.01		
398.02		
398.05		52.654
398.14	23.011	52.652
398.24		52.649
398.34		52.647
398.44	23.01	52.644
398.54		52.642
398.64		52.639
398.74		52.637
398.84		52.634
398.94		52.631

399.	23.009	52.63
399.01		
399.02		52.629
399.05		52.628
399.14	23.008	52.626
399.24		52.623
399.34		52.621
399.44		52.618
399.54	23.007	52.615
399.64		52.613
399.74		52.61
399.84	23.006	52.607
399.94		52.605
400.		52.603
400.01		
400.02		
400.05		52.602
400.14		52.599
400.24	23.005	52.597
400.34		52.594
400.44		52.592
400.54	23.004	52.589
400.64		52.586
400.74		52.584
400.84		52.581
400.94	23.003	52.579
401.		52.577
401.01		
401.02		
401.05		52.576
401.14		52.573
401.24	23.002	52.571
401.34		52.568
401.44		52.566
401.54		52.563
401.64	23.001	52.56
401.74		52.558
401.84		52.555
401.94	23.	52.553
402.		52.551
402.01		
402.02		
402.05		52.55
402.14		52.548
402.24		52.545
402.34	22.999	52.542
402.44		52.54
402.54		52.537
402.64		52.535
402.74	22.998	52.532
402.84		52.53
402.94		52.527
403.		52.526
403.01		52.525
403.02		
403.05	22.997	52.524
403.14		52.522
403.24		52.519
403.34		52.517
403.44		52.514

403.54	22.996	52.512
403.64		52.509
403.74		52.507
403.84	22.995	52.504
403.94		52.502
404.		52.5
404.01		
404.02		52.499
404.05		
404.14	22.994	52.496
404.24		52.494
404.34		52.491
404.44		52.489
404.54	22.993	52.486
404.64		52.484
404.74		52.481
404.84	22.992	52.478
404.94		52.476
405.		52.474
405.01		
405.02		
405.05		52.473
405.14		52.471
405.24	22.991	52.468
405.34		52.466
405.44		52.463
405.54	22.99	52.46
405.64		52.458
405.74		52.455
405.84		52.453
405.94	22.989	52.45
406.		52.449
406.01		52.448
406.02		
406.05		52.447
406.14		52.445
406.24		52.443
406.34	22.988	52.44
406.44		52.438
406.54		52.435
406.64	22.987	52.433
406.74		52.43
406.84		52.428
406.94		52.425
407.	22.986	52.424
407.01		
407.02		52.423
407.05		
407.14		52.421
407.24		52.418
407.34		52.416
407.44	22.985	52.413
407.54		52.411
407.64		52.409
407.74		52.406
407.84	22.984	52.404
407.94		52.401
408.		52.4
408.01		
408.02		

408.05		52.399
408.14		52.397
408.24	22.983	52.394
408.34		52.392
408.44		52.39
408.54		52.387
408.64	22.982	52.385
408.74		52.382
408.84		52.38
408.94		52.378
409.	22.981	52.376
409.01		
409.02		
409.05		52.375
409.14		52.373
409.24		52.37
409.34		52.368
409.44	22.98	52.366
409.54		52.363
409.64		52.361
409.74		52.358
409.84	22.979	52.356
409.94		52.354
410.		52.352
410.01		
410.02		
410.05		52.351
410.14		52.349
410.24	22.978	52.346
410.34		52.344
410.44		52.341
410.54		52.339
410.64	22.977	52.337
410.74		52.334
410.84		52.332
410.94		52.329
411.	22.976	52.328
411.01		
411.02		
411.05		52.327
411.14		52.325
411.24		52.322
411.34		52.32
411.44	22.975	52.318
411.54		52.315
411.64		52.313
411.74		52.311
411.84	22.974	52.308
411.94		52.306
412.		52.305
412.01		52.304
412.02		
412.05		52.303
412.14		52.301
412.24	22.973	52.299
412.34		52.297
412.44		52.294
412.54		52.292
412.64		52.289
412.74		52.287

412.84	22.972	52.285
412.94		52.282
413.		52.281
413.01		
413.02		52.28
413.05		
413.14	22.971	52.278
413.24		52.275
413.34		52.273
413.44		52.27
413.54	22.97	52.268
413.64		52.266
413.74		52.263
413.84		52.261
413.94	22.969	52.258
414.		52.257
414.01		
414.02		
414.05		52.256
414.14		52.254
414.24		52.251
414.34	22.968	52.249
414.44		52.247
414.54		52.244
414.64		52.242
414.74	22.967	52.239
414.84		52.237
414.94		52.235
415.		52.233
415.01		
415.02		
415.05		52.232
415.14	22.966	52.23
415.24		52.228
415.34		52.225
415.44		52.223
415.54		52.221
415.64	22.965	52.218
415.74		52.216
415.84		52.214
415.94		52.211
416.	22.964	52.21
416.01		
416.02		52.209
416.05		
416.14		52.206
416.24		52.204
416.34		52.202
416.44	22.963	52.199
416.54		52.197
416.64		52.195
416.74		52.192
416.84	22.962	52.19
416.94		52.187
417.		52.186
417.01		
417.02		
417.05		52.185
417.14		52.183
417.24		52.18

417.34	22.961	52.178
417.44		52.176
417.54		52.173
417.64	22.96	52.171
417.74		52.169
417.84		52.166
417.94		52.164
418.		52.163
418.01		52.162
418.02		
418.05		52.161
418.14	22.959	52.159
418.24		52.157
418.34		52.155
418.44		52.152
418.54	22.958	52.15
418.64		52.148
418.74		52.146
418.84		52.143
418.94	22.957	52.141
419.		52.14
419.01		52.139
419.02		
419.05		52.138
419.14		52.136
419.24		52.134
419.34		52.132
419.44	22.956	52.129
419.54		52.127
419.64		52.125
419.74		52.122
419.84	22.955	52.12
419.94		52.118
420.		52.116
420.01		
420.02		
420.05		52.115
420.14		52.113
420.24		52.111
420.34	22.954	52.108
420.44		52.106
420.54		52.104
420.64		52.101
420.74	22.953	52.099
420.84		52.097
420.94		52.094
421.		52.093
421.01		
421.02		52.092
421.05		
421.14	22.952	52.09
421.24		52.087
421.34		52.085
421.44		52.083
421.54		52.08
421.64	22.951	52.078
421.74		52.075
421.84		52.073
421.94		52.071
422.		

422.01	22.95	52.069
422.02		
422.05		52.068
422.14		52.066
422.24		52.063
422.34		52.061
422.44	22.949	52.059
422.54		52.056
422.64		52.054
422.74		52.051
422.84	22.948	52.049
422.94		52.046
423.		52.045
423.01		
423.02		52.044
423.05		
423.14		52.042
423.24	22.947	52.039
423.34		52.037
423.44		52.034
423.54		52.032
423.64	22.946	52.029
423.74		52.027
423.84		52.025
423.94		52.022
424.		52.021
424.01		
424.02		52.02
424.05	22.945	
424.14		52.017
424.24		52.015
424.34		52.013
424.44		52.01
424.54	22.944	52.008
424.64		52.006
424.74		52.003
424.84		52.001
424.94	22.943	51.998
425.		51.997
425.01		
425.02		
425.05		51.996
425.14		51.994
425.24		51.991
425.34	22.942	51.989
425.44		51.987
425.54		51.984
425.64		51.982
425.74		51.98
425.84	22.941	51.977
425.94		51.975
426.		51.973
426.01		
426.02		
426.05		51.972
426.14		51.97
426.24	22.94	51.968
426.34		51.965
426.44		51.963
426.54		51.961

426.64		51.958
426.74	22.939	51.956
426.84		51.953
426.94		51.951
427.		51.95
427.01		51.949
427.02		
427.05		51.948
427.14	22.938	51.946
427.24		51.944
427.34		51.941
427.44		51.939
427.54		51.937
427.64	22.937	51.934
427.74		51.932
427.84		51.929
427.94		51.927
428.	22.936	51.925
428.01		
428.02		
428.05		51.924
428.14		51.922
428.24		51.919
428.34		51.917
428.44	22.935	51.915
428.54		51.912
428.64		51.91
428.74		51.907
428.84		51.905
428.94	22.934	51.902
429.		51.901
429.01		51.9
429.02		
429.05		51.899
429.14		51.897
429.24		51.895
429.34	22.933	51.892
429.44		51.89
429.54		51.887
429.64		51.885
429.74	22.932	51.882
429.84		51.88
429.94		51.877
430.		51.876
430.01		51.875
430.02		
430.05		51.874
430.14	22.931	51.872
430.24		51.87
430.34		51.867
430.44		51.865
430.54	22.93	51.862
430.64		51.859
430.74		51.857
430.84		51.854
430.94	22.929	51.852
431.		51.85
431.01		
431.02		
431.05		51.849

431.14		51.847
431.24		51.844
431.34	22.928	51.841
431.44		51.839
431.54		51.836
431.64		51.834
431.74		51.831
431.84	22.927	51.828
431.94		51.826
432.		51.824
432.01		
432.02		
432.05		51.823
432.14		51.821
432.24	22.926	51.818
432.34		51.816
432.44		51.813
432.54		51.81
432.64	22.925	51.808
432.74		51.805
432.84		51.803
432.94		51.8
433.	22.924	51.799
433.01		51.798
433.02		
433.05		51.797
433.14		51.795
433.24		51.793
433.34		51.79
433.44	22.923	51.787
433.54		51.785
433.64		51.782
433.74		51.78
433.84		51.777
433.94	22.922	51.775
434.		51.773
434.01		
434.02		
434.05		51.772
434.14		51.77
434.24		51.767
434.34	22.921	51.765
434.44		51.762
434.54		51.76
434.64		51.757
434.74	22.92	51.755
434.84		51.752
434.94		51.75
435.		51.748
435.01		
435.02		
435.05		51.747
435.14		51.745
435.24	22.919	51.742
435.34		51.74
435.44		51.737
435.54		51.735
435.64		51.732
435.74		51.73
435.84		51.727

435.94	22.918	51.725
436.		51.723
436.01		
436.02		
436.05		51.722
436.14	22.917	51.72
436.24		51.717
436.34		51.715
436.44		51.712
436.54		51.71
436.64	22.916	51.707
436.74		51.705
436.84		51.702
436.94		51.7
437.		51.698
437.01		
437.02		
437.05	22.915	51.697
437.14		51.695
437.24		51.692
437.34		51.69
437.44		51.687
437.54	22.914	51.685
437.64		51.683
437.74		51.68
437.84		51.678
437.94		51.675
438.	22.913	51.674
438.01		51.673
438.02		
438.05		51.672
438.14		51.67
438.24		51.668
438.34		51.665
438.44		51.663
438.54	22.912	51.66
438.64		51.658
438.74		51.655
438.84		51.652
438.94	22.911	51.65
439.		51.648
439.01		
439.02		
439.05		51.647
439.14		51.645
439.24		51.642
439.34		51.64
439.44	22.91	51.637
439.54		51.634
439.64		51.632
439.74		51.629
439.84	22.909	51.627
439.94		51.624
440.		51.622
440.01		
440.02		
440.05		51.621
440.14		51.619
440.24		51.616
440.34		51.614

440.44	22.908	51.611
440.54		51.609
440.64		51.606
440.74	22.907	51.603
440.84		51.601
440.94		51.598
441.		51.597
441.01		51.596
441.02		
441.05		51.595
441.14		51.593
441.24	22.906	51.59
441.34		51.587
441.44		51.585
441.54		51.582
441.64	22.905	51.579
441.74		51.577
441.84		51.574
441.94		51.571
442.		51.569
442.01		
442.02		
442.05	22.904	51.568
442.14		51.566
442.24		51.563
442.34		51.56
442.44	22.903	51.557
442.54		51.554
442.64		51.552
442.74		51.549
442.84		51.546
442.94	22.902	51.543
443.		51.542
443.01		51.541
443.02		
443.05		51.54
443.14		51.538
443.24		51.535
443.34	22.901	51.532
443.44		51.529
443.54		51.526
443.64		51.524
443.74	22.9	51.521
443.84		51.518
443.94		51.515
444.		51.514
444.01		51.513
444.02		
444.05		51.512
444.14	22.899	51.51
444.24		51.507
444.34		51.504
444.44		51.501
444.54	22.898	51.498
444.64		51.496
444.74		51.493
444.84		51.49
444.94		51.487
445.		51.486
445.01		51.485

445.02	22.897	
445.05		51.484
445.14		51.482
445.24		51.479
445.34		51.476
445.44	22.896	51.473
445.54		51.471
445.64		51.468
445.74		51.465
445.84	22.895	51.462
445.94		51.46
446.		51.458
446.01		
446.02		51.457
446.05		
446.14		51.454
446.24	22.894	51.451
446.34		51.449
446.44		51.446
446.54		51.443
446.64		51.44
446.74	22.893	51.438
446.84		51.435
446.94		51.432
447.		51.43
447.01		
447.02		
447.05		51.429
447.14	22.892	51.426
447.24		51.424
447.34		51.421
447.44		51.418
447.54		51.415
447.64	22.891	51.413
447.74		51.41
447.84		51.407
447.94		51.405
448.		51.403
448.01		
448.02		51.402
448.05		
448.14	22.89	51.399
448.24		51.396
448.34		51.394
448.44		51.391
448.54	22.889	51.388
448.64		51.385
448.74		51.383
448.84		51.38
448.94		51.377
449.		51.376
449.01		
449.02	22.888	51.375
449.05		51.374
449.14		51.372
449.24		51.369
449.34		51.367
449.44		51.364
449.54		51.362
449.64		51.359

449.74	22.887	51.356
449.84		51.354
449.94		51.351
450.		51.349
450.01		
450.02		
450.05	22.886	51.348
450.14		51.346
450.24		51.343
450.34		51.341
450.44		51.338
450.54		51.335
450.64	22.885	51.333
450.74		51.33
450.84		51.327
450.94		51.325
451.		51.323
451.01		
451.02		
451.05		51.322
451.14	22.884	51.319
451.24		51.317
451.34		51.314
451.44		51.311
451.54		51.309
451.64	22.883	51.306
451.74		51.303
451.84		51.301
451.94		51.298
452.		51.297
452.01		51.296
452.02		
452.05		51.295
452.14	22.882	51.293
452.24		51.29
452.34		51.288
452.44		51.285
452.54		51.282
452.64	22.881	51.28
452.74		51.277
452.84		51.274
452.94		51.272
453.		51.27
453.01		
453.02		
453.05		51.269
453.14	22.88	51.267
453.24		51.264
453.34		51.261
453.44		51.259
453.54		51.256
453.64	22.879	51.253
453.74		51.251
453.84		51.248
453.94		51.246
454.		51.244
454.01		
454.02		
454.05		51.243
454.14		51.24

454.24	22.878	51.238
454.34		51.235
454.44		51.233
454.54		51.23
454.64		51.228
454.74	22.877	51.225
454.84		51.222
454.94		51.22
455.		51.218
455.01		
455.02		
455.05		51.217
455.14		51.215
455.24	22.876	51.212
455.34		51.209
455.44		51.207
455.54		51.204
455.64		51.202
455.74		51.199
455.84	22.875	51.197
455.94		51.194
456.		51.192
456.01		
456.02		
456.05		51.191
456.14		51.189
456.24		51.186
456.34	22.874	51.184
456.44		51.181
456.54		51.178
456.64		51.176
456.74		51.173
456.84		51.171
456.94	22.873	51.168
457.		51.167
457.01		51.166
457.02		
457.05		51.165
457.14		51.163
457.24		51.16
457.34		51.158
457.44	22.872	51.155
457.54		51.153
457.64		51.15
457.74		51.148
457.84		51.145
457.94		51.142
458.	22.871	51.141
458.01		
458.02		51.14
458.05		
458.14		51.137
458.24		51.135
458.34		51.132
458.44		51.13
458.54	22.87	51.127
458.64		51.125
458.74		51.122
458.84		51.12
458.94		51.117

459.		51.116
459.01		51.115
459.02		
459.05	22.869	51.114
459.14		51.112
459.24		51.109
459.34		51.107
459.44		51.104
459.54		51.102
459.64	22.868	51.099
459.74		51.097
459.84		51.094
459.94		51.092
460.		51.09
460.01		
460.02		
460.05		51.089
460.14		51.087
460.24	22.867	51.084
460.34		51.081
460.44		51.079
460.54		51.076
460.64		51.074
460.74	22.866	51.071
460.84		51.069
460.94		51.066
461.		51.065
461.01		51.064
461.02		
461.05		51.063
461.14		51.061
461.24		51.059
461.34	22.865	51.056
461.44		51.054
461.54		51.051
461.64		51.048
461.74		51.046
461.84	22.864	51.043
461.94		51.041
462.		51.039
462.01		
462.02		
462.05		51.038
462.14		51.036
462.24		51.033
462.34		51.031
462.44	22.863	51.028
462.54		51.026
462.64		51.023
462.74		51.021
462.84		51.018
462.94	22.862	51.015
463.		51.014
463.01		
463.02		51.013
463.05		
463.14		51.01
463.24		51.008
463.34		51.005
463.44		51.003

463.54		51.
463.64		50.998
463.74		50.995
463.84	22.861	50.993
463.94		50.99
464.		
464.01		50.988
464.02		
464.05		50.987
464.14		50.985
464.24	22.86	50.982
464.34		50.98
464.44		50.977
464.54		50.975
464.64		50.972
464.74		50.97
464.84		50.967
464.94	22.859	50.965
465.		
465.01		50.963
465.02		
465.05		50.962
465.14		50.96
465.24		50.957
465.34	22.858	50.955
465.44		50.952
465.54		50.95
465.64		50.947
465.74		50.945
465.84		50.942
465.94		50.94
466.		
466.01	22.857	50.938
466.02		
466.05		50.937
466.14		50.935
466.24		50.932
466.34		50.93
466.44		50.927
466.54	22.856	50.925
466.64		50.922
466.74		50.92
466.84		50.917
466.94		50.915
467.		
467.01		50.913
467.02		
467.05	22.855	50.912
467.14		50.91
467.24		50.908
467.34		50.905
467.44		50.903
467.54		50.9
467.64		50.898
467.74		50.895
467.84	22.854	50.893
467.94		50.89
468.		50.889
468.01		
468.02		50.888

468.05		
468.14	22.853	50.885
468.24		50.883
468.34		50.88
468.44		50.878
468.54		50.876
468.64	22.852	50.873
468.74		50.871
468.84		50.868
468.94		50.866
469.		50.864
469.01		
469.02		
469.05		50.863
469.14		50.861
469.24	22.851	50.858
469.34		50.856
469.44		50.853
469.54		50.851
469.64		50.848
469.74		50.846
469.84	22.85	50.843
469.94		50.841
470.		50.84
470.01		50.839
470.02		
470.05		50.838
470.14		50.836
470.24		50.834
470.34		50.831
470.44	22.849	50.829
470.54		50.826
470.64		50.824
470.74		50.822
470.84		50.819
470.94		50.817
471.	22.848	50.815
471.01		
471.02		
471.05		50.814
471.14		50.812
471.24		50.81
471.34		50.807
471.44		50.805
471.54		50.803
471.64	22.847	50.8
471.74		50.798
471.84		50.795
471.94		50.793
472.		50.792
472.01		50.791
472.02		
472.05		
472.14		50.788
472.24		50.786
472.34	22.846	50.784
472.44		50.781
472.54		50.779
472.64		50.777
472.74		50.774

472.84		50.772
472.94	22.845	50.77
473.		50.768
473.01		
473.02		
473.05		50.767
473.14		50.765
473.24		50.763
473.34		50.76
473.44		50.758
473.54		50.756
473.64	22.844	50.754
473.74		50.751
473.84		50.749
473.94		50.747
474.		50.745
474.01		
474.02		
474.05		50.744
474.14		50.742
474.24		50.74
474.34	22.843	50.738
474.44		50.736
474.54		50.733
474.64		50.731
474.74		50.729
474.84		50.727
474.94		50.725
475.	22.842	50.723
475.01		
475.02		
475.05		50.722
475.14		50.72
475.24		50.718
475.34		50.716
475.44		50.714
475.54		50.712
475.64		50.709
475.74	22.841	50.707
475.84		50.705
475.94		50.703
476.		50.702
476.01		50.701
476.02		
476.05		50.7
476.14		50.698
476.24		50.696
476.34		50.694
476.44	22.84	50.692
476.54		50.69
476.64		50.688
476.74		50.685
476.84		50.683
476.94		50.681
477.		50.68
477.01		
477.02		50.679
477.05		
477.14		50.677
477.24		50.675

477.34	22.839	50.672
477.44		50.67
477.54		50.668
477.64		50.666
477.74		50.664
477.84		50.661
477.94	22.838	50.659
478.		50.658
478.01		
478.02		50.657
478.05		
478.14		50.655
478.24		50.652
478.34		50.65
478.44		50.648
478.54	22.837	50.646
478.64		50.643
478.74		50.641
478.84		50.639
478.94		50.636
479.		50.635
479.01		
479.02		
479.05		50.634
479.14		50.632
479.24	22.836	50.63
479.34		50.627
479.44		50.625
479.54		50.623
479.64		50.62
479.74		50.618
479.84	22.835	50.616
479.94		50.614
480.		50.612
480.01		
480.02		
480.05		50.611
480.14		50.609
480.24		50.607
480.34		50.605
480.44	22.834	50.602
480.54		50.6
480.64		50.598
480.74		50.595
480.84		50.593
480.94		50.591
481.		50.59
481.01	22.833	50.589
481.02		
481.05		50.588
481.14		50.586
481.24		50.584
481.34		50.582
481.44		50.58
481.54		50.577
481.64	22.832	50.575
481.74		50.573
481.84		50.571
481.94		50.568
482.		50.567

482.01		
482.02		50.566
482.05		
482.14		50.564
482.24		50.562
482.34	22.831	50.559
482.44		50.557
482.54		50.555
482.64		50.553
482.74		50.55
482.84		50.548
482.94	22.83	50.546
483.		50.545
483.01		50.544
483.02		
483.05		
483.14		50.542
483.24		50.539
483.34		50.537
483.44		50.535
483.54		50.533
483.64	22.829	50.531
483.74		50.528
483.84		50.526
483.94		50.524
484.		50.523
484.01		
484.02		50.522
484.05		
484.14		50.52
484.24		50.518
484.34	22.828	50.516
484.44		50.513
484.54		50.511
484.64		50.509
484.74		50.507
484.84		50.505
484.94		50.503
485.	22.827	50.501
485.01		
485.02		
485.05		50.5
485.14		50.498
485.24		50.496
485.34		50.494
485.44		50.492
485.54		50.49
485.64		50.487
485.74	22.826	50.485
485.84		50.483
485.94		50.481
486.		50.479
486.01		
486.02		
486.05		50.478
486.14		50.476
486.24		50.474
486.34		50.472
486.44		50.47
486.54		50.468

486.64	22.825	50.465
486.74		50.463
486.84		50.461
486.94		50.459
487.	22.824	50.457
487.01		
487.02		
487.05		50.456
487.14		50.454
487.24		50.452
487.34		50.45
487.44		50.448
487.54		50.445
487.64		50.443
487.74	22.823	50.441
487.84		50.439
487.94		50.436
488.		50.435
488.01		
488.02		
488.05		50.434
488.14		50.432
488.24		50.43
488.34	22.822	50.428
488.44		50.425
488.54		50.423
488.64		50.421
488.74		50.419
488.84		50.416
488.94	22.821	50.414
489.		50.413
489.01		50.412
489.02		
489.05		
489.14		50.409
489.24		50.407
489.34		50.405
489.44		50.403
489.54		50.4
489.64	22.82	50.398
489.74		50.396
489.84		50.393
489.94		50.391
490.		50.39
490.01		50.389
490.02		
490.05		50.388
490.14		50.386
490.24	22.819	50.384
490.34		50.381
490.44		50.379
490.54		50.377
490.64		50.374
490.74		50.372
490.84	22.818	50.369
490.94		50.367
491.		50.366
491.01		50.365
491.02		
491.05		50.364

491.14		50.362
491.24		50.36
491.34	22.817	50.357
491.44		50.355
491.54		50.352
491.64		50.35
491.74		50.348
491.84		50.345
491.94	22.816	50.343
492.		50.341
492.01		
492.02		
492.05		50.34
492.14		50.338
492.24		50.335
492.34		50.333
492.44	22.815	50.33
492.54		50.328
492.64		50.326
492.74		50.323
492.84		50.321
492.94		50.318
493.	22.814	50.317
493.01		50.316
493.02		
493.05		50.315
493.14		50.313
493.24		50.311
493.34		50.308
493.44		50.306
493.54	22.813	50.303
493.64		50.301
493.74		50.299
493.84		50.296
493.94		50.294
494.		50.292
494.01		
494.02		
494.05		50.291
494.14	22.812	50.289
494.24		50.287
494.34		50.284
494.44		50.282
494.54		50.279
494.64		50.277
494.74	22.811	50.274
494.84		50.272
494.94		50.27
495.		50.268
495.01		
495.02		
495.05		50.267
495.14		50.265
495.24		50.262
495.34	22.81	50.26
495.44		50.257
495.54		50.255
495.64		50.253
495.74		50.25
495.84		50.248

495.94	22.809	50.245
496.		50.244
496.01		
496.02		50.243
496.05		
496.14		50.24
496.24		50.238
496.34		50.236
496.44	22.808	50.233
496.54		50.231
496.64		50.228
496.74		50.226
496.84		50.223
496.94		50.221
497.		50.22
497.01		50.219
497.02	22.807	
497.05		50.218
497.14		50.216
497.24		50.214
497.34		50.211
497.44		50.209
497.54		50.206
497.64	22.806	50.204
497.74		50.201
497.84		50.199
497.94		50.197
498.		50.195
498.01		
498.02		
498.05		50.194
498.14		50.192
498.24	22.805	50.189
498.34		50.187
498.44		50.184
498.54		50.182
498.64		50.18
498.74		50.177
498.84	22.804	50.175
498.94		50.172
499.		50.171
499.01		
499.02		50.17
499.05		
499.14		50.168
499.24		50.165
499.34		50.163
499.44		50.16
499.54	22.803	50.158
499.64		50.156
499.74		50.153
499.84		50.151
499.94		50.148
500.		50.147
500.01		
500.02		50.146
500.05		
500.14		50.144
500.24		50.141
500.34		50.139

500.44	22.802	50.136
500.54		50.134
500.64		50.132
500.74		50.129
500.84	22.801	50.127
500.94		50.124
501.		50.123
501.01		
501.02		50.122
501.05		
501.14		50.12
501.24		50.117
501.34		50.115
501.44	22.8	50.112
501.54		50.11
501.64		50.108
501.74		50.105
501.84		50.103
501.94		50.1
502.		50.099
502.01		
502.02		
502.05		50.098
502.14	22.799	50.096
502.24		50.093
502.34		50.091
502.44		50.089
502.54		50.086
502.64		50.084
502.74		50.082
502.84	22.798	50.079
502.94		50.077
503.		50.076
503.01		50.075
503.02		
503.05		50.074
503.14		50.072
503.24		50.07
503.34		50.068
503.44		50.065
503.54	22.797	50.063
503.64		50.061
503.74		50.058
503.84		50.056
503.94		50.054
504.		50.052
504.01		
504.02		
504.05		50.051
504.14		50.049
504.24	22.796	50.047
504.34		50.045
504.44		50.042
504.54		50.04
504.64		50.038
504.74		50.035
504.84		50.033
504.94		50.031
505.		50.029
505.01		

505.02		
505.05		50.028
505.14		50.026
505.24	22.795	50.024
505.34		50.022
505.44		50.019
505.54		50.017
505.64		50.015
505.74		50.012
505.84		50.01
505.94		50.008
506.		
506.01	22.794	50.006
506.02		
506.05		50.005
506.14		50.003
506.24		50.001
506.34		49.999
506.44		49.996
506.54		49.994
506.64		49.992
506.74		49.99
506.84	22.793	49.987
506.94		49.985
507.		49.984
507.01		
507.02		49.983
507.05		
507.14		49.98
507.24		49.978
507.34		49.976
507.44	22.792	49.974
507.54		49.971
507.64		49.969
507.74		49.967
507.84		49.965
507.94		49.962
508.		
508.01		49.961
508.02		
508.05		49.96
508.14	22.791	49.958
508.24		49.956
508.34		49.953
508.44		49.951
508.54		49.949
508.64		49.946
508.74		49.944
508.84		49.942
508.94		49.94
509.		
509.01	22.79	49.938
509.02		
509.05		49.937
509.14		49.935
509.24		49.933
509.34		49.931
509.44		49.928
509.54		49.926
509.64		49.924

509.74	22.789	49.922
509.84		49.92
509.94		49.917
510.		49.916
510.01		
510.02		
510.05		49.915
510.14		49.913
510.24	22.788	49.911
510.34		49.908
510.44		49.906
510.54		49.904
510.64		49.902
510.74		49.9
510.84		49.897
510.94		49.895
511.	22.787	49.894
511.01		
511.02		49.893
511.05		
511.14		49.891
511.24		49.888
511.34		49.886
511.44		49.884
511.54		49.882
511.64		49.879
511.74	22.786	49.877
511.84		49.875
511.94		49.873
512.		49.871
512.01		
512.02		
512.05		49.87
512.14		49.868
512.24		49.866
512.34		49.864
512.44		49.861
512.54	22.785	49.859
512.64		49.857
512.74		49.855
512.84		49.852
512.94		49.85
513.		49.849
513.01		49.848
513.02		
513.05		
513.14		49.845
513.24	22.784	49.843
513.34		49.841
513.44		49.839
513.54		49.837
513.64		49.834
513.74		49.832
513.84		49.83
513.94		49.828
514.	22.783	49.826
514.01		
514.02		
514.05		49.825
514.14		49.823

514.24		49.821
514.34		49.819
514.44		49.817
514.54		49.814
514.64		49.812
514.74		49.81
514.84		49.808
514.94		49.806
515.		49.804
515.01		
515.02	22.782	
515.05		49.803
515.14		49.801
515.24		49.799
515.34		49.797
515.44		49.795
515.54		49.793
515.64		49.79
515.74		49.788
515.84		49.786
515.94		49.784
516.	22.781	49.783
516.01		49.782
516.02		
516.05		
516.14		49.78
516.24		49.777
516.34		49.775
516.44		49.773
516.54		49.771
516.64		49.769
516.74		49.767
516.84	22.78	49.764
516.94		49.762
517.		49.761
517.01		
517.02		49.76
517.05		
517.14		49.758
517.24		49.756
517.34		49.754
517.44	22.779	49.751
517.54		49.749
517.64		49.747
517.74		49.745
517.84		49.743
517.94		49.74
518.		49.739
518.01		
518.02		
518.05		49.738
518.14	22.778	49.736
518.24		49.734
518.34		49.732
518.44		49.73
518.54		49.727
518.64		49.725
518.74		49.723
518.84		49.721
518.94		49.719

519.	22.777	49.717
519.01		
519.02		
519.05		49.716
519.14		49.714
519.24		49.712
519.34		49.71
519.44		49.708
519.54	22.776	49.706
519.64		49.704
519.74		49.701
519.84		49.699
519.94		49.697
520.		49.696
520.01		
520.02		49.695
520.05		
520.14		49.693
520.24		49.691
520.34	22.775	49.688
520.44		49.686
520.54		49.684
520.64		49.682
520.74		49.68
520.84		49.678
520.94		49.676
521.		49.674
521.01		
521.02		
521.05		49.673
521.14	22.774	49.671
521.24		49.669
521.34		49.667
521.44		49.665
521.54		49.663
521.64		49.66
521.74		49.658
521.84		49.656
521.94	22.773	49.654
522.		49.653
522.01		
522.02		49.652
522.05		
522.14		49.65
522.24		49.647
522.34		49.645
522.44		49.643
522.54		49.641
522.64		49.639
522.74	22.772	49.637
522.84		49.635
522.94		49.632
523.		49.631
523.01		
523.02		
523.05		49.63
523.14		49.628
523.24		49.626
523.34		49.624
523.44		49.622

523.54		49.62
523.64		49.618
523.74		49.615
523.84		49.613
523.94		49.611
524.	22.771	49.61
524.01		
524.02		49.609
524.05		
524.14		49.607
524.24		49.605
524.34		49.602
524.44		49.6
524.54		49.598
524.64		49.596
524.74		49.594
524.84		49.592
524.94	22.77	49.59
525.		49.588
525.01		
525.02		
525.05		49.587
525.14		49.585
525.24		49.583
525.34		49.581
525.44		49.579
525.54	22.769	49.577
525.64		49.574
525.74		49.572
525.84		49.57
525.94		49.568
526.		49.567
526.01		49.566
526.02		
526.05		
526.14	22.768	49.564
526.24		49.561
526.34		49.559
526.44		49.557
526.54		49.555
526.64		49.553
526.74		49.551
526.84		49.549
526.94		49.546
527.		49.545
527.01		
527.02	22.767	
527.05		49.544
527.14		49.542
527.24		49.54
527.34		49.538
527.44		49.536
527.54		49.533
527.64		49.531
527.74		49.529
527.84		49.527
527.94	22.766	49.525
528.		49.524
528.01		49.523
528.02		

528.05		
528.14		49.521
528.24		49.518
528.34		49.516
528.44		49.514
528.54		49.512
528.64		49.51
528.74		49.508
528.84	22.765	49.506
528.94		49.503
529.		
529.01		49.502
529.02		
529.05		49.501
529.14		49.499
529.24		49.497
529.34		49.495
529.44		49.493
529.54	22.764	49.49
529.64		49.488
529.74		49.486
529.84		49.484
529.94		49.482
530.		49.481
530.01		
530.02		49.48
530.05		49.479
530.14	22.763	49.478
530.24		49.475
530.34		49.473
530.44		49.471
530.54		49.469
530.64		49.467
530.74		49.465
530.84		49.463
530.94		49.46
531.		
531.01		49.459
531.02	22.762	
531.05		49.458
531.14		49.456
531.24		49.454
531.34		49.452
531.44		49.45
531.54		49.448
531.64		49.445
531.74		49.443
531.84		49.441
531.94		49.439
532.	22.761	49.438
532.01		
532.02		49.437
532.05		
532.14		49.435
532.24		49.433
532.34		49.43
532.44		49.428
532.54		49.426
532.64		49.424
532.74		49.422

532.84		49.42
532.94		49.418
533.		
533.01	22.76	49.416
533.02		
533.05		49.415
533.14		49.413
533.24		49.411
533.34		49.409
533.44		49.407
533.54	22.759	49.405
533.64		49.403
533.74		49.4
533.84		49.398
533.94		49.396
534.		
534.01		49.395
534.02		
534.05		49.394
534.14		49.392
534.24	22.758	49.39
534.34		49.388
534.44		49.386
534.54		49.383
534.64		49.381
534.74		49.379
534.84		49.377
534.94		49.375
535.		49.374
535.01		
535.02		49.373
535.05	22.757	
535.14		49.371
535.24		49.369
535.34		49.367
535.44		49.364
535.54		49.362
535.64		49.36
535.74		49.358
535.84		49.356
535.94		49.354
536.		49.353
536.01		
536.02	22.756	49.352
536.05		
536.14		49.35
536.24		49.348
536.34		49.345
536.44		49.343
536.54		49.341
536.64		49.339
536.74		49.337
536.84		49.335
536.94		49.333
537.	22.755	49.332
537.01		49.331
537.02		
537.05		49.33
537.14		49.329
537.24		49.326

537.34		49.324
537.44	22.754	49.322
537.54		49.32
537.64		49.318
537.74		49.316
537.84		49.314
537.94		49.312
538.		49.31
538.01		
538.02		
538.05		49.309
538.14		49.307
538.24	22.753	49.305
538.34		49.303
538.44		49.301
538.54		49.299
538.64		49.297
538.74		49.295
538.84		49.293
538.94		49.291
539.		49.289
539.01		
539.02		
539.05	22.752	49.288
539.14		49.286
539.24		49.284
539.34		49.282
539.44		49.28
539.54		49.278
539.64		49.276
539.74		49.274
539.84		49.272
539.94	22.751	49.27
540.		49.268
540.01		
540.02		
540.05		49.267
540.14		49.265
540.24		49.263
540.34		49.261
540.44		49.259
540.54		49.257
540.64		49.255
540.74		49.253
540.84	22.75	49.251
540.94		49.248
541.		49.247
541.01		
541.02		
541.05		49.246
541.14		49.244
541.24		49.242
541.34		49.24
541.44		49.238
541.54		49.236
541.64		49.234
541.74		49.232
541.84		49.23
541.94		49.228
542.		

542.01	22.749	49.226
542.02		
542.05		49.225
542.14		49.223
542.24		49.221
542.34		49.219
542.44		49.217
542.54	22.748	49.215
542.64		49.213
542.74		49.211
542.84		49.209
542.94		49.207
543.		49.205
543.01		
543.02		
543.05		49.204
543.14		49.203
543.24		49.201
543.34		49.198
543.44	22.747	49.196
543.54		49.194
543.64		49.192
543.74		49.19
543.84		49.188
543.94		49.186
544.		49.185
544.01		
544.02		49.184
544.05		
544.14		49.182
544.24		49.18
544.34	22.746	49.178
544.44		49.176
544.54		49.174
544.64		49.172
544.74		49.17
544.84		49.168
544.94		49.166
545.		49.164
545.01		
545.02		
545.05		49.163
545.14		49.162
545.24	22.745	49.159
545.34		49.157
545.44		49.155
545.54		49.153
545.64		49.151
545.74		49.149
545.84		49.147
545.94		49.145
546.		49.144
546.01		
546.02		
546.05		49.143
546.14		49.141
546.24		49.139
546.34		49.137
546.44		49.135
546.54		49.133

546.64	22.744	49.131
546.74		49.129
546.84		49.127
546.94		49.125
547.		49.124
547.01		
547.02		49.123
547.05		
547.14	22.743	49.121
547.24		49.119
547.34		49.117
547.44		49.115
547.54		49.113
547.64		49.111
547.74		49.109
547.84		49.107
547.94		49.105
548.	22.742	49.103
548.01		
548.02		
548.05		49.102
548.14		49.1
548.24		49.098
548.34		49.096
548.44		49.094
548.54		49.092
548.64		49.09
548.74		49.088
548.84		49.086
548.94	22.741	49.084
549.		49.083
549.01		
549.02		
549.05		49.082
549.14		49.08
549.24		49.078
549.34		49.076
549.44		49.074
549.54		49.072
549.64		49.07
549.74		49.068
549.84	22.74	49.066
549.94		49.064
550.		49.063
550.01		49.062
550.02		
550.05		
550.14		49.06
550.24		49.058
550.34		49.056
550.44		49.054
550.54		49.052
550.64		49.05
550.74	22.739	49.048
550.84		49.046
550.94		49.044
551.		49.042
551.01		
551.02		
551.05		49.041

551.14		49.039
551.24		49.037
551.34		49.035
551.44		49.033
551.54		49.031
551.64	22.738	49.029
551.74		49.027
551.84		49.025
551.94		49.023
552.		49.022
552.01		
552.02		
552.05		49.021
552.14		49.019
552.24		49.017
552.34		49.015
552.44		49.013
552.54	22.737	49.011
552.64		49.009
552.74		49.007
552.84		49.005
552.94		49.003
553.		49.002
553.01		49.001
553.02		
553.05		
553.14		48.999
553.24		48.997
553.34		48.995
553.44		48.993
553.54	22.736	48.991
553.64		48.989
553.74		48.987
553.84		48.985
553.94		48.983
554.		48.981
554.01		
554.02		
554.05		48.98
554.14		48.979
554.24		48.977
554.34		48.975
554.44	22.735	48.972
554.54		48.97
554.64		48.968
554.74		48.966
554.84		48.964
554.94		48.962
555.		48.961
555.05		48.96
555.1		48.959
555.25		48.956
555.7	22.734	48.947
556.2		48.937
556.7	22.733	48.927
557.2		48.918
557.7	22.732	48.908
558.2		48.898
558.7	22.731	48.889
559.2		48.88

559.7	22.73	48.87
560.		48.865
560.05		48.864
560.1		48.863
560.25		48.86
560.7	22.729	48.852
561.2		48.843
561.7	22.728	48.833
562.2		48.824
562.7		48.815
563.2	22.727	48.806
563.7		48.797
564.2	22.726	48.788
564.7		48.779
565.	22.725	48.773
565.05		48.772
565.1		48.771
565.25		48.768
565.7		48.76
566.2	22.724	48.751
566.7		48.742
567.2	22.723	48.733
567.7		48.724
568.2	22.722	48.715
568.7		48.706
569.2		48.696
569.7	22.721	48.687
570.		48.682
570.05		48.681
570.1		48.68
570.25		48.677
570.7	22.72	48.669
571.2		48.66
571.7	22.719	48.651
572.2		48.642
572.7	22.718	48.633
573.2		48.624
573.7	22.717	48.615
574.2		48.606
574.7	22.716	48.597
575.		48.591
575.05		48.59
575.1		48.589
575.25		48.587
575.7	22.715	48.579
576.2		48.57
576.7	22.714	48.561
577.2		48.552
577.7	22.713	48.542
578.2		48.533
578.7	22.712	48.524
579.2		48.515
579.7	22.711	48.506
580.		48.501
580.05		48.5
580.1		48.499
580.25		48.497
580.7		48.488
581.2	22.71	48.479
581.7		48.47

582.2	22.709	48.461
582.7		48.453
583.2	22.708	48.444
583.7		48.435
584.2	22.707	48.426
584.7		48.417
585.		48.411
585.05	22.706	48.41
585.1		48.409
585.25		48.407
585.7		48.399
586.2	22.705	48.39
586.7		48.381
587.2	22.704	48.372
587.7		48.363
588.2		48.354
588.7	22.703	48.345
589.2		48.336
589.7	22.702	48.327
590.		48.322
590.05		48.321
590.1		48.32
590.25		48.318
590.7	22.701	48.31
591.2		48.301
591.7	22.7	48.292
592.2		48.283
592.7	22.699	48.274
593.2		48.266
593.7		48.257
594.2	22.698	48.248
594.7		48.239
595.	22.697	48.234
595.05		48.233
595.1		48.232
595.25		48.23
595.7		48.222
596.2	22.696	48.213
596.7		48.204
597.2	22.695	48.195
597.7		48.186
598.2	22.694	48.178
598.7		48.169
599.2		48.16
599.7	22.693	48.151
600.		48.146
601.	22.692	48.129
602.	22.691	48.111
605.	22.688	48.059
614.	22.681	47.903
624.	22.673	47.73
634.	22.665	47.56
644.	22.657	47.39
654.	22.65	47.221
664.	22.642	47.054
674.	22.635	46.887
684.	22.628	46.722
694.	22.622	46.559
700.	22.618	46.461
701.	22.617	46.445

702.		46.429
705.	22.615	46.38
714.	22.609	46.235
724.	22.603	46.076
734.	22.597	45.917
744.	22.591	45.759
754.	22.585	45.602
764.	22.579	45.446
774.	22.574	45.291
784.	22.569	45.137
794.	22.563	44.985
800.	22.56	44.894
801.		44.879
802.	22.559	44.863
805.	22.558	44.818
814.	22.553	44.683
824.	22.548	44.533
834.	22.544	44.384
844.	22.539	44.236
854.	22.534	44.089
864.	22.53	43.943
874.	22.525	43.798
884.	22.521	43.654
894.	22.517	43.511
900.	22.514	43.426
901.		43.412
902.	22.513	43.397
905.	22.512	43.355
914.	22.508	43.228
924.	22.504	43.087
934.	22.5	42.947
944.	22.496	42.808
954.	22.493	42.67
964.	22.489	42.533
974.	22.485	42.397
984.	22.481	42.262
994.	22.478	42.127
1000.	22.476	42.047
1002.	22.475	42.02
1004.	22.474	41.993
1010.	22.472	41.913
1028.	22.466	41.675
1048.	22.459	41.415
1068.	22.453	41.157
1088.	22.447	40.903
1108.	22.441	40.651
1128.	22.435	40.403
1148.	22.429	40.157
1168.	22.424	39.914
1188.	22.419	39.674
1200.	22.415	39.53
1202.		39.507
1204.	22.414	39.483
1210.	22.413	39.411
1228.	22.408	39.2
1248.	22.403	38.968
1268.	22.398	38.739
1288.	22.394	38.512
1308.	22.389	38.287
1328.	22.385	38.065

1348.	22.38	37.846
1368.	22.376	37.629
1388.	22.372	37.414
1400.	22.37	37.286
1402.	22.369	37.265
1404.		37.243
1410.	22.368	37.18
1428.	22.364	36.991
1448.	22.36	36.783
1468.	22.356	36.578
1488.	22.353	36.375
1508.	22.349	36.174
1528.	22.346	35.976
1548.	22.342	35.779
1568.	22.339	35.585
1588.	22.335	35.393
1600.	22.329	35.278
1602.	22.328	35.259
1604.		35.24
1610.	22.325	35.183
1628.	22.316	35.014
1648.	22.307	34.828
1668.	22.298	34.644
1688.	22.29	34.462
1708.	22.281	34.282
1728.	22.273	34.104
1748.	22.265	33.928
1768.	22.258	33.753
1788.	22.25	33.581
1800.	22.246	33.478
1802.	22.245	33.461
1804.		33.444
1810.	22.242	33.393
1828.	22.236	33.241
1848.	22.229	33.074
1868.	22.222	32.909
1888.	22.216	32.745
1908.	22.21	32.584
1928.	22.203	32.424
1948.	22.197	32.266
1968.	22.191	32.109
1988.	22.186	31.954
2000.	22.182	31.862
2002.		31.847
2004.	22.181	31.831
2010.	22.179	31.785
2028.	22.174	31.649
2048.	22.169	31.499
2068.	22.164	31.351
2088.	22.159	31.204
2108.	22.154	31.059
2128.	22.149	30.915
2148.	22.144	30.773
2168.	22.139	30.632
2188.	22.135	30.493
2200.	22.132	30.41
2202.		30.396
2204.	22.131	30.382
2210.	22.13	30.341
2228.	22.126	30.218

2248.	22.122	30.084
2268.	22.117	29.95
2288.	22.113	29.818
2308.	22.109	29.688
2328.	22.105	29.558
2348.	22.102	29.431
2368.	22.098	29.304
2388.	22.094	29.179
2400.	22.092	29.104
2402.		29.092
2404.	22.091	29.079
2410.	22.09	29.042
2428.	22.087	28.932
2448.	22.083	28.81
2468.	22.08	28.69
2488.	22.077	28.572
2508.	22.073	28.454
2528.	22.07	28.338
2548.	22.067	28.223
2568.	22.064	28.109
2588.	22.061	27.996
2600.	22.059	27.929
2602.		27.918
2604.		27.907
2610.	22.058	27.873
2628.	22.055	27.774
2648.	22.052	27.665
2668.	22.049	27.556
2688.	22.046	27.45
2708.	22.044	27.344
2728.	22.041	27.239
2748.	22.038	27.135
2768.	22.036	27.033
2788.	22.033	26.931
2800.	22.032	26.871
2802.		26.861
2804.	22.031	26.851
2810.		26.821
2828.	22.028	26.731
2848.	22.026	26.633
2868.	22.024	26.535
2888.	22.021	26.439
2908.	22.019	26.344
2928.	22.017	26.249
2948.	22.014	26.156
2968.	22.012	26.064
2988.	22.01	25.972
3000.	22.009	25.918
3002.		25.909
3004.	22.008	25.9
3010.		25.873
3028.	22.006	25.792
3048.	22.004	25.703
3068.	22.002	25.616
3088.	22.	25.575
3108.	21.998	25.537
3128.	21.996	25.499
3148.	21.994	25.461
3168.	21.992	25.424
3188.	21.99	25.386

3200.	21.989	25.364
3202.		25.361
3204.		25.357
3210.	21.988	25.346
3228.	21.987	25.313
3248.	21.985	25.277
3268.	21.983	25.24
3288.	21.981	25.205
3308.	21.98	25.169
3328.	21.978	25.134
3348.	21.976	25.099
3368.	21.975	25.064
3388.	21.973	25.029
3400.	21.972	25.008
3402.		25.005
3404.		25.001
3410.	21.971	24.991
3428.	21.97	24.96
3448.	21.968	24.927
3468.	21.967	24.893
3488.	21.965	24.859
3508.	21.964	24.826
3528.	21.962	24.793
3548.	21.961	24.76
3568.	21.959	24.728
3588.	21.958	24.696
3600.	21.957	24.676
3602.		24.673
3604.		24.67
3610.	21.956	24.66
3628.	21.955	24.632
3648.	21.954	24.6
3668.	21.951	24.569
3688.	21.949	24.537
3708.	21.947	24.506
3728.	21.945	24.476
3748.	21.943	24.445
3768.	21.94	24.418
3788.	21.938	24.393
3800.	21.937	24.378
3802.		24.375
3804.	21.936	24.373
3810.		24.365
3828.	21.934	24.343
3848.	21.932	24.318
3868.	21.93	24.294
3888.	21.928	24.27
3908.	21.926	24.246
3928.	21.924	24.222
3948.	21.922	24.198
3968.	21.92	24.174
3988.	21.918	24.15
4000.	21.917	24.136
4002.	21.916	24.134
4004.		24.132
4010.		24.125
4028.	21.914	24.104
4048.	21.912	24.08
4068.	21.91	24.057
4088.	21.895	24.034

4108.	21.851	24.012
4128.	21.808	23.989
4148.	21.765	23.966
4168.	21.722	23.944
4188.	21.68	23.922
4200.	21.654	23.908
4202.	21.65	23.906
4204.	21.646	23.904
4210.	21.633	23.897
4228.	21.596	23.877
4248.	21.555	23.855
4268.	21.514	23.834
4288.	21.474	23.812
4308.	21.434	23.79
4328.	21.395	23.769
4348.	21.355	23.748
4368.	21.317	23.726
4388.	21.278	23.705
4400.	21.255	23.693
4402.	21.251	23.691
4404.	21.248	23.689
4410.	21.236	23.682
4428.	21.202	23.664
4448.	21.165	23.643
4468.	21.128	23.622
4488.	21.091	23.602
4508.	21.055	23.581
4528.	21.019	23.561
4548.	20.983	23.541
4568.	20.948	23.521
4588.	20.913	23.501
4600.	20.893	23.489
4602.	20.889	23.487
4604.	20.886	23.485
4610.	20.875	23.479
4628.	20.844	23.462
4648.	20.81	23.442
4668.	20.777	23.423
4688.	20.744	23.403
4708.	20.71	23.384
4728.	20.675	23.365
4748.	20.639	23.346
4768.	20.603	23.327
4788.	20.568	23.308
4800.	20.546	23.297
4802.	20.543	23.295
4804.	20.539	23.293
4810.	20.529	23.287
4828.	20.498	23.271
4848.	20.463	23.252
4868.	20.429	23.234
4888.	20.395	23.215
4908.	20.362	23.197
4928.	20.329	23.179
4948.	20.296	23.161
4968.	20.264	23.143
4988.	20.232	23.125
5000.	20.213	23.115
5002.	20.21	23.113
5004.	20.206	23.111
5010.		

	20.197	23.106
5028.	20.169	23.09
5048.	20.138	23.072
5068.	20.107	23.056
5088.	20.076	23.041
5108.	20.046	23.026
5128.	20.017	23.011
5148.	19.987	22.996
5168.	19.958	22.982
5188.	19.929	22.967
5200.	19.912	22.958
5202.	19.909	22.957
5204.	19.906	22.955
5210.	19.897	22.951
5228.	19.872	22.938
5248.	19.844	22.924
5268.	19.816	22.909
5288.	19.788	22.895
5308.	19.761	22.881
5328.	19.734	22.867
5348.	19.708	22.853
5368.	19.681	22.839
5388.	19.655	22.825
5400.	19.639	22.816
5402.	19.637	22.815
5404.	19.634	22.813
5410.	19.626	22.809
5428.	19.603	22.797
5448.	19.578	22.783
5468.	19.553	22.769
5488.	19.528	22.756
5508.	19.503	22.742
5528.	19.479	22.729
5548.	19.455	22.715
5568.	19.431	22.702
5588.	19.408	22.689
5600.	19.393	22.681
5602.	19.391	22.68
5604.	19.389	22.678
5610.	19.382	22.674
5628.	19.361	22.662
5648.	19.338	22.649
5668.	19.315	22.636
5688.	19.293	22.623
5708.	19.271	22.61
5728.	19.249	22.598
5748.	19.227	22.585
5768.	19.205	22.572
5788.	19.184	22.559
5800.	19.171	22.552
5802.	19.169	22.551
5804.	19.167	22.549
5810.	19.16	22.546
5828.	19.142	22.534
5848.	19.121	22.522
5868.	19.1	22.509
5888.	19.08	22.497
5908.	19.06	22.485
5928.	19.04	22.473
5948.	19.02	22.46
5968.		

	19.001	22.448
5988.	18.982	22.436
6000.	18.97	22.429
6002.	18.968	22.428
6004.	18.966	22.427
6010.	18.96	22.423
6028.	18.943	22.412
6048.	18.925	22.4
6068.	18.906	22.388
6088.	18.888	22.377
6108.	18.87	22.365
6128.	18.852	22.353
6148.	18.834	22.342
6168.	18.816	22.33
6188.	18.799	22.318
6200.	18.788	22.312
6202.	18.787	22.31
6204.	18.785	22.309
6210.	18.78	22.306
6228.	18.764	22.296
6248.	18.747	22.284
6268.	18.73	22.273
6288.	18.714	22.262
6308.	18.697	22.25
6328.	18.681	22.239
6348.	18.665	22.228
6368.	18.649	22.217
6388.	18.633	22.206
6400.	18.624	22.2
6402.	18.622	22.199
6404.	18.621	22.197
6410.	18.616	22.194
6428.	18.602	22.184
6448.	18.587	22.177
6468.	18.572	
6488.	18.557	
6508.	18.542	
6528.	18.527	
6548.	18.512	
6568.	18.498	
6588.	18.484	
6600.	18.475	
6602.	18.474	
6604.	18.472	
6610.	18.468	
6628.	18.455	
6648.	18.441	
6668.	18.428	
6688.	18.414	
6708.	18.401	
6728.	18.387	
6748.	18.374	
6768.	18.361	
6788.	18.348	
6800.	18.34	
6802.	18.339	
6804.	18.338	
6810.	18.334	
6828.	18.323	
6848.	18.31	
6868.		

	18.298	
6888.	18.285	
6908.	18.273	
6928.	18.261	
6948.	18.249	
6968.	18.237	
6988.	18.226	
7000.	18.219	
7002.	18.217	
7004.	18.216	
7010.	18.213	
7028.	18.202	
7048.	18.191	
7068.	18.18	
7088.	18.169	
7108.	18.158	
7128.	18.147	
7148.	18.136	
7168.	18.125	
7188.	18.115	22.178
7200.	18.108	

FIGURE 16
Model (M4) > Transient Thermal (M5) > Solution (M6) > Drum T

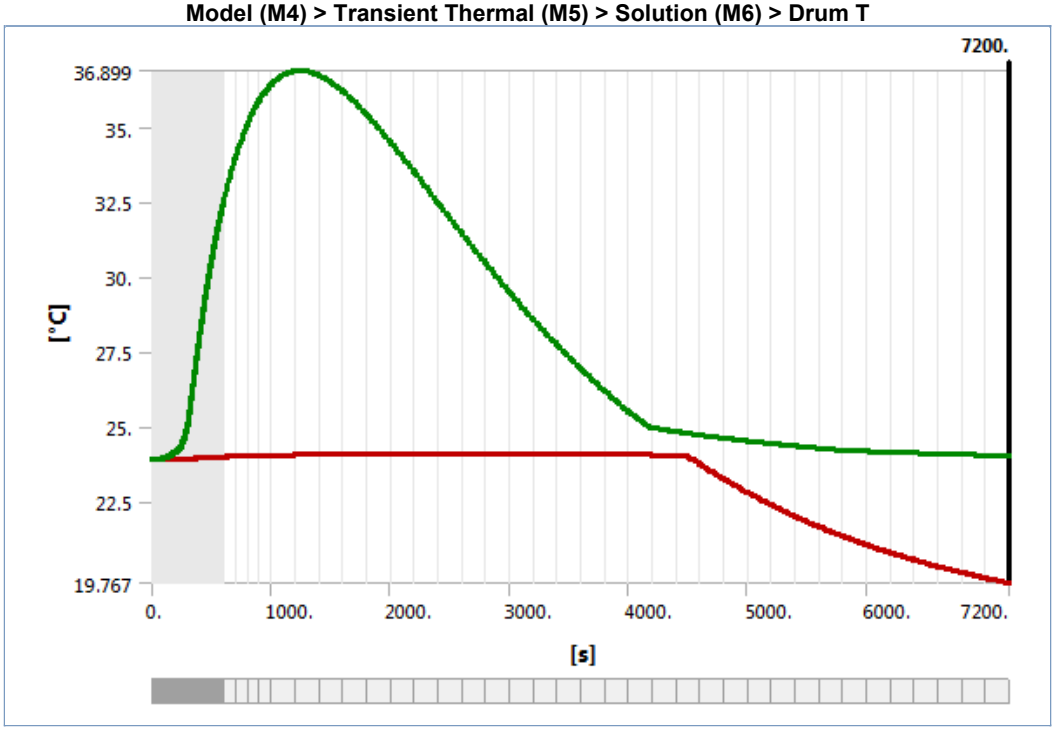

TABLE 27
Model (M4) > Transient Thermal (M5) > Solution (M6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		

1.48
1.68
1.88
2.
2.02
2.04
2.1
2.28
2.48
2.68
2.88
3.08
3.28
3.48
3.68
3.88
4.
4.02
4.04
4.1
4.28
4.48
4.68
4.88
5.08
5.28
5.48
5.68
5.88
6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48

10.68
10.88
11.08
11.28
11.48
11.68
11.88
12.
12.02
12.04
12.1
12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68
13.88
14.
14.02
14.04
14.1
14.28
14.48
14.68
14.88
15.08
15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.

20.04			
20.1			
20.28			
20.48			
20.68			
20.88			
21.08			
21.28			
21.48			
21.68			
21.88			
22.			
22.02			
22.04			
22.1			
22.28			
22.48			
22.68	23.89		
22.88			
23.08			
23.28			
23.48			
23.68			
23.88			
24.			
24.02			
24.04			
24.1			
24.28			
24.48			
24.68			
24.88			
25.08			
25.28			
25.48			

	23.89
25.68	
25.88	
26.	
26.02	
26.04	
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268.74	24.601

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268.94		24.604
269.		24.605
269.01		
269.02		
269.05		
269.14		24.606
269.24		24.608
269.34		24.609
269.44		24.61
269.54		24.611
269.64		24.613
269.74		24.614
269.84		24.615
269.94		24.617
270.		
270.01		24.618
270.02		
270.05	23.9	
270.14		24.619
270.24		24.62
270.34		24.622
270.44		24.623
270.54		24.624
270.64		24.626
270.74		24.627
270.84		24.628
270.94		24.63
271.		
271.01		
271.02		24.631
271.05		
271.14		24.632
271.24		24.634
271.34		24.635
271.44		24.636
271.54		24.637
271.64		24.639
271.74		24.64
271.84		24.641
271.94		24.643
272.		24.644
272.01		
272.02		
272.05		
272.14		24.645
272.24		24.647
272.34		24.648
272.44		24.65
272.54		24.651
272.64		24.652
272.74		24.654
272.84		24.655
272.94		24.656
273.		24.657
273.01		
273.02		
273.05		24.658
273.14		24.659
273.24		24.66

273.34		24.662
273.44		24.663
273.54		24.665
273.64		24.666
273.74		24.667
273.84		24.669
273.94		24.67
274.		24.671
274.01		
274.02		
274.05		24.672
274.14		24.673
274.24		24.674
274.34		24.676
274.44		24.677
274.54		24.678
274.64		24.68
274.74		24.681
274.84		24.683
274.94		24.684
275.	23.901	24.685
275.01		
275.02		
275.05		24.686
275.14		24.687
275.24		24.688
275.34		24.69
275.44		24.691
275.54		24.692
275.64		24.694
275.74		24.695
275.84		24.697
275.94		24.698
276.		24.699
276.01		
276.02		
276.05		24.7
276.14		24.701
276.24		24.702
276.34		24.704
276.44		24.705
276.54		24.707
276.64		24.708
276.74		24.71
276.84		24.711
276.94		24.712
277.		24.713
277.01		
277.02		24.714
277.05		
277.14		24.715
277.24		24.717
277.34		24.718
277.44		24.72
277.54		24.721
277.64		24.723
277.74		24.724
277.84		24.725
277.94		24.727
278.		

278.01		
278.02		24.728
278.05		
278.14		24.73
278.24		24.731
278.34		24.733
278.44		24.734
278.54		24.736
278.64		24.737
278.74		24.738
278.84		24.74
278.94		24.741
279.		24.742
279.01		
279.02		24.743
279.05		
279.14		24.744
279.24		24.746
279.34		24.747
279.44		24.749
279.54		24.75
279.64	23.902	24.752
279.74		24.753
279.84		24.755
279.94		24.756
280.		24.757
280.01		
280.02		
280.05		24.758
280.14		24.759
280.24		24.761
280.34		24.762
280.44		24.763
280.54		24.765
280.64		24.766
280.74		24.768
280.84		24.769
280.94		24.771
281.		24.772
281.01		
281.02		
281.05		24.773
281.14		24.774
281.24		24.775
281.34		24.777
281.44		24.778
281.54		24.78
281.64		24.781
281.74		24.783
281.84		24.784
281.94		24.786
282.		24.787
282.01		
282.02		
282.05		24.788
282.14		24.789
282.24		24.79
282.34		24.792
282.44		24.793
282.54		24.795

282.64		24.796
282.74		24.798
282.84		24.8
282.94		24.801
283.		24.802
283.01		
283.02		
283.05		24.803
283.14		24.804
283.24		24.806
283.34		24.807
283.44		24.809
283.54		24.81
283.64		24.812
283.74		24.813
283.84		24.815
283.94		24.816
284.		24.817
284.01		
284.02		24.818
284.05	23.903	
284.14		24.819
284.24		24.821
284.34		24.823
284.44		24.824
284.54		24.826
284.64		24.827
284.74		24.829
284.84		24.83
284.94		24.832
285.		24.833
285.01		
285.02		
285.05		24.834
285.14		24.835
285.24		24.837
285.34		24.838
285.44		24.84
285.54		24.841
285.64		24.843
285.74		24.845
285.84		24.846
285.94		24.848
286.		24.849
286.01		
286.02		
286.05		
286.14		24.851
286.24		24.852
286.34		24.854
286.44		24.856
286.54		24.857
286.64		24.859
286.74		24.86
286.84		24.862
286.94		24.864
287.		24.865
287.01		
287.02		
287.05		

287.14		24.867
287.24		24.869
287.34		24.87
287.44		24.872
287.54		24.873
287.64		24.875
287.74		24.877
287.84		24.878
287.94		24.88
288.		24.881
288.01		
288.02		
288.05		24.882
288.14		24.883
288.24		24.885
288.34		24.887
288.44		24.888
288.54		24.89
288.64		24.891
288.74	23.904	24.893
288.84		24.895
288.94		24.896
289.		24.897
289.01		24.898
289.02		
289.05		
289.14		24.9
289.24		24.901
289.34		24.903
289.44		24.905
289.54		24.906
289.64		24.908
289.74		24.91
289.84		24.912
289.94		24.913
290.		24.914
290.01		
290.02		24.915
290.05		
290.14		24.917
290.24		24.918
290.34		24.92
290.44		24.922
290.54		24.923
290.64		24.925
290.74		24.927
290.84		24.928
290.94		24.93
291.		24.931
291.01		
291.02		24.932
291.05		
291.14		24.934
291.24		24.935
291.34		24.937
291.44		24.939
291.54		24.941
291.64		24.942
291.74		24.944
291.84		24.946

291.94		24.947
292.		24.948
292.01		24.949
292.02		
292.05		
292.14		24.951
292.24		24.953
292.34		24.954
292.44		24.956
292.54		24.958
292.64		24.96
292.74		24.961
292.84		24.963
292.94		24.965
293.		24.966
293.01		
293.02	23.905	
293.05		24.967
293.14		24.968
293.24		24.97
293.34		24.972
293.44		24.974
293.54		24.975
293.64		24.977
293.74		24.979
293.84		24.981
293.94		24.982
294.		24.984
294.01		
294.02		
294.05		
294.14		24.986
294.24		24.988
294.34		24.99
294.44		24.991
294.54		24.993
294.64		24.995
294.74		24.997
294.84		24.999
294.94		25.
295.		25.001
295.01		25.002
295.02		
295.05		
295.14		25.004
295.24		25.006
295.34	23.906	25.008
295.44		25.009
295.54		25.011
295.64		25.013
295.74		25.015
295.84		25.017
295.94		25.018
296.		25.02
296.01		
296.02		
296.05		
296.14		25.022
296.24		25.024
296.34		25.026

296.44		25.028
296.54		25.03
296.64		25.031
296.74		25.033
296.84		25.035
296.94		25.037
297.		25.038
297.01		
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297.05		
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297.54		25.049
297.64		25.051
297.74		25.053
297.84		25.054
297.94		25.056
298.		25.058
298.01		
298.02		
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298.24		25.062
298.34		25.064
298.44		25.066
298.54		25.068
298.64		25.07
298.74		25.072
298.84		25.074
298.94		25.076
299.		25.077
299.01		25.078
299.02		
299.05		
299.14		25.08
299.24		25.082
299.34		25.084
299.44		25.086
299.54		25.088
299.64	23.907	25.09
299.74		25.092
299.84		25.094
299.94		25.096
300.		25.098
300.01		
300.02		
300.05		25.099
300.14		25.1
300.24		25.102
300.34		25.105
300.44		25.107
300.54		25.109
300.64		25.111
300.74		25.113
300.84		25.115
300.94		25.117
301.		25.118
301.01		

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301.05		
301.14		25.121
301.24		25.123
301.34		25.126
301.44		25.128
301.54		25.13
301.64		25.132
301.74		25.134
301.84		25.136
301.94		25.138
302.		25.14
302.01		
302.02		
302.05		25.141
302.14		25.143
302.24		25.145
302.34		25.147
302.44		25.149
302.54		25.151
302.64		25.154
302.74		25.156
302.84		25.158
302.94		25.16
303.		25.162
303.01	23.908	
303.02		
303.05		25.163
303.14		25.165
303.24		25.167
303.34		25.169
303.44		25.171
303.54		25.174
303.64		25.176
303.74		25.178
303.84		25.18
303.94		25.183
304.		25.184
304.01		
304.02		
304.05		25.185
304.14		25.187
304.24		25.19
304.34		25.192
304.44		25.194
304.54		25.197
304.64		25.199
304.74		25.201
304.84		25.204
304.94		25.206
305.		25.207
305.01		25.208
305.02		
305.05		25.209
305.14		25.211
305.24		25.213
305.34		25.216
305.44		25.218
305.54		25.221
305.64		25.223

305.74		25.225
305.84		25.228
305.94		25.23
306.		25.232
306.01		
306.02		
306.05		25.233
306.14		25.235
306.24		25.238
306.34		25.24
306.44		25.243
306.54	23.909	25.246
306.64		25.248
306.74		25.251
306.84		25.253
306.94		25.256
307.		25.257
307.01		25.258
307.02		
307.05		25.259
307.14		25.261
307.24		25.264
307.34		25.266
307.44		25.269
307.54		25.271
307.64		25.274
307.74		25.277
307.84		25.279
307.94		25.282
308.		25.283
308.01		25.284
308.02		
308.05		25.285
308.14		25.287
308.24		25.29
308.34		25.293
308.44		25.295
308.54		25.298
308.64	23.91	25.301
308.74		25.303
308.84		25.306
308.94		25.309
309.		25.31
309.01		
309.02		25.311
309.05		25.312
309.14		25.314
309.24		25.317
309.34		25.319
309.44		25.322
309.54		25.325
309.64		25.327
309.74		25.33
309.84		25.333
309.94		25.336
310.		25.337
310.01		25.338
310.02		
310.05		25.339
310.14		25.341

310.24		25.344
310.34		25.347
310.44		25.349
310.54		25.352
310.64		25.355
310.74		25.358
310.84		25.36
310.94		25.363
311.		
311.01		25.365
311.02		
311.05		25.366
311.14		25.369
311.24	23.911	25.371
311.34		25.374
311.44		25.377
311.54		25.38
311.64		25.383
311.74		25.385
311.84		25.388
311.94		25.391
312.		
312.01		25.393
312.02		
312.05		25.394
312.14		25.397
312.24		25.399
312.34		25.402
312.44		25.405
312.54		25.408
312.64		25.411
312.74		25.414
312.84		25.416
312.94		25.419
313.		
313.01		25.421
313.02		
313.05		25.422
313.14		25.425
313.24		25.428
313.34		25.431
313.44		25.433
313.54	23.912	25.436
313.64		25.439
313.74		25.442
313.84		25.445
313.94		25.448
314.		25.449
314.01		25.45
314.02		
314.05		25.451
314.14		25.453
314.24		25.456
314.34		25.459
314.44		25.462
314.54		25.465
314.64		25.468
314.74		25.471
314.84		25.474
314.94		25.476

315.		25.478
315.01		25.479
315.02		
315.05		25.48
315.14		25.482
315.24		25.485
315.34		25.488
315.44		25.491
315.54		25.494
315.64		25.497
315.74		25.5
315.84		25.503
315.94		25.506
316.		25.507
316.01	23.913	25.508
316.02		
316.05		25.509
316.14		25.512
316.24		25.515
316.34		25.517
316.44		25.52
316.54		25.523
316.64		25.526
316.74		25.529
316.84		25.532
316.94		25.535
317.		25.537
317.01		
317.02		25.538
317.05		25.539
317.14		25.541
317.24		25.544
317.34		25.547
317.44		25.55
317.54		25.553
317.64		25.556
317.74		25.559
317.84		25.562
317.94		25.565
318.		25.567
318.01		
318.02		25.568
318.05		25.569
318.14		25.571
318.24	23.914	25.574
318.34		25.577
318.44		25.58
318.54		25.583
318.64		25.587
318.74		25.59
318.84		25.593
318.94		25.596
319.		25.597
319.01		25.598
319.02		
319.05		25.599
319.14		25.602
319.24		25.605
319.34		25.608
319.44		25.611

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319.64		25.617
319.74		25.62
319.84		25.623
319.94		25.626
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320.01		
320.02		25.629
320.05		25.63
320.14		25.632
320.24		25.635
320.34		25.639
320.44		25.642
320.54	23.915	25.645
320.64		25.648
320.74		25.651
320.84		25.654
320.94		25.657
321.		25.659
321.01		
321.02		25.66
321.05		
321.14		25.663
321.24		25.666
321.34		25.669
321.44		25.673
321.54		25.676
321.64		25.679
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321.84		25.685
321.94		25.688
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322.02		25.691
322.05		25.692
322.14		25.694
322.24		25.697
322.34		25.701
322.44		25.704
322.54		25.707
322.64		25.71
322.74	23.916	25.713
322.84		25.716
322.94		25.719
323.		25.721
323.01		25.722
323.02		
323.05		25.723
323.14		25.726
323.24		25.729
323.34		25.732
323.44		25.735
323.54		25.738
323.64		25.741
323.74		25.744
323.84		25.748
323.94		25.751
324.		25.753
324.01		
324.02		

324.05		25.754
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324.24		25.76
324.34		25.763
324.44		25.766
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324.64		25.773
324.74		25.776
324.84		25.779
324.94		25.782
325.		25.784
325.01		
325.02		25.785
325.05	23.917	25.786
325.14		25.788
325.24		25.792
325.34		25.795
325.44		25.798
325.54		25.801
325.64		25.804
325.74		25.807
325.84		25.811
325.94		25.814
326.		25.816
326.01		
326.02		
326.05		25.817
326.14		25.82
326.24		25.823
326.34		25.826
326.44		25.829
326.54		25.833
326.64		25.836
326.74		25.839
326.84		25.842
326.94		25.845
327.		25.847
327.01		
327.02		25.848
327.05		25.849
327.14		25.852
327.24		25.855
327.34	23.918	25.858
327.44		25.861
327.54		25.864
327.64		25.867
327.74		25.87
327.84		25.874
327.94		25.877
328.		25.879
328.01		
328.02		
328.05		25.88
328.14		25.883
328.24		25.886
328.34		25.889
328.44		25.893
328.54		25.896
328.64		25.899
328.74		25.902

328.84		25.905
328.94		25.908
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329.05		25.912
329.14		25.915
329.24		25.918
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329.54		25.927
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329.74	23.919	25.934
329.84		25.937
329.94		25.94
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330.05		25.943
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333.05		26.038
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333.24		26.044

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333.64		26.057
333.74		26.06
333.84		26.063
333.94		26.066
334.		26.068
334.01		26.069
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334.05		26.07
334.14		26.073
334.24		26.076
334.34	23.921	26.079
334.44		26.082
334.54		26.085
334.64		26.089
334.74		26.092
334.84		26.095
334.94		26.098
335.		26.1
335.01		
335.02		26.101
335.05		
335.14		26.104
335.24		26.108
335.34		26.111
335.44		26.114
335.54		26.117
335.64		26.12
335.74		26.123
335.84		26.126
335.94		26.13
336.		26.132
336.01		
336.02		
336.05		26.133
336.14		26.136
336.24		26.139
336.34		26.142
336.44		26.145
336.54		26.149
336.64	23.922	26.152
336.74		26.155
336.84		26.158
336.94		26.161
337.		26.163
337.01		
337.02		26.164
337.05		26.165
337.14		26.168
337.24		26.171
337.34		26.174
337.44		26.177
337.54		26.18
337.64		26.183
337.74		26.187
337.84		26.19
337.94		26.193
338.		

338.01		26.195
338.02		
338.05		26.196
338.14		26.199
338.24		26.202
338.34		26.205
338.44		26.209
338.54		26.212
338.64		26.215
338.74		26.218
338.84		26.221
338.94		26.224
339.		26.226
339.01		26.227
339.02		
339.05	23.923	26.228
339.14		26.231
339.24		26.234
339.34		26.237
339.44		26.24
339.54		26.243
339.64		26.247
339.74		26.25
339.84		26.253
339.94		26.256
340.		26.258
340.01		
340.02		
340.05		26.259
340.14		26.262
340.24		26.265
340.34		26.269
340.44		26.272
340.54		26.275
340.64		26.278
340.74		26.281
340.84		26.284
340.94		26.288
341.		26.289
341.01		26.29
341.02		
341.05		26.291
341.14		26.294
341.24		26.297
341.34		26.3
341.44	23.924	26.303
341.54		26.306
341.64		26.31
341.74		26.313
341.84		26.316
341.94		26.319
342.		26.321
342.01		
342.02		26.322
342.05		
342.14		26.325
342.24		26.328
342.34		26.332
342.44		26.335
342.54		26.338

342.64		26.341
342.74		26.344
342.84		26.347
342.94		26.351
343.		26.352
343.01		26.353
343.02		
343.05		26.354
343.14		26.357
343.24		26.36
343.34		26.363
343.44		26.366
343.54		26.369
343.64		26.373
343.74		26.376
343.84		26.379
343.94		26.382
344.		26.384
344.01	23.925	
344.02		
344.05		26.385
344.14		26.388
344.24		26.391
344.34		26.395
344.44		26.398
344.54		26.401
344.64		26.404
344.74		26.407
344.84		26.41
344.94		26.413
345.		26.415
345.01		26.416
345.02		
345.05		26.417
345.14		26.42
345.24		26.423
345.34		26.426
345.44		26.429
345.54		26.432
345.64		26.435
345.74		26.438
345.84		26.442
345.94		26.445
346.		26.447
346.01		
346.02		
346.05		26.448
346.14		26.451
346.24	23.926	26.454
346.34		26.457
346.44		26.46
346.54		26.463
346.64		26.467
346.74		26.47
346.84		26.473
346.94		26.476
347.		26.478
347.01		
347.02		26.479
347.05		

347.14		26.482
347.24		26.485
347.34		26.489
347.44		26.492
347.54		26.495
347.64		26.498
347.74		26.501
347.84		26.504
347.94		26.507
348.		26.509
348.01		
348.02		26.51
348.05		26.511
348.14		26.514
348.24		26.517
348.34		26.52
348.44		26.523
348.54		26.526
348.64		26.529
348.74		26.532
348.84		26.535
348.94		26.538
349.		26.54
349.01		26.541
349.02	23.927	
349.05		26.542
349.14		26.545
349.24		26.548
349.34		26.551
349.44		26.554
349.54		26.557
349.64		26.56
349.74		26.563
349.84		26.567
349.94		26.57
350.		26.572
350.01		
350.02		
350.05		26.573
350.14		26.576
350.24		26.579
350.34		26.582
350.44		26.585
350.54		26.588
350.64		26.591
350.74		26.595
350.84		26.598
350.94		26.601
351.		26.603
351.01		
351.02		
351.05	23.928	26.604
351.14		26.607
351.24		26.61
351.34		26.613
351.44		26.616
351.54		26.619
351.64		26.623
351.74		26.626
351.84		26.629

351.94		26.632
352.		26.634
352.01		
352.02		
352.05		26.635
352.14		26.638
352.24		26.641
352.34		26.644
352.44		26.647
352.54		26.65
352.64		26.654
352.74		26.657
352.84		26.66
352.94		26.663
353.		26.665
353.01		
353.02		
353.05		26.666
353.14		26.669
353.24		26.672
353.34		26.675
353.44		26.678
353.54		26.682
353.64		26.685
353.74		26.688
353.84		26.691
353.94		26.694
354.		26.696
354.01		
354.02		
354.05		26.697
354.14		26.7
354.24		26.703
354.34	23.929	26.706
354.44		26.709
354.54		26.712
354.64		26.716
354.74		26.719
354.84		26.722
354.94		26.725
355.		26.727
355.01		
355.02		
355.05		26.728
355.14		26.731
355.24		26.734
355.34		26.737
355.44		26.74
355.54		26.743
355.64		26.746
355.74		26.75
355.84		26.753
355.94		26.756
356.		26.758
356.01		
356.02		
356.05		26.759
356.14		26.762
356.24		26.765
356.34		26.768

356.44		26.771
356.54		26.774
356.64		26.777
356.74		26.78
356.84		26.783
356.94		26.787
357.		26.788
357.01		26.789
357.02		
357.05		26.79
357.14		26.793
357.24		26.796
357.34	23.93	26.799
357.44		26.802
357.54		26.805
357.64		26.808
357.74		26.811
357.84		26.814
357.94		26.817
358.		26.819
358.01		26.82
358.02		
358.05		26.821
358.14		26.824
358.24		26.827
358.34		26.83
358.44		26.833
358.54		26.836
358.64		26.839
358.74		26.842
358.84		26.845
358.94		26.848
359.		26.85
359.01		
359.02		26.851
359.05		26.852
359.14		26.854
359.24		26.857
359.34		26.86
359.44		26.863
359.54		26.867
359.64		26.87
359.74		26.873
359.84	23.931	26.876
359.94		26.879
360.		26.881
360.01		
360.02		
360.05		26.882
360.14		26.885
360.24		26.888
360.34		26.891
360.44		26.894
360.54		26.897
360.64		26.9
360.74		26.903
360.84		26.906
360.94		26.909
361.		26.911
361.01		26.912

361.02		
361.05		26.913
361.14		26.916
361.24		26.919
361.34		26.922
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361.54		26.928
361.64		26.931
361.74		26.934
361.84		26.937
361.94		26.94
362.		26.942
362.01		
362.02		26.943
362.05		
362.14		26.946
362.24		26.949
362.34		26.952
362.44		26.955
362.54	23.932	26.958
362.64		26.961
362.74		26.965
362.84		26.968
362.94		26.971
363.		26.972
363.01		26.973
363.02		
363.05		26.974
363.14		26.977
363.24		26.98
363.34		26.983
363.44		26.986
363.54		26.989
363.64		26.992
363.74		26.995
363.84		26.998
363.94		27.001
364.		27.003
364.01		
364.02		27.004
364.05		
364.14		27.007
364.24		27.01
364.34		27.013
364.44		27.016
364.54		27.019
364.64		27.022
364.74		27.025
364.84	23.933	27.029
364.94		27.032
365.		27.033
365.01		27.034
365.02		
365.05		27.035
365.14		27.038
365.24		27.041
365.34		27.044
365.44		27.047
365.54		27.05
365.64		27.053

365.74		27.056
365.84		27.059
365.94		27.062
366.		27.064
366.01		
366.02		
366.05		27.065
366.14		27.068
366.24		27.071
366.34		27.074
366.44		27.077
366.54		27.08
366.64		27.083
366.74		27.086
366.84	23.934	27.089
366.94		27.092
367.		27.094
367.01		
367.02		27.095
367.05		27.096
367.14		27.098
367.24		27.101
367.34		27.104
367.44		27.107
367.54		27.11
367.64		27.113
367.74		27.116
367.84		27.12
367.94		27.123
368.		27.124
368.01		27.125
368.02		
368.05		27.126
368.14		27.129
368.24		27.132
368.34		27.135
368.44		27.138
368.54		27.141
368.64		27.144
368.74		27.147
368.84		27.15
368.94		27.153
369.		27.155
369.01		
369.02		
369.05		27.156
369.14		27.159
369.24		27.162
369.34		27.165
369.44		27.168
369.54		27.171
369.64		27.174
369.74		27.177
369.84		27.18
369.94		27.183
370.		27.185
370.01		
370.02		
370.05		27.186
370.14		27.189

370.24		27.192
370.34		27.195
370.44		27.198
370.54		27.201
370.64		27.204
370.74		27.207
370.84		27.21
370.94		27.213
371.		27.215
371.01		
371.02		
371.05		27.216
371.14		27.219
371.24		27.222
371.34	23.935	27.225
371.44		27.228
371.54		27.231
371.64		27.234
371.74		27.237
371.84		27.24
371.94		27.243
372.		27.245
372.01		
372.02		
372.05		27.246
372.14		27.249
372.24		27.252
372.34		27.255
372.44		27.258
372.54		27.261
372.64		27.264
372.74		27.267
372.84		27.27
372.94		27.273
373.		27.275
373.01		
373.02		
373.05		27.276
373.14		27.279
373.24		27.282
373.34		27.285
373.44		27.288
373.54		27.291
373.64		27.294
373.74		27.297
373.84	23.936	27.3
373.94		27.303
374.		27.305
374.01		
374.02		
374.05		27.306
374.14		27.309
374.24		27.312
374.34		27.315
374.44		27.318
374.54		27.321
374.64		27.324
374.74		27.327
374.84		27.33
374.94		27.333

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375.01		27.335
375.02		
375.05		27.336
375.14		27.339
375.24		27.342
375.34		27.345
375.44		27.348
375.54		27.351
375.64		27.354
375.74		27.357
375.84		27.36
375.94		27.363
376.		27.364
376.01		27.365
376.02		
376.05		27.366
376.14		27.369
376.24		27.372
376.34		27.375
376.44		27.378
376.54		27.38
376.64		27.383
376.74		27.386
376.84		27.389
376.94		27.392
377.		27.394
377.01		
377.02	23.937	27.395
377.05		27.396
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377.24		27.401
377.34		27.404
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377.84		27.419
377.94		27.422
378.		27.424
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378.02		
378.05		27.425
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378.44		27.437
378.54		27.44
378.64		27.443
378.74		27.446
378.84		27.449
378.94		27.452
379.		27.453
379.01		27.454
379.02		
379.05		27.455
379.14		27.458
379.24		27.461
379.34		27.464
379.44		27.466

379.54		27.469
379.64		27.472
379.74		27.475
379.84		27.478
379.94		27.481
380.		27.483
380.01		
380.02		27.484
380.05		27.485
380.14		27.487
380.24		27.49
380.34		27.493
380.44		27.496
380.54	23.938	27.499
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380.74		27.505
380.84		27.508
380.94		27.511
381.		27.513
381.01		
381.02		
381.05		27.514
381.14		27.517
381.24		27.52
381.34		27.523
381.44		27.525
381.54		27.528
381.64		27.531
381.74		27.534
381.84		27.537
381.94		27.54
382.		27.542
382.01		
382.02		27.543
382.05		
382.14		27.546
382.24		27.549
382.34		27.552
382.44		27.555
382.54		27.558
382.64		27.561
382.74		27.564
382.84		27.567
382.94		27.57
383.	23.939	27.571
383.01		27.572
383.02		
383.05		27.573
383.14		27.575
383.24		27.578
383.34		27.581
383.44		27.584
383.54		27.587
383.64		27.59
383.74		27.593
383.84		27.596
383.94		27.599
384.		27.601
384.01		
384.02		

384.05		27.602
384.14		27.605
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384.54		27.616
384.64		27.619
384.74		27.622
384.84		27.625
384.94		27.628
385.		27.63
385.01		
385.02		
385.05		27.631
385.14		27.634
385.24		27.637
385.34		27.64
385.44		27.643
385.54		27.646
385.64		27.649
385.74		27.652
385.84		27.654
385.94		27.657
386.		27.659
386.01		
386.02		27.66
386.05		27.661
386.14		27.663
386.24	23.94	27.666
386.34		27.669
386.44		27.672
386.54		27.675
386.64		27.678
386.74		27.681
386.84		27.684
386.94		27.686
387.		27.688
387.01		27.689
387.02		
387.05		27.69
387.14		27.692
387.24		27.695
387.34		27.698
387.44		27.701
387.54		27.704
387.64		27.707
387.74		27.71
387.84		27.713
387.94		27.716
388.		27.717
388.01		27.718
388.02		
388.05		27.719
388.14		27.721
388.24		27.724
388.34		27.727
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388.54		27.733
388.64		27.736
388.74		27.739

388.84		27.742
388.94		27.745
389.		27.746
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389.02		
389.05		27.748
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389.24		27.753
389.34		27.756
389.44		27.759
389.54		27.762
389.64		27.765
389.74		27.768
389.84		27.771
389.94		27.774
390.		27.775
390.01	23.941	27.776
390.02		
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390.24		27.782
390.34		27.785
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390.84		27.8
390.94		27.802
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391.05		27.806
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391.34		27.814
391.44		27.817
391.54		27.82
391.64		27.823
391.74		27.825
391.84		27.828
391.94		27.831
392.		27.833
392.01		
392.02		27.834
392.05		
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392.24	23.942	27.84
392.34		27.843
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392.64		27.851
392.74		27.854
392.84		27.857
392.94		27.86
393.		27.862
393.01		
393.02		
393.05		27.863
393.14		27.866
393.24		27.869

393.34		27.872
393.44		27.874
393.54		27.877
393.64		27.88
393.74		27.883
393.84		27.886
393.94		27.889
394.		27.89
394.01		27.891
394.02		
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394.14		27.894
394.24		27.897
394.34		27.9
394.44		27.903
394.54		27.906
394.64		27.909
394.74		27.912
394.84		27.914
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395.		27.919
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395.02		27.92
395.05		
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395.44		27.932
395.54		27.934
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395.84		27.943
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396.01		
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396.05		27.949
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396.64		27.966
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398.		

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399.44		28.045
399.54		28.048
399.64	23.944	28.051
399.74		28.054
399.84		28.057
399.94		28.06
400.		28.061
400.01		28.062
400.02		
400.05		28.063
400.14		28.065
400.24		28.068
400.34		28.071
400.44		28.074
400.54		28.076
400.64		28.079
400.74		28.082
400.84		28.085
400.94		28.088
401.		28.089
401.01		28.09
401.02		
401.05		28.091
401.14		28.093
401.24		28.096
401.34		28.099
401.44		28.102
401.54		28.105
401.64		28.108
401.74		28.11
401.84		28.113
401.94		28.116
402.		28.118
402.01		
402.02		
402.05		28.119
402.14		28.122
402.24		28.124
402.34		28.127
402.44		28.13
402.54		28.133

402.64		28.136
402.74		28.138
402.84		28.141
402.94		28.144
403.		28.146
403.01		
403.02		
403.05		28.147
403.14		28.15
403.24		28.153
403.34		28.155
403.44		28.158
403.54	23.945	28.161
403.64		28.164
403.74		28.167
403.84		28.169
403.94		28.172
404.		28.174
404.01		
404.02		
404.05		28.175
404.14		28.178
404.24		28.181
404.34		28.183
404.44		28.186
404.54		28.189
404.64		28.192
404.74		28.195
404.84		28.197
404.94		28.2
405.		28.202
405.01		
405.02		
405.05		28.203
405.14		28.206
405.24		28.209
405.34		28.211
405.44		28.214
405.54		28.217
405.64		28.22
405.74		28.222
405.84		28.225
405.94		28.228
406.	23.946	28.23
406.01		
406.02		
406.05		28.231
406.14		28.234
406.24		28.236
406.34		28.239
406.44		28.242
406.54		28.245
406.64		28.248
406.74		28.25
406.84		28.253
406.94		28.256
407.		28.258
407.01		
407.02		
407.05		28.259

407.14		28.261
407.24		28.264
407.34		28.267
407.44		28.27
407.54		28.273
407.64		28.275
407.74		28.278
407.84		28.281
407.94		28.284
408.		28.285
408.01		28.286
408.02		
408.05		28.287
408.14		28.289
408.24		28.292
408.34		28.295
408.44		28.298
408.54		28.3
408.64		28.303
408.74		28.306
408.84		28.309
408.94		28.311
409.		28.313
409.01		
409.02		28.314
409.05		
409.14		28.317
409.24		28.32
409.34		28.322
409.44		28.325
409.54		28.328
409.64		28.331
409.74		28.334
409.84		28.336
409.94	23.947	28.339
410.		28.341
410.01		
410.02		
410.05		28.342
410.14		28.345
410.24		28.347
410.34		28.35
410.44		28.353
410.54		28.356
410.64		28.358
410.74		28.361
410.84		28.364
410.94		28.367
411.		28.368
411.01		28.369
411.02		
411.05		28.37
411.14		28.372
411.24		28.375
411.34		28.378
411.44		28.38
411.54		28.383
411.64		28.386
411.74		28.389
411.84		28.391

411.94		28.394
412.		28.396
412.01		
412.02		
412.05		28.397
412.14		28.4
412.24		28.402
412.34		28.405
412.44		28.408
412.54		28.411
412.64		28.413
412.74		28.416
412.84		28.419
412.94		28.422
413.		28.423
413.01		28.424
413.02		
413.05		28.425
413.14		28.427
413.24		28.43
413.34		28.433
413.44		28.435
413.54	23.948	28.438
413.64		28.441
413.74		28.444
413.84		28.446
413.94		28.449
414.		28.451
414.01		
414.02		
414.05		28.452
414.14		28.455
414.24		28.457
414.34		28.46
414.44		28.463
414.54		28.466
414.64		28.468
414.74		28.471
414.84		28.474
414.94		28.476
415.		28.478
415.01		
415.02		28.479
415.05		
415.14		28.482
415.24		28.485
415.34		28.487
415.44		28.49
415.54		28.493
415.64		28.496
415.74		28.498
415.84		28.501
415.94		28.504
416.		28.505
416.01		28.506
416.02		
416.05		28.507
416.14		28.509
416.24		28.512
416.34		28.515

416.44		28.517
416.54		28.52
416.64		28.523
416.74		28.526
416.84		28.528
416.94		28.531
417.		28.533
417.01		
417.02		
417.05		28.534
417.14		28.536
417.24		28.539
417.34		28.542
417.44		28.545
417.54	23.949	28.547
417.64		28.55
417.74		28.553
417.84		28.555
417.94		28.558
418.		28.56
418.01		
418.02		
418.05		28.561
418.14		28.564
418.24		28.566
418.34		28.569
418.44		28.572
418.54		28.574
418.64		28.577
418.74		28.58
418.84		28.583
418.94		28.585
419.		28.587
419.01		
419.02		
419.05		28.588
419.14		28.591
419.24		28.593
419.34		28.596
419.44		28.599
419.54		28.601
419.64		28.604
419.74		28.607
419.84		28.61
419.94		28.612
420.	23.95	28.614
420.01		
420.02		
420.05		28.615
420.14		28.618
420.24		28.62
420.34		28.623
420.44		28.626
420.54		28.628
420.64		28.631
420.74		28.634
420.84		28.637
420.94		28.639
421.		28.641
421.01		

421.02		
421.05		28.642
421.14		28.645
421.24		28.647
421.34		28.65
421.44		28.653
421.54		28.655
421.64		28.658
421.74		28.661
421.84		28.663
421.94		28.666
422.		28.668
422.01		
422.02		
422.05		28.669
422.14		28.672
422.24		28.674
422.34		28.677
422.44		28.68
422.54		28.682
422.64		28.685
422.74		28.688
422.84		28.69
422.94		28.693
423.		28.695
423.01		
423.02		
423.05		28.696
423.14		28.698
423.24		28.701
423.34		28.704
423.44		28.706
423.54		28.709
423.64		28.712
423.74		28.714
423.84		28.717
423.94		28.72
424.		28.721
424.01		28.722
424.02	23.951	
424.05		28.723
424.14		28.725
424.24		28.728
424.34		28.731
424.44		28.733
424.54		28.736
424.64		28.739
424.74		28.741
424.84		28.744
424.94		28.747
425.		28.748
425.01		
425.02		28.749
425.05		
425.14		28.752
425.24		28.755
425.34		28.757
425.44		28.76
425.54		28.763
425.64		28.765

425.74		28.768
425.84		28.771
425.94		28.773
426.		28.775
426.01		
426.02		
426.05		28.776
426.14		28.779
426.24		28.781
426.34		28.784
426.44		28.787
426.54		28.789
426.64		28.792
426.74		28.794
426.84		28.797
426.94		28.8
427.		28.801
427.01		28.802
427.02		
427.05		28.803
427.14		28.805
427.24		28.808
427.34		28.81
427.44		28.813
427.54		28.816
427.64		28.818
427.74		28.821
427.84		28.824
427.94		28.826
428.		28.828
428.01		
428.02	23.952	
428.05		28.829
428.14		28.832
428.24		28.834
428.34		28.837
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428.54		28.842
428.64		28.845
428.74		28.848
428.84		28.85
428.94		28.853
429.		28.854
429.01		28.855
429.02		
429.05		28.856
429.14		28.858
429.24		28.861
429.34		28.863
429.44		28.866
429.54		28.869
429.64		28.871
429.74		28.874
429.84		28.877
429.94		28.879
430.		28.881
430.01		
430.02		
430.05		28.882
430.14		28.885

430.24		28.887
430.34		28.89
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430.54		28.895
430.64		28.898
430.74		28.9
430.84		28.903
430.94		28.906
431.		28.907
431.01		
431.02		28.908
431.05		
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431.24		28.913
431.34		28.916
431.44		28.919
431.54		28.921
431.64		28.924
431.74		28.927
431.84		28.929
431.94		28.932
432.		28.933
432.01	23.953	28.934
432.02		
432.05		28.935
432.14		28.937
432.24		28.94
432.34		28.942
432.44		28.945
432.54		28.948
432.64		28.95
432.74		28.953
432.84		28.955
432.94		28.958
433.		28.96
433.01		
433.02		
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433.24		28.966
433.34		28.969
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433.64		28.976
433.74		28.979
433.84		28.982
433.94		28.984
434.		28.986
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434.54		29.
434.64		29.002
434.74		29.005
434.84		29.008
434.94		29.01

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435.54		29.026
435.64		29.029
435.74		29.031
435.84		29.034
435.94		29.036
436.		
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436.24		29.044
436.34		29.047
436.44		29.049
436.54		29.052
436.64		29.055
436.74		29.057
436.84		29.06
436.94		29.062
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437.02		
437.05		29.065
437.14		29.067
437.24		29.07
437.34		29.073
437.44		29.075
437.54		29.078
437.64		29.08
437.74		29.083
437.84		29.086
437.94		29.088
438.		
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438.02		
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438.34		29.099
438.44		29.101
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438.84		29.111
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439.02		
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439.44		29.127

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439.94		29.14
440.		29.141
440.01		29.142
440.02		
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440.54	23.955	29.155
440.64		29.158
440.74		29.16
440.84		29.163
440.94		29.166
441.		29.167
441.01		
441.02		29.168
441.05		
441.14		29.171
441.24		29.173
441.34		29.176
441.44		29.178
441.54		29.181
441.64		29.183
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441.84		29.189
441.94		29.191
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442.01		
442.02		
442.05		29.194
442.14		29.196
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442.84		29.214
442.94		29.217
443.	23.956	29.218
443.01		29.219
443.02		
443.05		29.22
443.14		29.222
443.24		29.224
443.34		29.227
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443.64		29.235
443.74		29.237
443.84		29.24
443.94		29.242
444.		29.244
444.01		
444.02		

444.05		29.245
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444.44		29.255
444.54		29.258
444.64		29.26
444.74		29.263
444.84		29.265
444.94		29.268
445.		29.269
445.01		
445.02		29.27
445.05		
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445.24		29.275
445.34		29.278
445.44		29.28
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445.64		29.285
445.74		29.288
445.84		29.291
445.94		29.293
446.		29.295
446.01		
446.02		
446.05		29.296
446.14		29.298
446.24		29.301
446.34		29.303
446.44		29.306
446.54		29.308
446.64		29.311
446.74		29.313
446.84		29.316
446.94		29.318
447.		29.32
447.01		
447.02		
447.05		29.321
447.14	23.957	29.323
447.24		29.326
447.34		29.328
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447.64		29.336
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447.84		29.341
447.94		29.344
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448.02		29.346
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448.54		29.359
448.64		29.361
448.74		29.364

448.84		29.366
448.94		29.369
449.		29.37
449.01		29.371
449.02		
449.05		29.372
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449.44		29.381
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449.64		29.386
449.74		29.389
449.84		29.391
449.94		29.394
450.		29.395
450.01		29.396
450.02		
450.05		29.397
450.14		29.399
450.24		29.401
450.34		29.404
450.44		29.406
450.54		29.409
450.64		29.411
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450.94		29.419
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451.01		29.421
451.02		
451.05		29.422
451.14		29.424
451.24		29.426
451.34		29.429
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451.54	23.958	29.434
451.64		29.436
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451.84		29.441
451.94		29.444
452.		29.445
452.01		29.446
452.02		
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452.24		29.451
452.34		29.454
452.44		29.456
452.54		29.459
452.64		29.461
452.74		29.464
452.84		29.466
452.94		29.469
453.		29.47
453.01		29.471
453.02		
453.05		29.472
453.14		29.474
453.24		29.476

453.34		29.479
453.44		29.481
453.54		29.484
453.64		29.486
453.74		29.489
453.84		29.491
453.94		29.494
454.		29.495
454.01		
454.02		29.496
454.05		
454.14		29.499
454.24		29.501
454.34		29.504
454.44		29.506
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454.64		29.511
454.74		29.514
454.84		29.516
454.94		29.518
455.		29.52
455.01		
455.02		
455.05		29.521
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455.44		29.531
455.54		29.533
455.64		29.536
455.74		29.538
455.84		29.541
455.94		29.543
456.	23.959	29.545
456.01		
456.02		
456.05		29.546
456.14		29.548
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456.54		29.558
456.64		29.56
456.74		29.563
456.84		29.565
456.94		29.568
457.		29.569
457.01		29.57
457.02		
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457.34		29.578
457.44		29.58
457.54		29.583
457.64		29.585
457.74		29.588
457.84		29.59
457.94		29.592
458.		

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458.64		29.61
458.74		29.612
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458.94		29.617
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459.01		
459.02		
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459.14		29.622
459.24		29.624
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459.44		29.629
459.54		29.632
459.64		29.634
459.74		29.637
459.84		29.639
459.94		29.642
460.		29.643
460.01		
460.02		
460.05		29.644
460.14		29.646
460.24		29.649
460.34	23.96	29.651
460.44		29.654
460.54		29.656
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460.74		29.661
460.84		29.663
460.94		29.666
461.		29.667
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461.02		
461.05		29.669
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461.34		29.676
461.44		29.678
461.54		29.681
461.64		29.683
461.74		29.685
461.84		29.688
461.94		29.69
462.		29.692
462.01		
462.02		
462.05		29.693
462.14		29.695
462.24		29.698
462.34		29.7
462.44		29.702
462.54		29.705

462.64		29.707
462.74		29.71
462.84		29.712
462.94		29.715
463.		29.716
463.01		
463.02		29.717
463.05		
463.14		29.719
463.24		29.722
463.34		29.724
463.44		29.727
463.54		29.729
463.64		29.732
463.74		29.734
463.84		29.736
463.94		29.739
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464.02		29.741
464.05		
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464.24		29.746
464.34		29.748
464.44		29.751
464.54		29.753
464.64	23.961	29.756
464.74		29.758
464.84		29.761
464.94		29.763
465.		29.764
465.01		29.765
465.02		
465.05		29.766
465.14		29.768
465.24		29.77
465.34		29.773
465.44		29.775
465.54		29.777
465.64		29.78
465.74		29.782
465.84		29.785
465.94		29.787
466.		29.789
466.01		
466.02		
466.05		29.79
466.14		29.792
466.24		29.794
466.34		29.797
466.44		29.799
466.54		29.801
466.64		29.804
466.74		29.806
466.84		29.809
466.94		29.811
467.		29.813
467.01		
467.02		
467.05		29.814

467.14		29.816
467.24		29.818
467.34		29.821
467.44		29.823
467.54		29.825
467.64		29.828
467.74		29.83
467.84		29.833
467.94		29.835
468.		29.837
468.01		
468.02		
468.05		29.838
468.14		29.84
468.24		29.842
468.34		29.845
468.44		29.847
468.54		29.849
468.64		29.852
468.74		29.854
468.84		29.857
468.94		29.859
469.		29.86
469.01		29.861
469.02		
469.05		29.862
469.14	23.962	29.864
469.24		29.866
469.34		29.869
469.44		29.871
469.54		29.873
469.64		29.876
469.74		29.878
469.84		29.88
469.94		29.883
470.		29.884
470.01		29.885
470.02		
470.05		
470.14		29.888
470.24		29.89
470.34		29.892
470.44		29.895
470.54		29.897
470.64		29.9
470.74		29.902
470.84		29.904
470.94		29.907
471.		29.908
471.01		
471.02		29.909
471.05		
471.14		29.911
471.24		29.914
471.34		29.916
471.44		29.919
471.54		29.921
471.64		29.923
471.74		29.926
471.84		29.928

471.94		29.93
472.		29.932
472.01		
472.02		
472.05		29.933
472.14		29.935
472.24		29.938
472.34		29.94
472.44		29.942
472.54		29.945
472.64		29.947
472.74		29.949
472.84		29.952
472.94		29.954
473.		29.955
473.01		29.956
473.02		
473.05		29.957
473.14		29.959
473.24		29.961
473.34		29.964
473.44		29.966
473.54		29.968
473.64		29.971
473.74	23.963	29.973
473.84		29.975
473.94		29.978
474.		29.979
474.01		
474.02		29.98
474.05		
474.14		29.982
474.24		29.985
474.34		29.987
474.44		29.989
474.54		29.992
474.64		29.994
474.74		29.997
474.84		29.999
474.94		30.001
475.		30.003
475.01		
475.02		
475.05		30.004
475.14		30.006
475.24		30.008
475.34		30.011
475.44		30.013
475.54		30.015
475.64		30.018
475.74		30.02
475.84		30.022
475.94		30.025
476.		30.026
476.01		
476.02		30.027
476.05		
476.14		30.029
476.24		30.032
476.34		30.034

476.44		30.036
476.54		30.039
476.64		30.041
476.74		30.044
476.84		30.046
476.94		30.048
477.		30.05
477.01		
477.02		
477.05		30.051
477.14		30.053
477.24		30.055
477.34		30.058
477.44		30.06
477.54		30.062
477.64		30.065
477.74		30.067
477.84		30.069
477.94		30.072
478.		30.073
478.01		
478.02		
478.05		30.074
478.14		30.076
478.24	23.964	30.079
478.34		30.081
478.44		30.083
478.54		30.086
478.64		30.088
478.74		30.09
478.84		30.093
478.94		30.095
479.		30.096
479.01		30.097
479.02		
479.05		
479.14		30.1
479.24		30.102
479.34		30.104
479.44		30.107
479.54		30.109
479.64		30.111
479.74		30.114
479.84		30.116
479.94		30.118
480.		30.12
480.01		
480.02		
480.05		30.121
480.14		30.123
480.24		30.125
480.34		30.127
480.44		30.13
480.54		30.132
480.64		30.134
480.74		30.137
480.84		30.139
480.94		30.141
481.		30.143
481.01		

481.02		
481.05		30.144
481.14		30.146
481.24		30.148
481.34		30.151
481.44		30.153
481.54		30.155
481.64		30.158
481.74		30.16
481.84		30.162
481.94		30.165
482.		30.166
482.01		
482.02		
482.05		30.167
482.14		30.169
482.24		30.172
482.34		30.174
482.44		30.176
482.54		30.178
482.64		30.181
482.74		30.183
482.84		30.185
482.94	23.965	30.188
483.		30.189
483.01		
483.02		30.19
483.05		
483.14		30.192
483.24		30.195
483.34		30.197
483.44		30.199
483.54		30.202
483.64		30.204
483.74		30.206
483.84		30.208
483.94		30.211
484.		30.212
484.01		
484.02		30.213
484.05		
484.14		30.215
484.24		30.218
484.34		30.22
484.44		30.222
484.54		30.225
484.64		30.227
484.74		30.229
484.84		30.231
484.94		30.234
485.		30.235
485.01		
485.02		30.236
485.05		
485.14		30.238
485.24		30.241
485.34		30.243
485.44		30.245
485.54		30.247
485.64		30.25

485.74		30.252
485.84		30.254
485.94		30.257
486.		30.258
486.01		
486.02		
486.05		30.259
486.14		30.261
486.24		30.263
486.34		30.266
486.44		30.268
486.54		30.27
486.64		30.273
486.74		30.275
486.84		30.277
486.94		30.28
487.		30.281
487.01		
487.02		
487.05		30.282
487.14		30.284
487.24		30.286
487.34		30.289
487.44		30.291
487.54	23.966	30.293
487.64		30.295
487.74		30.298
487.84		30.3
487.94		30.302
488.		30.304
488.01		
488.02		
488.05		30.305
488.14		30.307
488.24		30.309
488.34		30.311
488.44		30.314
488.54		30.316
488.64		30.318
488.74		30.321
488.84		30.323
488.94		30.325
489.		30.326
489.01		30.327
489.02		
489.05		30.328
489.14		30.33
489.24		30.332
489.34		30.334
489.44		30.336
489.54		30.339
489.64		30.341
489.74		30.343
489.84		30.346
489.94		30.348
490.		30.349
490.01		
490.02		30.35
490.05		
490.14		30.352

490.24		30.355
490.34		30.357
490.44		30.359
490.54		30.361
490.64		30.364
490.74		30.366
490.84		30.368
490.94		30.37
491.		30.372
491.01		
491.02		
491.05		30.373
491.14		30.375
491.24		30.377
491.34		30.379
491.44		30.382
491.54		30.384
491.64		30.386
491.74		30.388
491.84		30.391
491.94		30.393
492.		30.394
492.01		30.395
492.02		
492.05	23.967	
492.14		30.398
492.24		30.4
492.34		30.402
492.44		30.404
492.54		30.407
492.64		30.409
492.74		30.411
492.84		30.413
492.94		30.416
493.		30.417
493.01		
493.02		
493.05		30.418
493.14		30.42
493.24		30.422
493.34		30.425
493.44		30.427
493.54		30.429
493.64		30.431
493.74		30.434
493.84		30.436
493.94		30.438
494.		30.439
494.01		30.44
494.02		
494.05		
494.14		30.442
494.24		30.445
494.34		30.447
494.44		30.449
494.54		30.451
494.64		30.454
494.74		30.456
494.84		30.458
494.94		30.46

495.		
495.01		30.462
495.02		
495.05		30.463
495.14		30.465
495.24		30.467
495.34		30.469
495.44		30.472
495.54		30.474
495.64		30.476
495.74		30.478
495.84		30.481
495.94		30.483
496.		30.484
496.01		
496.02		30.485
496.05		
496.14		30.487
496.24		30.489
496.34		30.492
496.44		30.494
496.54		30.496
496.64		30.498
496.74		30.501
496.84	23.968	30.503
496.94		30.505
497.		30.506
497.01		30.507
497.02		
497.05		
497.14		30.509
497.24		30.512
497.34		30.514
497.44		30.516
497.54		30.518
497.64		30.521
497.74		30.523
497.84		30.525
497.94		30.527
498.		30.529
498.01		
498.02		
498.05		30.53
498.14		30.532
498.24		30.534
498.34		30.536
498.44		30.538
498.54		30.541
498.64		30.543
498.74		30.545
498.84		30.547
498.94		30.549
499.		30.551
499.01		
499.02		
499.05		30.552
499.14		30.554
499.24		30.556
499.34		30.558
499.44		30.56

499.54		30.563
499.64		30.565
499.74		30.567
499.84		30.569
499.94		30.572
500.		30.573
500.01		
500.02		
500.05		30.574
500.14		30.576
500.24		30.578
500.34		30.58
500.44		30.583
500.54		30.585
500.64		30.587
500.74		30.589
500.84		30.591
500.94		30.594
501.		30.595
501.01		
501.02		
501.05		30.596
501.14		30.598
501.24		30.6
501.34		30.602
501.44		30.605
501.54	23.969	30.607
501.64		30.609
501.74		30.611
501.84		30.613
501.94		30.616
502.		30.617
502.01		
502.02		
502.05		30.618
502.14		30.62
502.24		30.622
502.34		30.624
502.44		30.627
502.54		30.629
502.64		30.631
502.74		30.633
502.84		30.635
502.94		30.637
503.		30.639
503.01		
503.02		
503.05		30.64
503.14		30.642
503.24		30.644
503.34		30.646
503.44		30.648
503.54		30.651
503.64		30.653
503.74		30.655
503.84		30.657
503.94		30.659
504.		30.661
504.01		
504.02		

504.05		30.662
504.14		30.664
504.24		30.666
504.34		30.668
504.44		30.67
504.54		30.672
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504.84		30.679
504.94		30.681
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505.01		30.683
505.02		
505.05		30.684
505.14		30.686
505.24		30.688
505.34		30.69
505.44		30.692
505.54		30.694
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505.74		30.699
505.84		30.701
505.94		30.703
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506.01		
506.02		30.705
506.05		
506.14		30.707
506.24	23.97	30.709
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506.84		30.722
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507.		30.726
507.01		
507.02		
507.05		30.727
507.14		30.729
507.24		30.731
507.34		30.733
507.44		30.735
507.54		30.738
507.64		30.74
507.74		30.742
507.84		30.744
507.94		30.746
508.		30.748
508.01		
508.02		
508.05		30.749
508.14		30.751
508.24		30.753
508.34		30.755
508.44		30.757
508.54		30.759
508.64		30.761
508.74		30.764

508.84		30.766
508.94		30.768
509.		30.769
509.01		
509.02		30.77
509.05		
509.14		30.772
509.24		30.774
509.34		30.776
509.44		30.779
509.54		30.781
509.64		30.783
509.74		30.785
509.84		30.787
509.94		30.789
510.		30.791
510.01		
510.02		
510.05		30.792
510.14		30.794
510.24		30.796
510.34		30.798
510.44		30.8
510.54		30.802
510.64		30.804
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510.94		30.811
511.		30.812
511.01		
511.02	23.971	30.813
511.05		
511.14		30.815
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511.74		30.828
511.84		30.83
511.94		30.832
512.		30.834
512.01		
512.02		
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512.24		30.839
512.34		30.841
512.44		30.843
512.54		30.845
512.64		30.847
512.74		30.849
512.84		30.851
512.94		30.854
513.		30.855
513.01		
513.02		
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513.14		30.858
513.24		30.86

513.34		30.862
513.44		30.864
513.54		30.866
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513.84		30.873
513.94		30.875
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514.05		
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514.54		30.888
514.64		30.89
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515.		30.897
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515.02		
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515.14		30.9
515.24		30.903
515.34		30.905
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515.54		30.909
515.64		30.911
515.74		30.913
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515.94		30.917
516.		30.919
516.01		
516.02		
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516.14		30.922
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516.34		30.926
516.44		30.928
516.54		30.93
516.64		30.932
516.74		30.934
516.84		30.936
516.94		30.939
517.		30.94
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517.34		30.947
517.44		30.949
517.54		30.951
517.64		30.953
517.74		30.955
517.84		30.957
517.94		30.96
518.		

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518.02		
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518.34		30.968
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518.54		30.972
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518.84		30.979
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519.14		30.985
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519.74		30.997
519.84		31.
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521.02		
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521.54		31.035
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521.94		31.043
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522.02		
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522.24		31.05
522.34		31.052
522.44		31.054
522.54		31.056

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522.74		31.06
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523.02		
523.05		
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524.64		31.099
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524.94		31.106
525.		31.107
525.01		
525.02		
525.05		31.108
525.14		31.11
525.24		31.112
525.34		31.114
525.44	23.974	31.116
525.54		31.118
525.64		31.12
525.74		31.122
525.84		31.124
525.94		31.126
526.		31.128
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526.02		
526.05		31.129
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526.24		31.132
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526.44		31.137
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526.64		31.141
526.74		31.143
526.84		31.145
526.94		31.147
527.		31.148
527.01		
527.02		31.149
527.05		

527.14		31.151
527.24		31.153
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527.54		31.159
527.64		31.161
527.74		31.163
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527.94		31.167
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528.01		31.169
528.02		
528.05		31.17
528.14		31.172
528.24		31.174
528.34		31.176
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528.64		31.182
528.74		31.184
528.84		31.186
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529.		
529.01		31.189
529.02		
529.05		31.19
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529.34		31.196
529.44		31.198
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530.02		
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530.24	23.975	31.214
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530.64		31.223
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530.84		31.227
530.94		31.229
531.		
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531.02		
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531.14		31.233
531.24		31.235
531.34		31.237
531.44		31.239
531.54		31.241
531.64		31.243
531.74		31.245
531.84		31.247

531.94	31.249
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532.01	31.251
532.02	
532.05	
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532.24	31.255
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532.44	31.259
532.54	31.261
532.64	31.263
532.74	31.265
532.84	31.267
532.94	31.269
533.	31.271
533.01	
533.02	
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534.02	
534.05	31.292
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534.24	31.296
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534.94	31.31
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535.02	
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535.64	31.324
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536.02	
536.05	31.332
536.14	31.334
536.24	31.336
536.34	31.338

536.44		31.34
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536.94		31.35
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537.05		
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541.01		

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542.74		31.465
542.84		31.467
542.94	23.977	31.469
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544.94		31.509
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545.02		
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545.34		31.516
545.44		31.518
545.54		31.52
545.64		31.522

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546.05		
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550.05		
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551.74		31.641
551.84		31.643
551.94		31.645
552.		31.646
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552.02		
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552.14		31.648
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554.05		
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554.94		31.702

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555.7		31.717
556.2		31.726
556.7		31.736
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557.7		31.755
558.2		31.764
558.7		31.774
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559.7		31.793
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560.05		31.799
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561.2		31.821
561.7		31.83
562.2		31.84
562.7		31.849
563.2		31.858
563.7		31.868
564.2		31.877
564.7		31.886
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565.1		31.894
565.25		31.897
565.7		31.905
566.2		31.914
566.7		31.923
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567.7		31.942
568.2		31.951
568.7		31.96
569.2		31.97
569.7		31.979
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570.1		31.986
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570.7		31.997
571.2		32.006
571.7		32.016
572.2		32.025
572.7		32.034
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574.2		32.061
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575.05	23.983	32.077
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575.7		32.088
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576.7		32.107
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578.7		32.143
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579.7		32.161
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581.7		32.196
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583.7		32.232
584.2		32.241
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585.7		32.267
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590.7		32.355
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591.7		32.372
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597.7		32.476
598.2		32.484
598.7	23.987	32.493
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599.7		32.51
600.		32.515
601.		32.532
602.		32.549

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614.	23.989	32.749
624.	23.991	32.91
634.	23.993	33.067
644.	23.994	33.22
654.	23.996	33.369
664.	23.997	33.513
674.	23.999	33.654
684.	24.	33.791
694.	24.001	33.924
700.	24.002	34.002
701.		34.015
702.		34.028
705.	24.003	34.066
714.	24.004	34.178
724.	24.005	34.3
734.	24.007	34.418
744.	24.008	34.533
754.	24.009	34.644
764.	24.011	34.752
774.	24.012	34.856
784.	24.013	34.957
794.	24.014	35.055
800.	24.015	35.112
801.		35.121
802.		35.13
805.	24.016	35.158
814.	24.017	35.241
824.	24.018	35.329
834.	24.019	35.414
844.	24.02	35.497
854.	24.021	35.576
864.	24.022	35.653
874.	24.023	35.726
884.	24.024	35.797
894.	24.025	35.866
900.	24.026	35.905
901.		35.912
902.		35.918
905.		35.937
914.	24.027	35.994
924.	24.028	36.054
934.	24.029	36.112
944.	24.03	36.168
954.	24.031	36.221
964.	24.032	36.272
974.	24.033	36.32
984.	24.034	36.366
994.	24.035	36.41
1000.		36.435
1002.		36.443
1004.		36.451
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1068.	24.041	36.671
1088.	24.042	36.723
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1128.	24.045	36.806
1148.	24.047	36.837

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1210.		36.892
1228.	24.052	36.898
1248.	24.053	36.899
1268.	24.054	36.895
1288.	24.056	36.886
1308.	24.057	36.872
1328.	24.058	36.853
1348.	24.059	36.83
1368.	24.06	36.802
1388.	24.061	36.77
1400.	24.062	36.749
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1404.		36.741
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1428.	24.063	36.693
1448.	24.064	36.65
1468.	24.065	36.604
1488.	24.066	36.554
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1688.	24.073	35.901
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1768.	24.075	35.58
1788.	24.076	35.495
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1928.	24.079	34.865
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1968.		34.675
1988.	24.08	34.579
2000.		34.52
2002.		34.51
2004.		34.5
2010.		34.471
2028.		34.383
2048.		34.284

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2088.		34.086
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2148.	24.082	33.785
2168.		33.684
2188.		33.583
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2204.		33.5
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2228.		33.377
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2268.		33.172
2288.		33.069
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2328.		32.864
2348.		32.761
2368.		32.658
2388.		32.555
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2568.		31.631
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2668.		31.124
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2728.		30.825
2748.	24.081	30.726
2768.		30.628
2788.		30.529
2800.		30.47
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2804.		30.45
2810.		30.42
2828.		30.332
2848.	24.08	30.235
2868.		30.136
2888.		30.038
2908.		29.942
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2968.		29.656
2988.		29.562
3000.		29.506

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3188.	24.075	28.644
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3268.		28.294
3288.	24.073	28.208
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3328.		28.038
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3368.		27.87
3388.	24.071	27.787
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3404.		27.72
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3604.	24.066	26.922
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3628.		26.83
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3668.		26.678
3688.	24.064	26.604
3708.		26.529
3728.	24.063	26.456
3748.		26.382
3768.	24.062	26.31
3788.		26.238
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3804.		26.18
3810.		26.158
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3868.		25.954
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4204.	24.049	24.958
4210.		24.954
4228.		24.941
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4268.	24.047	24.915
4288.		24.902
4308.	24.046	24.888
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4404.		24.828
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4448.	24.041	24.801
4468.		24.789
4488.	24.039	24.778
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4568.	23.828	24.732
4588.	23.776	24.721
4600.	23.745	24.714
4602.	23.74	24.713
4604.	23.735	24.712
4610.	23.719	24.708
4628.	23.673	24.699
4648.	23.622	24.688
4668.	23.572	24.677
4688.	23.522	24.666
4708.	23.473	24.656
4728.	23.424	24.646
4748.	23.375	24.636
4768.	23.327	24.625
4788.	23.28	24.615
4800.	23.251	24.609
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4804.	23.241	24.607
4810.	23.227	24.604

4828.	23.185	24.595
4848.	23.138	24.585
4868.	23.092	24.576
4888.	23.046	24.566
4908.	23.001	24.557
4928.	22.956	24.547
4948.	22.912	24.538
4968.	22.868	24.529
4988.	22.824	24.52
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5002.	22.793	24.513
5004.	22.789	24.512
5010.	22.776	24.51
5028.	22.737	24.502
5048.	22.694	24.493
5068.	22.652	24.484
5088.	22.61	24.475
5108.	22.569	24.466
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5148.	22.487	24.449
5168.	22.446	24.441
5188.	22.406	24.432
5200.	22.382	24.427
5202.	22.378	24.426
5204.	22.374	
5210.	22.362	24.423
5228.	22.327	24.416
5248.	22.288	24.408
5268.	22.249	24.4
5288.	22.211	24.392
5308.	22.173	24.384
5328.	22.135	24.376
5348.	22.098	24.368
5368.	22.061	24.36
5388.	22.024	24.352
5400.	22.002	24.348
5402.	21.999	24.347
5404.	21.995	24.346
5410.	21.984	24.344
5428.	21.951	24.337
5448.	21.916	24.329
5468.	21.88	24.322
5488.	21.845	24.315
5508.	21.811	24.307
5528.	21.776	24.3
5548.	21.742	24.293
5568.	21.709	24.286
5588.	21.675	24.279
5600.	21.655	24.274
5602.	21.652	
5604.	21.648	24.273
5610.	21.638	24.271
5628.	21.608	24.265
5648.	21.576	24.258
5668.	21.544	24.251
5688.	21.512	24.244
5708.	21.48	24.237
5728.	21.448	24.231
5748.	21.417	24.224
5768.	21.386	24.217

5788.	21.356	24.211
5800.	21.337	24.207
5802.	21.334	24.206
5804.	21.331	
5810.	21.322	24.204
5828.	21.295	24.198
5848.	21.265	24.191
5868.	21.236	24.188
5888.	21.206	24.185
5908.	21.177	24.182
5928.	21.149	24.179
5948.	21.12	24.176
5968.	21.092	24.173
5988.	21.064	24.17
6000.	21.047	24.168
6002.	21.045	
6004.	21.042	
6010.	21.033	24.167
6028.	21.009	24.164
6048.	20.981	24.162
6068.	20.954	24.159
6088.	20.928	24.156
6108.	20.901	24.153
6128.	20.875	24.15
6148.	20.849	24.148
6168.	20.823	24.145
6188.	20.798	24.142
6200.	20.783	24.141
6202.	20.78	24.14
6204.	20.777	
6210.	20.77	24.139
6228.	20.747	24.137
6248.	20.722	24.134
6268.	20.698	24.131
6288.	20.673	24.129
6308.	20.649	24.126
6328.	20.625	24.123
6348.	20.601	24.121
6368.	20.578	24.118
6388.	20.555	24.116
6400.	20.541	24.114
6402.	20.538	
6404.	20.536	24.113
6410.	20.529	
6428.	20.508	24.11
6448.	20.486	24.108
6468.	20.463	24.105
6488.	20.441	24.103
6508.	20.419	24.1
6528.	20.397	24.098
6548.	20.375	24.095
6568.	20.354	24.093
6588.	20.333	24.09
6600.	20.32	24.089
6602.	20.318	24.088
6604.	20.316	
6610.	20.309	24.087
6628.	20.29	24.085
6648.	20.27	24.083
6668.	20.249	24.08

6688.	20.229	24.078
6708.	20.209	24.076
6728.	20.189	24.073
6748.	20.169	24.071
6768.	20.15	24.068
6788.	20.13	24.066
6800.	20.119	24.065
6802.	20.117	24.064
6804.	20.115	
6810.	20.109	24.063
6828.	20.092	24.061
6848.	20.073	24.059
6868.	20.054	24.057
6888.	20.035	24.054
6908.	20.017	24.052
6928.	19.999	24.05
6948.	19.981	24.047
6968.	19.963	24.045
6988.	19.945	24.043
7000.	19.935	24.042
7002.	19.933	24.041
7004.	19.931	
7010.	19.926	24.04
7028.	19.91	24.038
7048.	19.893	24.036
7068.	19.876	24.034
7088.	19.859	24.032
7108.	19.842	24.03
7128.	19.825	24.027
7148.	19.809	24.025
7168.	19.793	24.023
7188.	19.776	24.021
7200.	19.767	24.02

Material Data

Drum Contents

TABLE 28
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 29
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 30
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 31
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 32
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 33
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 34
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 35
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 36
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 37
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 38
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 39
Room Steel > Constants

Density	7854 kg m^-3

TABLE 40
Room Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85

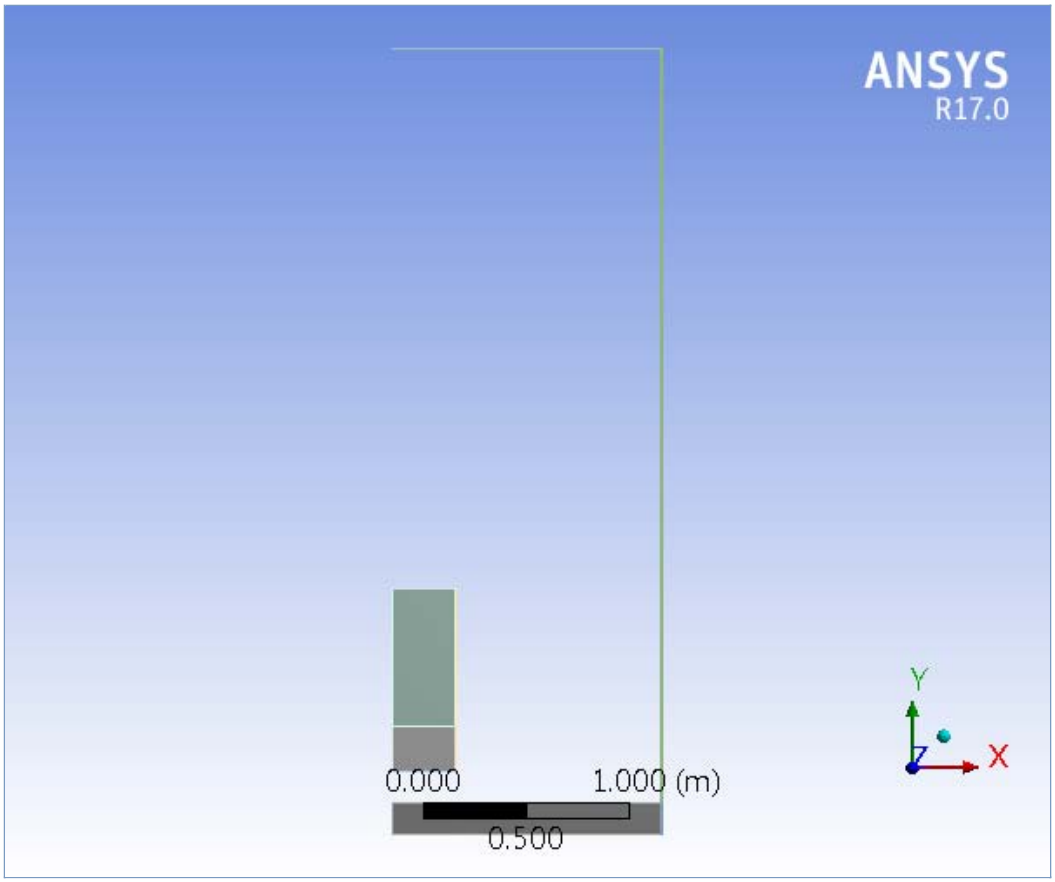
48	326.85

TABLE 41
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, April 15, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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  - Drum Contents
  - Drum Steel
  - Air
  - Concrete
  - Room Steel

Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (Q4)

Geometry

TABLE 2
Model (Q4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-26\DM\SYS-26.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	

Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	13
Active Bodies	13
Nodes	12833
Elements	3928
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (Q4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										

Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											
Nodes	1901	613	133	413	3741	813	613	133	1301	213	2013
Elements	600	180	36	120	1200	240	180	36	400	60	600
Mesh Metric	None										

TABLE 4
Model (Q4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*
State	Meshed	
Graphics Properties		
Visible	Yes	
Transparency	1	
Definition		
Suppressed	No	
Stiffness Behavior	Flexible	
Coordinate System	Default Coordinate System	
Reference Temperature	By Environment	
Behavior	None	
Material		
Assignment	Room Steel	
Nonlinear Effects	Yes	
Thermal Strain Effects	Yes	
Bounding Box		
Length X	6.35e-003 m	1.3035 m
Length Y	6.35e-003 m	
Properties		
Volume	N/A	
Mass	N/A	
Centroid X	N/A	
Centroid Y	N/A	
Centroid Z	N/A	
Moment of Inertia Ip1	N/A	
Moment of Inertia Ip2	N/A	
Moment of Inertia Ip3	N/A	
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²
Statistics		
Nodes	133	813
Elements	36	240
Mesh Metric	None	

Coordinate Systems

TABLE 5
Model (Q4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m

Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (Q4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (Q4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.e-005 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	14
Active Connections	14

TABLE 8
Model (Q4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.e-005 m										

Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (Q4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Contact	1 Edge		
Target	1 Edge		
Contact Bodies	Surface Body		
Target Bodies	Surface Body		
Shell Thickness Effect	No		
Definition			
Type	Bonded		
Scope Mode	Automatic		
Behavior	Program Controlled		
Trim Contact	Program Controlled		
Trim Tolerance	1.e-005 m		
Suppressed	No		
Advanced			
Formulation	Program Controlled		
Detection Method	Program Controlled		
Elastic Slip Tolerance	Program Controlled		
Thermal Conductance	Program Controlled		
Pinball Region	Program Controlled		
Geometric Modification			
Contact Geometry Correction	None		
Target Geometry Correction	None		

Mesh

TABLE 10
Model (Q4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive

Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	12833
Elements	3928
Mesh Metric	None

TABLE 11
Model (Q4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*
State	Fully Defined									
Scope										
Scoping Method	Named Selection									Geometry Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof	
Geometry										13 Faces
Definition										
Suppressed	No									
Type	Number of Divisions									
Number of Divisions	6	30	20	40	10	50	6	100	40	
Behavior	Hard									
Bias Type	No Bias									
Mapped Mesh										Yes
Method										Quadrilaterals
Constrain Boundary										No
Advanced										

Specified Sides		No Selection
Specified Corners		No Selection
Specified Ends		No Selection

Named Selections

TABLE 12
Model (Q4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*
State	Fully Defined								
Scope									
Scoping Method	Worksheet				Geometry Selection	Worksheet			
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Definition									
Send to Solver	Yes								
Visible	Yes								
Program Controlled Inflation	Exclude								
Statistics									
Type	Manual								
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m
Suppressed	0								
Used by Mesh Worksheet	No								
Tolerance									
Tolerance Type	Program Controlled					Program Controlled			
Zero Tolerance	1.e-008					1.e-008			
Relative Tolerance	1.e-003					1.e-003			

Transient Thermal (Q5)

TABLE 13
Model (Q4) > Analysis

Object Name	*Transient Thermal (Q5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 14
Model (Q4) > Transient Thermal (Q5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined
Definition	

Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 15
Model (Q4) > Transient Thermal (Q5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	490.
Current Step Number	490.
Step End Time	10800 s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-26\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 16
Model (Q4) > Transient Thermal (Q5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			

12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s	2.e-002 s	2.e-003 s	0.2 s
43	86. s			
44	88. s			
45	90. s			
46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72				

	144. s			
73	146. s			
74	148. s			
75	150. s			
76	152. s			
77	154. s			
78	156. s			
79	158. s			
80	160. s			
81	161. s			
82	162. s			
83	163. s			
84	164. s			
85	165. s			
86	166. s			
87	167. s			
88	168. s			
89	169. s			
90	170. s			
91	171. s			
92	172. s			
93	173. s			
94	174. s			
95	175. s			
96	176. s			
97	177. s			
98	178. s			
99	179. s			
100	180. s			
101	181. s			
102	182. s			
103	183. s			
104	184. s			
105	185. s			
106	186. s			
107	187. s			
108	188. s			
109	189. s			
110	190. s			
111	191. s			
112	192. s			
113	193. s			
114	194. s			
115	195. s			
116	196. s			
117	197. s			
118	198. s			
119	199. s			
120	200. s			
121	201. s			
122	202. s			
123	203. s			
124	204. s			
125	205. s			
126	206. s			
127	207. s			
128	208. s			
129	209. s			
130	210. s			
131	211. s			

	212. s
133	213. s
134	214. s
135	215. s
136	216. s
137	217. s
138	218. s
139	219. s
140	220. s
141	221. s
142	222. s
143	223. s
144	224. s
145	225. s
146	226. s
147	227. s
148	228. s
149	229. s
150	230. s
151	231. s
152	232. s
153	233. s
154	234. s
155	235. s
156	236. s
157	237. s
158	238. s
159	239. s
160	240. s
161	241. s
162	242. s
163	243. s
164	244. s
165	245. s
166	246. s
167	247. s
168	248. s
169	249. s
170	250. s
171	251. s
172	252. s
173	253. s
174	254. s
175	255. s
176	256. s
177	257. s
178	258. s
179	259. s
180	260. s
181	261. s
182	262. s
183	263. s
184	264. s
185	265. s
186	266. s
187	267. s
188	268. s
189	269. s
190	270. s
191	271. s
192	

	272. s
193	273. s
194	274. s
195	275. s
196	276. s
197	277. s
198	278. s
199	279. s
200	280. s
201	281. s
202	282. s
203	283. s
204	284. s
205	285. s
206	286. s
207	287. s
208	288. s
209	289. s
210	290. s
211	291. s
212	292. s
213	293. s
214	294. s
215	295. s
216	296. s
217	297. s
218	298. s
219	299. s
220	300. s
221	301. s
222	302. s
223	303. s
224	304. s
225	305. s
226	306. s
227	307. s
228	308. s
229	309. s
230	310. s
231	311. s
232	312. s
233	313. s
234	314. s
235	315. s
236	316. s
237	317. s
238	318. s
239	319. s
240	320. s
241	321. s
242	322. s
243	323. s
244	324. s
245	325. s
246	326. s
247	327. s
248	328. s
249	329. s
250	330. s
251	331. s
252	

	332. s
253	333. s
254	334. s
255	335. s
256	336. s
257	337. s
258	338. s
259	339. s
260	340. s
261	341. s
262	342. s
263	343. s
264	344. s
265	345. s
266	346. s
267	347. s
268	348. s
269	349. s
270	350. s
271	351. s
272	352. s
273	353. s
274	354. s
275	355. s
276	356. s
277	357. s
278	358. s
279	359. s
280	360. s
281	361. s
282	362. s
283	363. s
284	364. s
285	365. s
286	366. s
287	367. s
288	368. s
289	369. s
290	370. s
291	371. s
292	372. s
293	373. s
294	374. s
295	375. s
296	376. s
297	377. s
298	378. s
299	379. s
300	380. s
301	381. s
302	382. s
303	383. s
304	384. s
305	385. s
306	386. s
307	387. s
308	388. s
309	389. s
310	390. s
311	391. s
312	

	392. s
313	393. s
314	394. s
315	395. s
316	396. s
317	397. s
318	398. s
319	399. s
320	400. s
321	401. s
322	402. s
323	403. s
324	404. s
325	405. s
326	406. s
327	407. s
328	408. s
329	409. s
330	410. s
331	411. s
332	412. s
333	413. s
334	414. s
335	415. s
336	416. s
337	417. s
338	418. s
339	419. s
340	420. s
341	421. s
342	422. s
343	423. s
344	424. s
345	425. s
346	426. s
347	427. s
348	428. s
349	429. s
350	430. s
351	431. s
352	432. s
353	433. s
354	434. s
355	435. s
356	436. s
357	437. s
358	438. s
359	439. s
360	440. s
361	441. s
362	442. s
363	443. s
364	444. s
365	445. s
366	446. s
367	447. s
368	448. s
369	449. s
370	450. s
371	451. s
372	

	452. s
373	453. s
374	454. s
375	455. s
376	456. s
377	457. s
378	458. s
379	459. s
380	460. s
381	461. s
382	462. s
383	463. s
384	464. s
385	465. s
386	466. s
387	467. s
388	468. s
389	469. s
390	470. s
391	471. s
392	472. s
393	473. s
394	474. s
395	475. s
396	476. s
397	477. s
398	478. s
399	479. s
400	480. s
401	481. s
402	482. s
403	483. s
404	484. s
405	485. s
406	486. s
407	487. s
408	488. s
409	489. s
410	490. s
411	491. s
412	492. s
413	493. s
414	494. s
415	495. s
416	496. s
417	497. s
418	498. s
419	499. s
420	500. s
421	501. s
422	502. s
423	503. s
424	504. s
425	505. s
426	506. s
427	507. s
428	508. s
429	509. s
430	510. s
431	511. s
432	

	512. s				
433	513. s				
434	514. s				
435	515. s				
436	516. s				
437	517. s				
438	518. s				
439	519. s				
440	520. s				
441	521. s				
442	522. s				
443	523. s				
444	524. s				
445	525. s				
446	526. s				
447	527. s				
448	528. s				
449	529. s				
450	530. s				
451	531. s				
452	532. s				
453	533. s				
454	534. s				
455	535. s				
456	536. s	1.e-002 s			
457	537. s				
458	538. s				
459	539. s				
460	540. s				
461	541. s				
462	542. s				
463	543. s				
464	544. s				
465	545. s				
466	546. s				
467	547. s				
468	548. s				
469	549. s				
470	550. s				
471	551. s				
472	552. s				
473	553. s				
474	554. s				
475	555. s				
476	556. s				
477	557. s				
478	558. s				
479	559. s				
480	560. s				

			1.e-003 s		

				0.1 s
481	600. s	0.4 s	4.e-002 s	4. s
482	1200. s	6. s	0.6 s	60. s
483	2400. s	12. s	1.2 s	120. s
484	3600. s			
485	4800. s			
486	6000. s			
487	7200. s			
488	8400. s			
489	9600. s			
490	10800 s			

TABLE 17
Model (Q4) > Transient Thermal (Q5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*
State	Fully Defined									
Scope										
Scoping Method	Geometry Selection									
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges		
Definition										
Type	Temperature	Radiation						Convection	Heat Flux	Radiation
Magnitude	22.25 °C (step applied)								Tabular Data	
Suppressed	No									
Correlation		Surface to Surface								To Ambient
Emissivity		1. (step applied)					1.e-004 (step applied)			1. (step applied)
Enclosure		1.								
Enclosure Type		Perfect								
Film Coefficient								Tabular Data		
Ambient Temperature								Tabular Data		16.85 °C (step applied)
Convection Matrix								Program Controlled		
Edit Data For								Film Coefficient		
Tabular Data										
Independent Variable								Time		

FIGURE 1
Model (Q4) > Transient Thermal (Q5) > Temperature

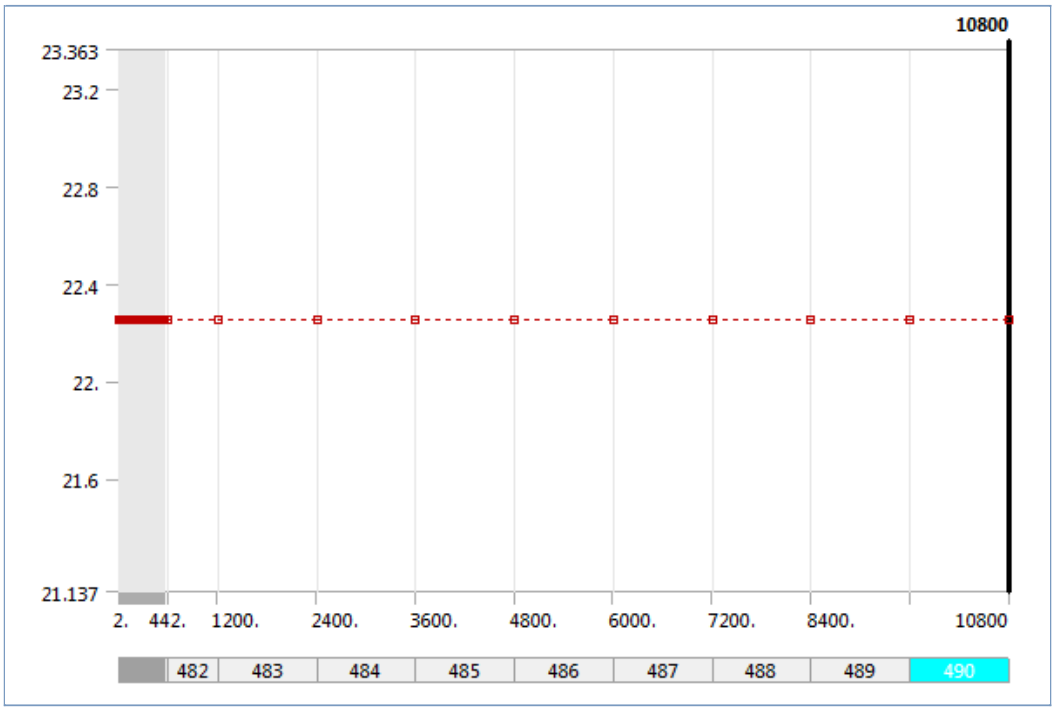


FIGURE 2
Model (Q4) > Transient Thermal (Q5) > Radiation 2

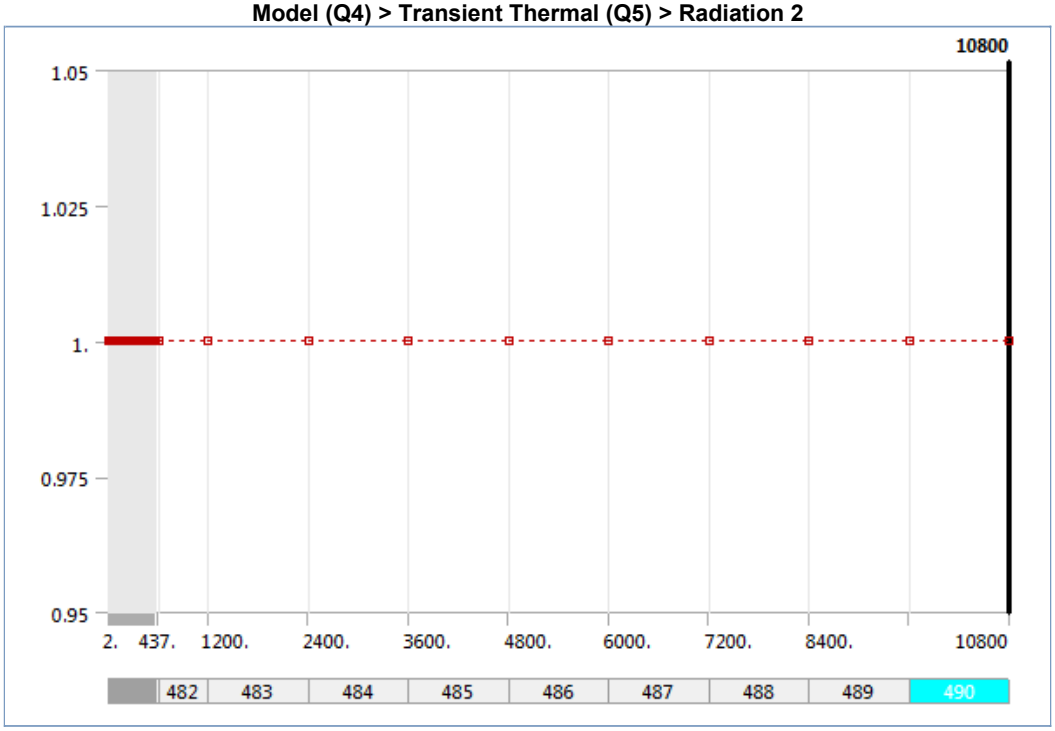


FIGURE 3
Model (Q4) > Transient Thermal (Q5) > Radiation 3

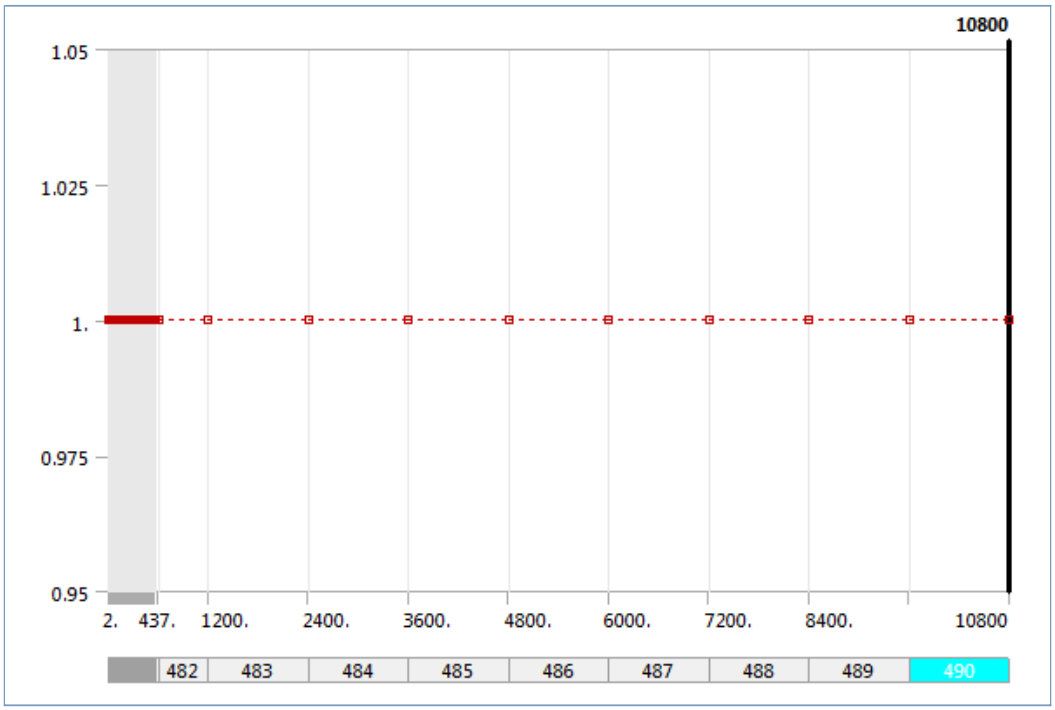


FIGURE 4
Model (Q4) > Transient Thermal (Q5) > Radiation 4

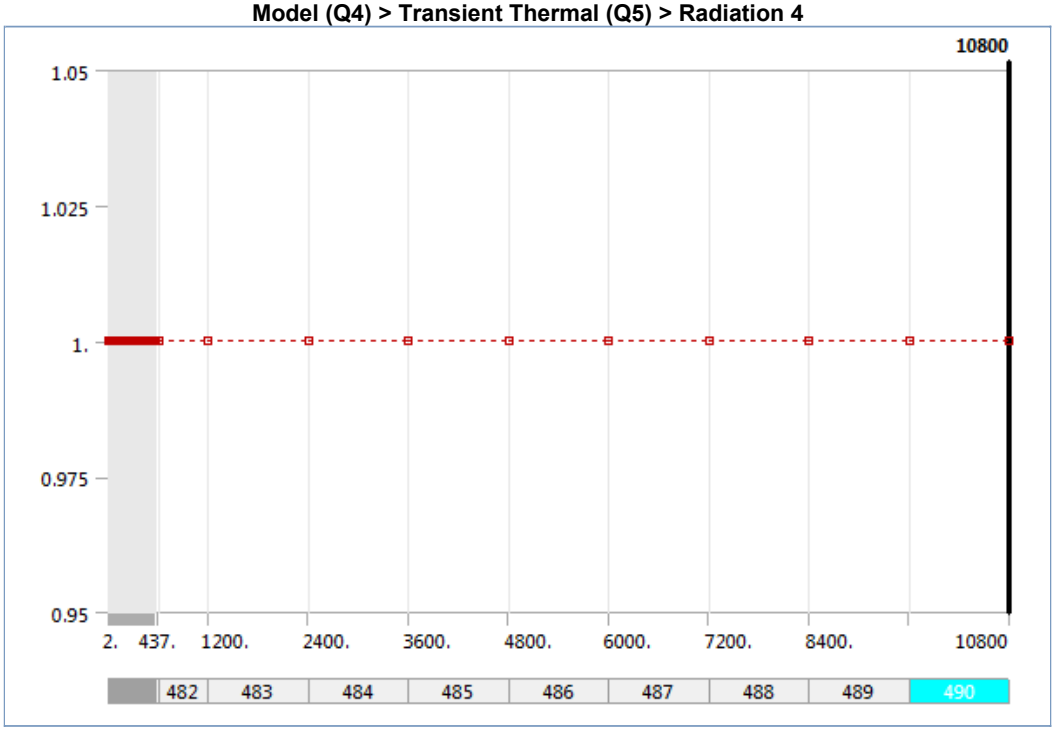


FIGURE 5
Model (Q4) > Transient Thermal (Q5) > Radiation 5

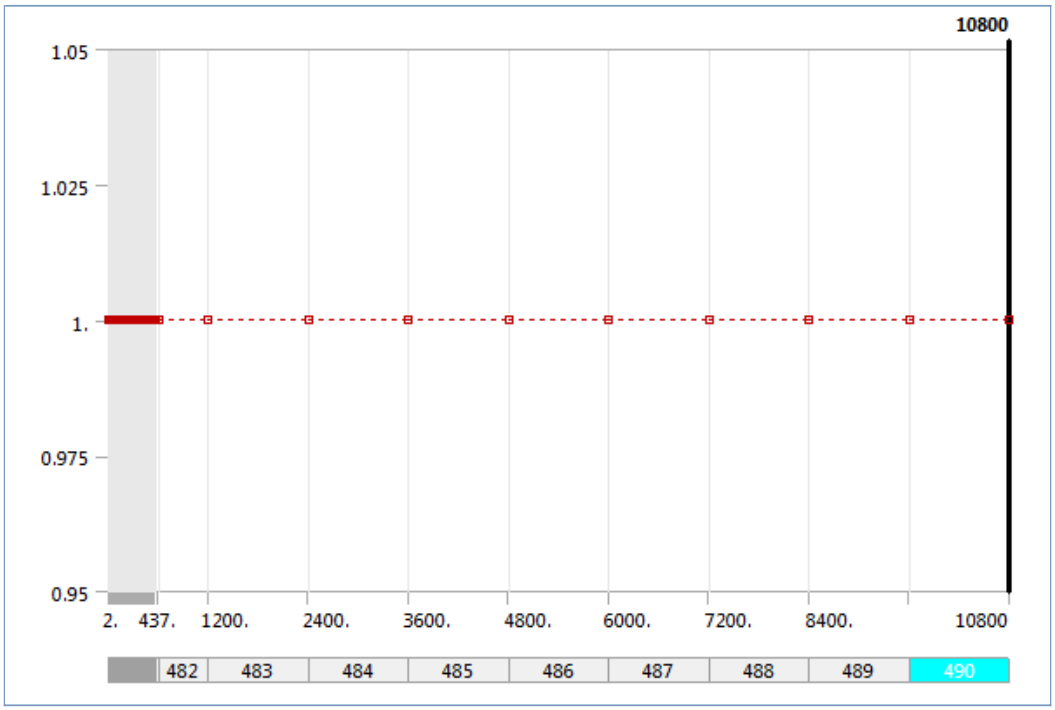


FIGURE 6
Model (Q4) > Transient Thermal (Q5) > Radiation 6

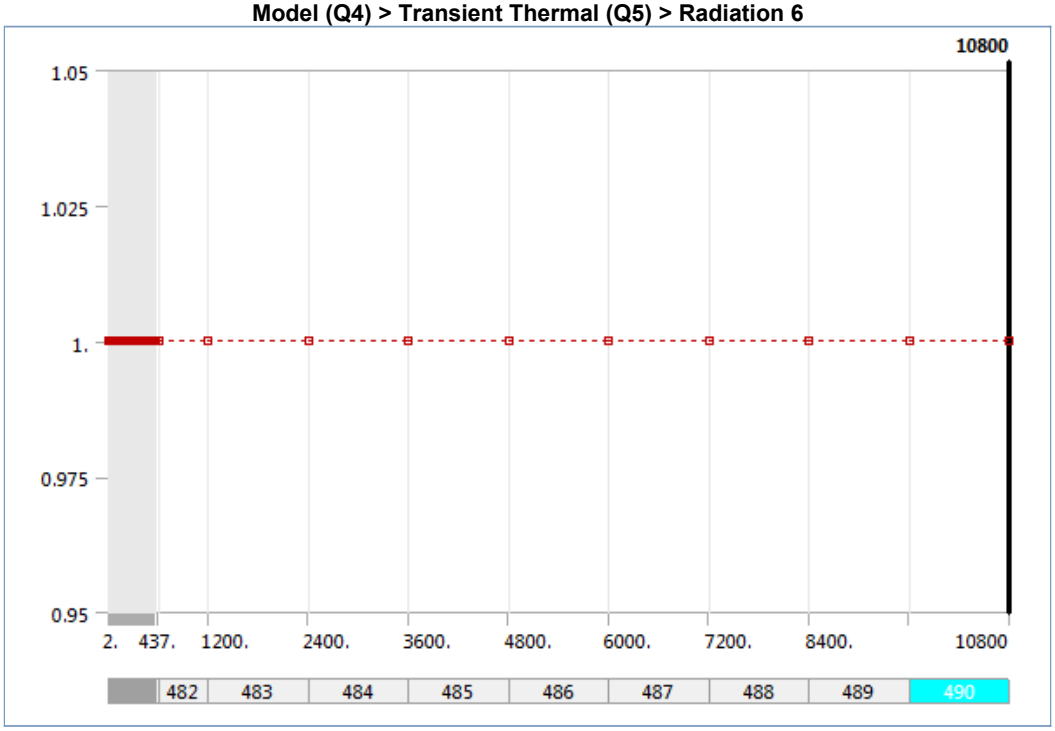


FIGURE 7
Model (Q4) > Transient Thermal (Q5) > Radiation 7

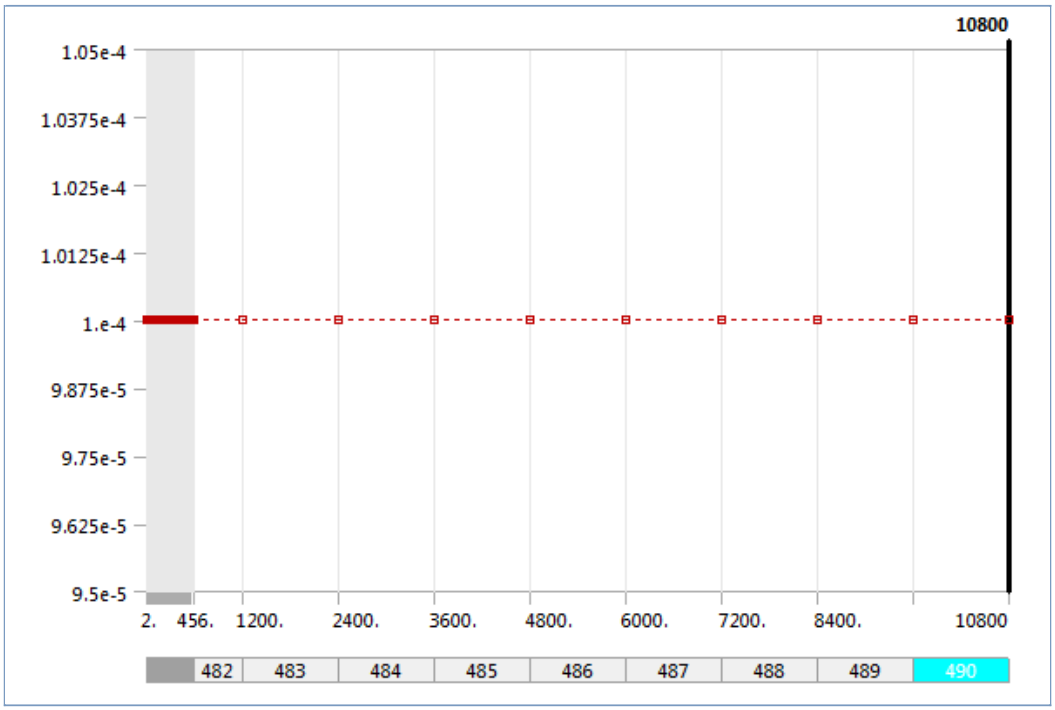


FIGURE 8
Model (Q4) > Transient Thermal (Q5) > Convection

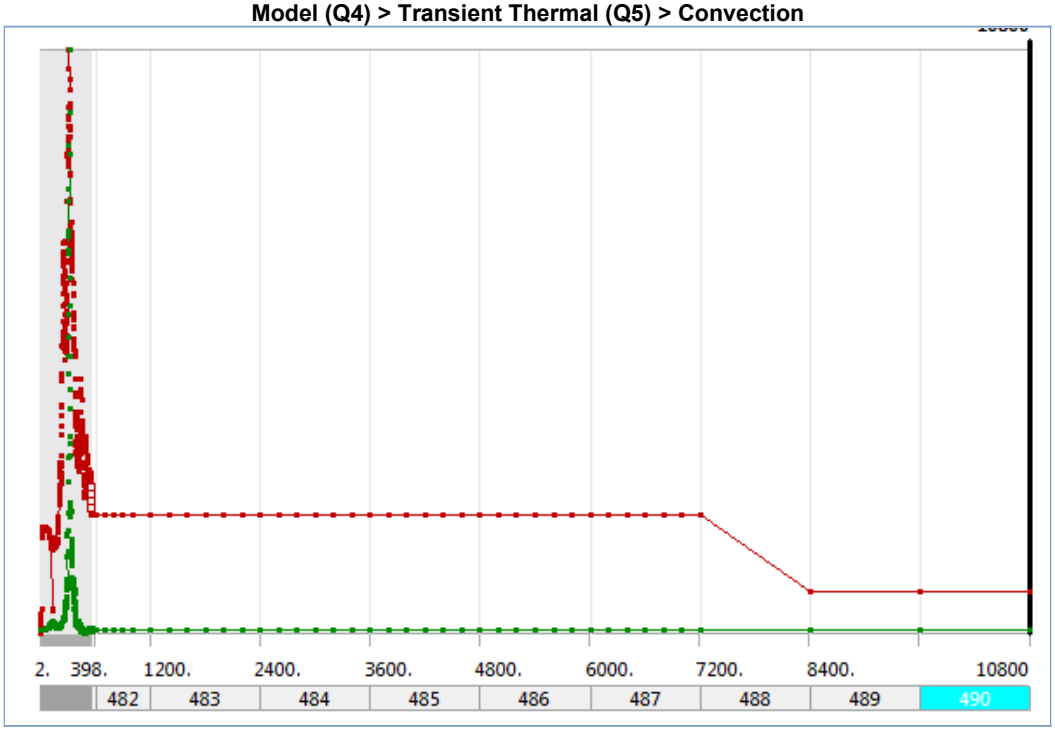


TABLE 18
Model (Q4) > Transient Thermal (Q5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	
3	6.	0.92	
4	8.	1.12	16.87
5	10.	1.29	16.89
6	12.	4.14	

7	14.	4.26	16.88
8	16.	4.38	17.33
9	18.	4.44	17.
10	20.	4.49	17.12
11	22.	4.51	17.61
12	24.	4.53	17.05
13	26.		16.97
14	28.		16.98
15	30.	4.54	17.06
16	32.	4.53	17.05
17	34.		17.07
18	36.		17.1
19	38.		17.13
20	40.		17.61
21	42.	4.52	17.17
22	44.		17.18
23	46.	4.51	17.19
24	48.		17.22
25	50.	4.49	17.29
26	52.	4.48	17.33
27	54.	4.47	17.41
28	56.		17.49
29	58.	4.46	17.54
30	60.		17.58
31	62.		17.6
32	64.		17.64
33	66.	4.45	17.68
34	68.		
35	70.	4.44	17.65
36	72.		17.66
37	74.		17.68
38	76.	4.42	17.69
39	78.	4.41	17.72
40	80.	4.4	17.75
41	82.	4.39	
42	84.	4.38	17.77
43	86.	4.36	17.79
44	88.	4.34	17.82
45	90.	4.31	17.87
46	92.	4.27	17.98
47	94.	4.23	18.14
48	96.	4.21	18.3
49	98.	4.19	18.48
50	100.	4.18	18.76
51	102.	4.15	19.15
52	104.	4.1	19.88
53	106.	4.07	20.65
54	108.		21.01
55	110.	4.03	20.57
56	112.	3.95	19.99
57	114.	3.91	19.77
58	116.	3.86	19.67
59	118.	3.82	20.22
60	120.	3.78	19.91
61	122.	3.68	19.93
62	124.	1.3	20.22
63	126.		20.01
64	128.		20.24
65	130.	1.27	21.18
66	132.	1.28	21.06

67	134.		20.67
68	136.	1.3	20.44
69	138.	1.29	21.67
70	140.	1.3	21.29
71	142.	3.65	20.97
72	144.	3.67	20.54
73	146.	3.71	20.15
74	148.	3.68	19.78
75	150.	3.84	19.37
76	151.	3.87	19.13
	152.	3.9	18.7
77	153.	3.89	18.71
	154.	3.85	18.68
78	155.	3.9	18.72
	156.	3.93	18.68
79	157.		18.77
	158.	4.03	18.7
80	159.	4.09	18.64
	160.	4.07	18.72
81	161.	3.96	18.83
82	162.	3.77	18.84
83	163.	3.79	18.79
84	164.		18.74
85	165.	3.77	18.68
86	166.	3.8	18.64
87	167.		18.56
88	168.	3.83	18.45
89	169.	3.87	18.25
90	170.	3.92	18.22
91	171.	3.95	18.19
92	172.		18.18
93	173.	3.96	18.15
94	174.	4.	18.14
95	175.	3.97	18.12
96	176.	4.04	18.09
97	177.	4.01	18.06
98	178.	3.97	18.03
99	179.	3.95	17.98
100	180.	3.94	17.91
101	181.	3.92	17.93
102	182.	4.06	18.18
103	183.	4.46	18.38
104	184.	4.86	18.83
105	185.	4.96	19.
106	186.	4.83	18.94
107	187.	4.76	18.84
108	188.	4.71	18.8
109	189.	4.69	18.7
110	190.	4.55	18.64
111	191.	4.53	18.53
112	192.	4.41	18.44
113	193.	4.42	18.36
114	194.	4.34	18.29
115	195.	4.36	18.21
116	196.	4.37	18.16
117	197.	4.42	18.11
118	198.	4.55	18.1
119	199.	4.9	18.08
120	200.	5.4	18.05
121	201.	5.59	18.12

122	202.	5.53	18.21
123	203.	5.58	18.45
124	204.	5.98	18.49
125	205.	6.17	18.43
126	206.	6.51	18.41
127	207.	6.64	18.39
128	208.	6.75	18.36
129	209.	6.87	18.3
130	210.	6.92	18.25
131	211.	7.02	18.21
132	212.	6.99	18.15
133	213.	6.83	18.1
134	214.	6.49	18.05
135	215.	6.12	18.19
136	216.	5.88	18.29
137	217.	5.8	18.5
138	218.	6.03	20.02
139	219.	6.35	20.8
140	220.	6.25	20.88
141	221.	6.31	20.24
142	222.	6.52	19.5
143	223.	6.64	19.76
144	224.	6.9	20.01
145	225.	7.04	19.76
146	226.	7.3	19.14
147	227.	8.14	18.97
148	228.	8.47	19.31
149	229.	9.29	18.85
150	230.	10.24	18.81
151	231.	10.5	18.8
152	232.	10.54	18.77
153	233.	10.48	19.08
154	234.	10.28	18.86
155	235.	9.26	19.17
156	236.	8.87	18.62
157	237.	11.61	20.22
158	238.	12.	21.98
159	239.	11.82	23.68
160	240.	11.59	23.28
161	241.	11.65	23.37
162	242.	13.21	23.01
163	243.	13.7	22.66
164	244.	13.17	22.57
165	245.	12.56	21.67
166	246.	12.19	21.6
167	247.	15.14	21.4
168	248.	15.08	22.48
169	249.	14.77	22.61
170	250.	14.11	22.32
171	251.	14.35	21.7
172	252.	13.68	21.82
173	253.	14.32	22.34
174	254.	15.69	21.99
175	255.	15.32	22.2
176	256.	14.94	22.95
177	257.	14.44	24.65
178	258.	13.9	24.1
179	259.	14.54	25.07
180	260.	13.78	24.82
181	261.	14.39	30.9
182			

	262.	15.22	31.32
183	263.	15.66	30.97
184	264.	15.74	29.72
185	265.	14.41	27.13
186	266.	13.74	26.5
187	267.	13.29	25.3
188	268.	12.85	22.85
189	269.	12.24	23.55
190	270.	11.39	25.23
191	271.	11.57	24.69
192	272.	11.09	23.52
193	273.	12.48	26.86
194	274.	11.63	26.74
195	275.	12.06	29.67
196	276.	11.61	29.45
197	277.	11.34	29.3
198	278.	12.51	38.32
199	279.	12.04	37.56
200	280.	13.6	33.65
201	281.	13.	42.74
202	282.	13.43	39.58
203	283.	13.	37.49
204	284.	12.81	37.97
205	285.	11.78	33.91
206	286.	11.46	31.4
207	287.	12.57	30.39
208	288.	14.98	33.12
209	289.	14.96	39.25
210	290.	14.06	42.88
211	291.	14.93	65.85
212	292.	17.33	66.58
213	293.	19.09	66.13
214	294.	19.13	54.97
215	295.	19.45	42.44
216	296.	20.26	41.81
217	297.	19.66	43.12
218	298.	19.26	57.34
219	299.	19.03	68.34
220	300.	19.32	77.37
221	301.	18.74	93.83
222	302.	19.56	106.49
223	303.	18.65	149.76
224	304.	19.3	158.23
225	305.	18.86	168.82
226	306.	20.64	221.21
227	307.	21.	211.45
228	308.	19.21	179.91
229	309.	19.86	245.03
230	310.	20.26	267.73
231	311.	20.53	223.74
232	312.	22.52	238.99
233	313.	23.25	213.39
234	314.	21.67	263.01
235	315.	21.02	317.32
236	316.	20.8	284.87
237	317.	21.14	185.17
238	318.	19.82	131.67
239	319.	20.08	141.44
240	320.	22.07	199.04
241	321.	20.23	159.07
242			

	322.	18.4	113.38
243	323.	17.26	117.53
244	324.	18.33	107.67
245	325.	17.38	80.67
246	326.	16.34	83.08
247	327.	15.57	78.55
248	328.	16.11	75.43
249	329.	17.21	77.87
250	330.	16.2	75.59
251	331.	15.49	81.43
252	332.	15.26	76.09
253	333.	15.81	78.34
254	334.	15.24	64.1
255	335.	14.84	54.29
256	336.	16.5	58.7
257	337.	16.1	63.57
258	338.	15.18	60.71
259	339.	15.98	55.99
260	340.	15.52	52.39
261	341.	15.36	44.38
262	342.	15.67	40.7
263	343.	15.84	41.04
264	344.	15.67	39.82
265	345.	14.96	39.93
266	346.	15.07	38.38
267	347.	14.6	39.25
268	348.	15.01	50.27
269	349.	14.76	38.38
270	350.	14.22	42.87
271	351.	14.21	41.9
272	352.	14.06	41.49
273	353.	14.09	27.79
274	354.	13.63	31.88
275	355.	13.66	37.32
276	356.	12.69	38.15
277	357.	12.94	35.31
278	358.	12.91	35.76
279	359.	12.87	34.95
280	360.	12.36	34.05
281	361.	12.29	38.85
282	362.	12.78	43.4
283	363.	12.64	39.86
284	364.	12.8	37.24
285	365.	14.07	39.09
286	366.	12.85	36.7
287	367.	11.93	34.47
288	368.	11.71	39.33
289	369.	11.64	37.61
290	370.	11.5	37.48
291	371.	11.39	38.23
292	372.	11.2	37.16
293	373.	11.42	36.2
294	374.	11.33	31.82
295	375.	10.34	31.85
296	376.	9.75	30.42
297	377.	9.74	29.18
298	378.	9.67	26.72
299	379.	9.04	26.98
300	380.	9.03	26.42
301	381.	8.82	24.74
302			

	382.	8.83	25.52
303	383.		26.33
304	384.	8.65	25.85
305	385.	8.46	25.06
306	386.	7.87	24.59
307	387.	7.76	23.89
308	388.	7.45	20.48
309	389.	7.36	19.94
310	390.	7.74	19.26
311	391.	8.78	19.55
312	392.	8.83	20.57
313	393.	8.52	20.
314	394.	8.39	19.78
315	395.	8.32	19.5
316	396.	7.78	19.27
317	397.	6.93	19.8
318	398.	7.06	19.73
319	399.	7.63	19.83
320	400.	7.99	20.17
321	401.	8.09	20.26
322	402.	7.77	19.73
323	403.	7.68	19.5
324	404.	7.74	19.29
325	405.	7.55	19.19
326	406.	7.24	19.1
327	407.	6.94	19.08
328	408.	7.33	19.51
329	409.	7.86	19.74
330	410.	7.33	20.16
331	411.	7.21	21.12
332	412.	7.53	21.41
333	413.	7.86	21.19
334	414.	7.51	20.79
335	415.	7.08	20.28
336	416.	6.91	20.11
337	417.	6.87	20.34
338	418.	6.73	20.23
339	419.	7.12	20.31
340	420.	7.32	20.43
341	421.	7.41	20.35
342	422.	7.3	19.88
343	423.	7.24	19.41
344	424.	7.21	19.05
345	425.	7.	18.82
346	426.	7.28	18.67
347	427.	7.77	18.43
348	428.	7.86	18.19
349	429.	7.68	17.93
350	430.	7.65	17.95
351	431.	8.2	17.69
352	432.	8.1	17.3
353	433.	8.	16.82
354	434.	7.59	16.57
355	435.	7.36	17.
356	436.	7.43	17.87
357	437.	7.55	18.05
358	438.	8.31	19.15
359	439.	8.45	19.8
360	440.	8.39	19.64
361	441.	9.05	19.46

362	442.	9.95	19.34
363	443.	10.36	19.21
364	444.	9.89	18.72
365	445.	9.7	18.47
366	446.	9.65	18.86
367	447.	9.52	18.44
368	448.	8.66	17.31
369	449.	8.49	17.73
370	450.	8.3	17.12
371	451.	8.66	16.65
372	452.	8.5	17.01
373	453.	8.58	17.71
374	454.	8.3	17.73
375	455.	8.23	17.39
376	456.	8.31	17.16
377	457.	8.14	17.32
378	458.	8.	17.16
379	459.	7.97	16.91
380	460.	8.02	16.87
381	461.	7.95	17.1
382	462.	8.01	16.91
383	463.	8.04	16.48
384	464.	7.87	16.63
385	465.	7.75	
386	466.	7.71	16.83
387	467.	7.51	16.54
388	468.	7.44	16.16
389	469.	7.58	16.08
390	470.	7.05	16.19
391	471.	6.96	16.37
392	472.	6.86	16.28
393	473.	6.54	16.35
394	474.	6.14	16.29
395	475.	5.68	16.21
396	476.	5.77	16.05
397	477.	5.71	15.78
398	478.	6.58	15.66
399	479.	6.51	15.76
400	480.	6.5	15.75
401	481.	6.41	15.72
402	482.	6.26	15.69
403	483.	5.86	15.66
404	484.	5.7	15.64
405	485.	5.93	15.58
406	486.	5.98	15.47
407	487.	6.28	15.36
408	488.	6.37	15.63
409	489.	6.84	16.13
410	490.	7.54	16.23
411	491.	7.73	16.24
412	492.	7.88	16.21
413	493.	7.98	16.16
414	494.	8.01	16.25
415	495.	8.05	16.06
416	496.		15.84
417	497.	8.04	15.75
418	498.	8.02	16.18
419	499.	8.03	16.29
420	500.	7.92	16.25
421	501.	7.88	

422	502.	7.61	16.21
423	503.	7.49	16.1
424	504.	7.35	16.06
425	505.	7.23	16.24
426	506.		16.19
427	507.	7.13	
428	508.		16.18
429	509.	7.04	16.15
430	510.	6.72	16.12
431	511.	7.07	16.
432	512.	7.19	16.03
433	513.	7.02	15.99
434	514.	6.75	15.98
435	515.	6.48	15.96
436	516.	6.62	15.97
437	517.	6.73	
438	518.	6.68	16.26
439	519.	6.66	16.66
440	520.	6.68	16.47
441	521.	6.63	16.35
442	522.	6.61	16.41
443	523.	6.58	16.51
444	524.	6.64	16.32
445	525.	6.72	16.1
446	526.	6.68	16.2
447	527.	6.67	16.19
448	528.	6.69	
449	529.	6.68	16.24
450	530.		16.35
451	531.	6.75	16.44
452	532.	6.74	16.62
453	533.	6.79	16.8
454	534.	6.73	16.88
455	535.	6.66	17.03
456	536.	6.65	17.05
457	537.	6.74	17.17
458	538.	6.78	17.29
459	539.	6.72	17.32
460	540.	6.78	17.28
461	541.	6.68	17.14
462	542.	6.64	17.24
463	543.	6.55	17.32
464	544.	6.46	17.36
465	545.	6.31	17.37
466	546.	6.27	17.24
467	547.	6.35	16.67
468	548.	6.33	17.07
469	549.	6.34	17.42
470	550.	6.43	17.46
471	551.	6.49	17.4
472	552.	6.54	17.48
473	553.	6.38	17.53
474	554.	6.35	17.39
475	555.	6.37	17.37
476	556.	= 6.096	= 17.266
477	557.	= 5.822	= 17.162
478	558.	= 5.548	= 17.058
479	559.	= 5.274	= 16.954
480	560.		
	565.		

481	570.	5.	16.85
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
482	700.		
	800.		
	900.		
	1000.		
	1200.		
483	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.		
484	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
485	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
486	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
487	6200.		
	6400.		
	6600.		
	6800.		
	7000.		
	7200.		
488	8400.	2.	
489	9600.		
490	10800		

FIGURE 9
Model (Q4) > Transient Thermal (Q5) > Heat Flux

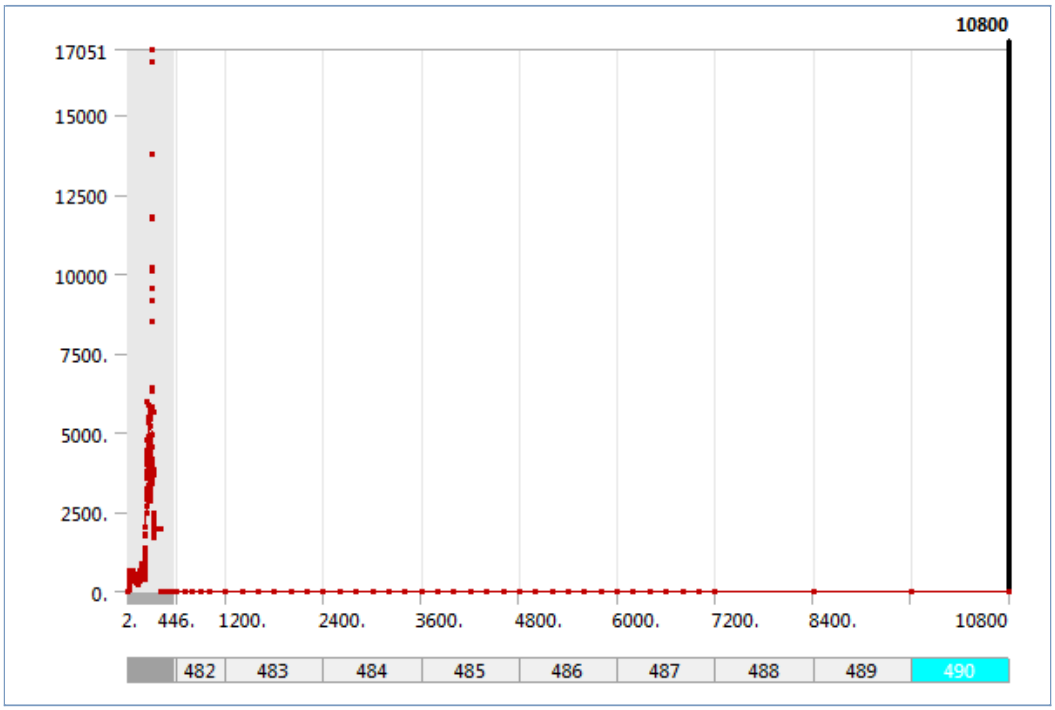


TABLE 19
Model (Q4) > Transient Thermal (Q5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	0.3
5	10.	
6	12.	35.
7	14.	167.4
8	16.	583.6
9	18.	519.
10	20.	633.2
11	22.	452.1
12	24.	465.5
13	26.	350.1
14	28.	520.8
15	30.	411.
16	32.	418.6
17	34.	319.8
18	36.	354.7
19	38.	367.9
20	40.	336.3
21	42.	477.5
22	44.	445.4
23	46.	375.7
24	48.	365.6
25	50.	454.7
26	52.	464.8
27	54.	377.2
28	56.	356.8
29	58.	439.5
30	60.	442.7
31	62.	385.7
32	64.	465.7

33	66.	638.1
34	68.	479.1
35	70.	551.
36	72.	484.6
37	74.	568.3
38	76.	560.2
39	78.	449.8
40	80.	493.3
41	82.	447.9
42	84.	356.8
43	86.	359.
44	88.	415.3
45	90.	348.8
46	92.	325.3
47	94.	394.3
48	96.	357.6
49	98.	356.2
50	100.	335.4
51	102.	325.2
52	104.	315.9
53	106.	321.3
54	108.	358.
55	110.	429.9
56	112.	428.9
57	114.	305.8
58	116.	292.2
59	118.	376.2
60	120.	380.8
61	122.	367.6
62	124.	310.
63	126.	316.9
64	128.	479.4
65	130.	344.7
66	132.	334.3
67	134.	228.5
68	136.	375.4
69	138.	498.2
70	140.	341.6
71	142.	521.4
72	144.	405.
73	146.	470.8
74	148.	437.8
75	150.	454.4
76	151.	484.3
	152.	653.7
77	153.	525.3
	154.	377.2
78	155.	570.8
	156.	683.6
79	157.	539.9
	158.	521.8
80	159.	526.
	160.	597.7
81	161.	755.5
82	162.	511.2
83	163.	514.6
84	164.	547.2
85	165.	775.7
86	166.	779.7
87	167.	553.1

88	168.	554.7
89	169.	409.4
90	170.	835.
91	171.	883.
92	172.	596.1
93	173.	664.6
94	174.	640.7
95	175.	724.2
96	176.	636.3
97	177.	867.
98	178.	650.5
99	179.	816.3
100	180.	426.2
101	181.	521.7
102	182.	614.7
103	183.	606.6
104	184.	776.2
105	185.	552.7
106	186.	619.4
107	187.	385.7
108	188.	406.5
109	189.	389.
110	190.	582.4
111	191.	617.8
112	192.	430.4
113	193.	413.9
114	194.	414.7
115	195.	704.4
116	196.	432.8
117	197.	409.
118	198.	529.
119	199.	469.9
120	200.	556.
121	201.	584.9
122	202.	366.
123	203.	577.8
124	204.	430.2
125	205.	406.7
126	206.	609.5
127	207.	616.6
128	208.	616.
129	209.	613.6
130	210.	768.9
131	211.	1338.9
132	212.	803.8
133	213.	564.5
134	214.	1782.
135	215.	1176.7
136	216.	970.5
137	217.	1346.9
138	218.	1009.7
139	219.	893.2
140	220.	1243.
141	221.	932.3
142	222.	1293.6
143	223.	1754.3
144	224.	2013.6
145	225.	2926.9
146	226.	2685.8
147	227.	3211.4
148		

	228.	3997.6
149	229.	3661.9
150	230.	4791.6
151	231.	4420.5
152	232.	4200.
153	233.	3656.6
154	234.	2978.5
155	235.	2489.4
156	236.	3128.1
157	237.	3700.3
158	238.	3558.6
159	239.	3800.5
160	240.	4374.5
161	241.	4422.7
162	242.	4060.7
163	243.	5996.2
164	244.	4072.2
165	245.	4373.
166	246.	5477.5
167	247.	4522.1
168	248.	5887.5
169	249.	4088.6
170	250.	3933.2
171	251.	3888.6
172	252.	4213.9
173	253.	3233.1
174	254.	3873.2
175	255.	3837.7
176	256.	4022.4
177	257.	5325.4
178	258.	4869.2
179	259.	4668.4
180	260.	5418.3
181	261.	3897.3
182	262.	4408.
183	263.	4476.1
184	264.	4180.2
185	265.	4637.1
186	266.	3333.4
187	267.	4457.9
188	268.	4351.3
189	269.	4782.3
190	270.	5216.6
191	271.	5617.5
192	272.	5451.6
193	273.	5227.1
194	274.	3790.2
195	275.	3516.4
196	276.	3190.1
197	277.	3038.
198	278.	2848.9
199	279.	2967.9
200	280.	3108.8
201	281.	3348.4
202	282.	3634.9
203	283.	3992.1
204	284.	4124.4
205	285.	4664.6
206	286.	4764.2
207	287.	5760.6
208		

	288.	5191.
209	289.	4914.8
210	290.	4568.6
211	291.	4015.2
212	292.	3486.2
213	293.	4078.8
214	294.	4167.7
215	295.	5790.7
216	296.	13771
217	297.	9538.6
218	298.	6280.1
219	299.	10177
220	300.	10107
221	301.	9178.7
222	302.	6423.9
223	303.	11799
224	304.	17051
225	305.	16640
226	306.	11740
227	307.	8524.4
228	308.	5654.2
229	309.	3411.3
230	310.	3690.7
231	311.	2257.4
232	312.	1721.5
233	313.	2138.2
234	314.	1950.5
235	315.	1903.7
236	316.	2021.4
237	317.	5621.8
238	318.	3847.8
239	319.	1880.1
240	320.	2300.
241	321.	2441.8
242	322.	
243	323.	
244	324.	
245	325.	
246	326.	
247	327.	
248	328.	
249	329.	
250	330.	
251	331.	
252	332.	
253	333.	
254	334.	
255	335.	
256	336.	
257	337.	
258	338.	
259	339.	
260	340.	
261	341.	
262	342.	
263	343.	
264	344.	
265	345.	
266	346.	
267	347.	
268		

	348.	
269	349.	
270	350.	
271	351.	
272	352.	
273	353.	
274	354.	
275	355.	
276	356.	
277	357.	
278	358.	
279	359.	
280	360.	
281	361.	
282	362.	
283	363.	
284	364.	
285	365.	
286	366.	
287	367.	
288	368.	
289	369.	
290	370.	
291	371.	
292	372.	
293	373.	
294	374.	
295	375.	
296	376.	
297	377.	
298	378.	2000.
299	379.	
300	380.	
301	381.	
302	382.	
303	383.	
304	384.	
305	385.	
306	386.	
307	387.	
308	388.	
309	389.	
310	390.	
311	391.	
312	392.	
313	393.	
314	394.	
315	395.	
316	396.	
317	397.	
318	398.	
319	399.	
320	400.	
321	401.	
322	402.	
323	403.	
324	404.	
325	405.	
326	406.	
327	407.	
328		

	408.	
329	409.	
330	410.	
331	411.	
332	412.	
333	413.	
334	414.	
335	415.	
336	416.	
337	417.	
338	418.	
339	419.	
340	420.	
341	421.	
342	422.	
343	423.	
344	424.	
345	425.	
346	426.	
347	427.	
348	428.	
349	429.	
350	430.	
351	431.	
352	432.	
353	433.	
354	434.	
355	435.	
356	436.	
357	437.	
358	438.	
359	439.	
360	440.	
361	441.	
362	442.	
363	443.	
364	444.	
365	445.	
366	446.	
367	447.	
368	448.	
369	449.	
370	450.	
371	451.	
372	452.	
373	453.	
374	454.	
375	455.	
376	456.	
377	457.	
378	458.	
379	459.	
380	460.	
381	461.	
382	462.	
383	463.	
384	464.	
385	465.	
386	466.	
387	467.	
388		

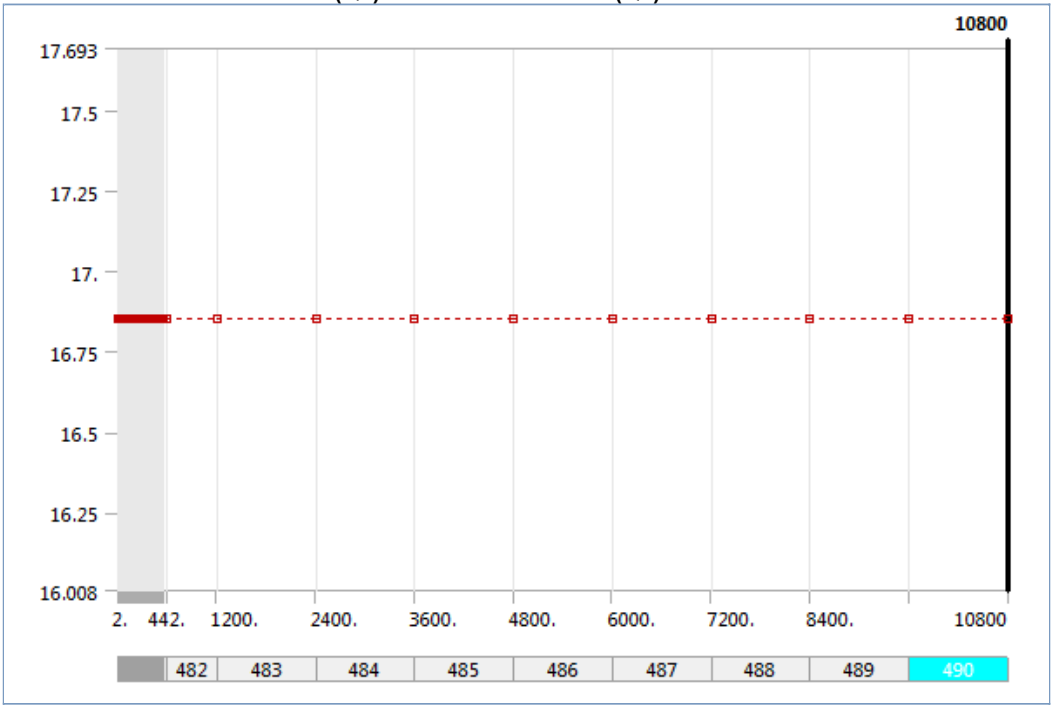
	468.
389	469.
390	470.
391	471.
392	472.
393	473.
394	474.
395	475.
396	476.
397	477.
398	478.
399	479.
400	480.
401	481.
402	482.
403	483.
404	484.
405	485.
406	486.
407	487.
408	488.
409	489.
410	490.
411	491.
412	492.
413	493.
414	494.
415	495.
416	496.
417	497.
418	498.
419	499.
420	500.
421	501.
422	502.
423	503.
424	504.
425	505.
426	506.
427	507.
428	508.
429	509.
430	510.
431	511.
432	512.
433	513.
434	514.
435	515.
436	516.
437	517.
438	518.
439	519.
440	520.
441	521.
442	522.
443	523.
444	524.
445	525.
446	526.
447	527.
448	

	528.
449	529.
450	530.
451	531.
452	532.
453	533.
454	534.
455	535.
456	536.
457	537.
458	538.
459	539.
460	540.
461	541.
462	542.
463	543.
464	544.
465	545.
466	546.
467	547.
468	548.
469	549.
470	550.
471	551.
472	552.
473	553.
474	554.
475	555.
476	556.
477	557.
478	558.
479	559.
480	560.
481	565.
	570.
	575.
	580.
	585.
	590.
	595.
	600.
482	700.
	800.
	900.
	1000.
	1200.
483	1400.
	1600.
	1800.
	2000.
	2200.
	2400.
484	2600.
	2800.
	3000.
	3200.
	3400.
	3600.
	3800.
	4000.

485	4200.
	4400.
	4600.
	4800.
486	5000.
	5200.
	5400.
	5600.
	5800.
	6000.
487	6200.
	6400.
	6600.
	6800.
	7000.
	7200.
488	8400.
489	9600.
490	10800

		0.

FIGURE 10
Model (Q4) > Transient Thermal (Q5) > Radiation



Solution (Q6)

TABLE 20
Model (Q4) > Transient Thermal (Q5) > Solution

Object Name	*Solution (Q6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	31 m 2 s
MAPDL Memory Used	2.5566 GB
MAPDL Result File Size	8.8038 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 21
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single

Display Type	Lines

TABLE 22
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	23.937 °C	16.85 °C
Maximum	72.055 °C	16.85 °C

FIGURE 11
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Solution Information > Temperature - Global Maximum

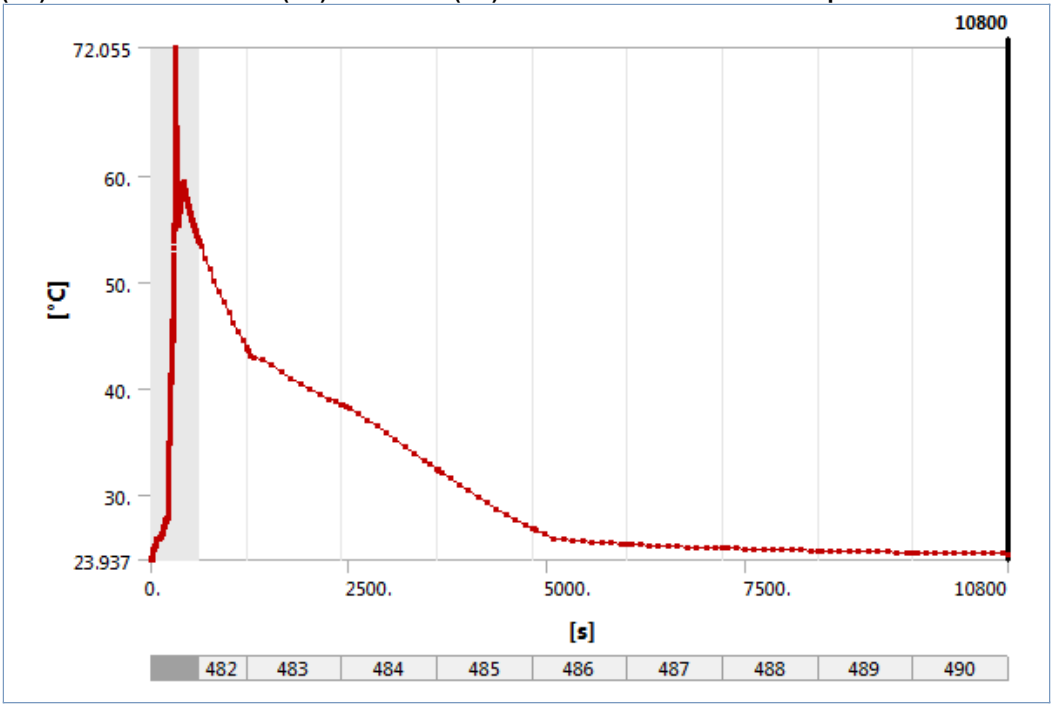


FIGURE 12
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Solution Information > Temperature - Global Minimum

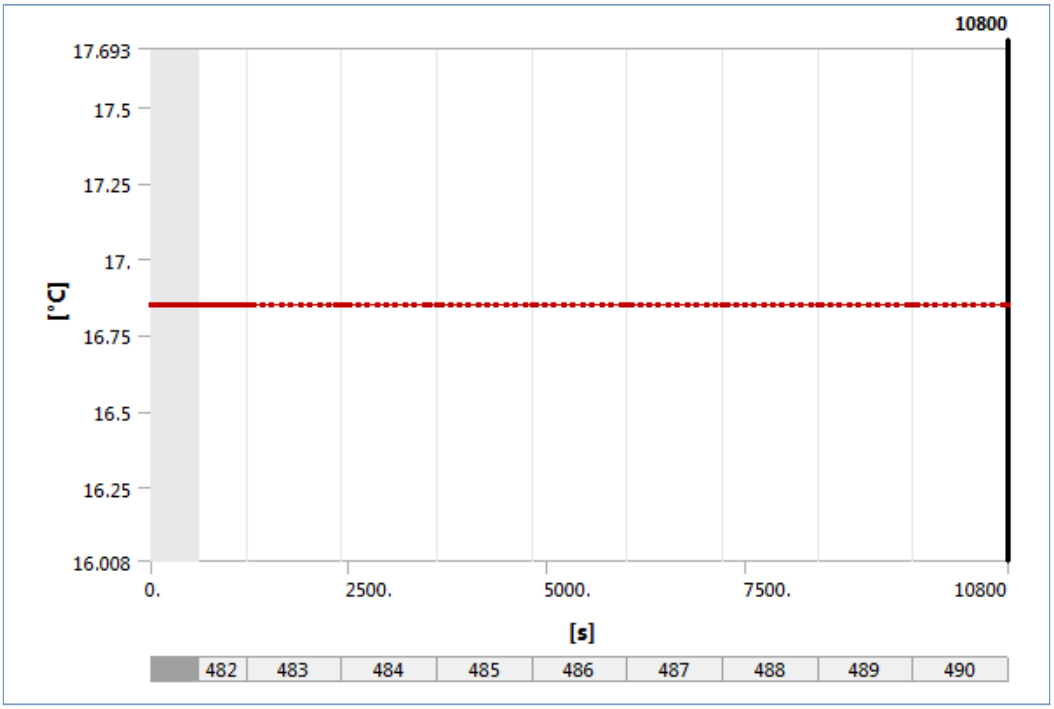


TABLE 23
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Results

Object Name	*Overall T*	*Drum Content T*	*Permacon T*	*Drum T*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	4 Faces	6 Faces
Definition				
Type	Temperature			
By	Time			
Display Time	Last			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	17.282 °C	21.283 °C	17.282 °C	17.528 °C
Maximum	24.504 °C		22.178 °C	23.579 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	17.282 °C	21.283 °C	17.282 °C	17.528 °C
Maximum	22.25 °C	23.894 °C	23.591 °C	25.587 °C
Maximum Value Over Time				
Minimum	23.937 °C	23.89 °C	22.17 °C	23.579 °C
Maximum	72.055 °C	32.228 °C	72.055 °C	43.056 °C
Information				
Time	10800 s			
Load Step	490			
Substep	13			
Iteration Number	6458			

FIGURE 13
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Overall T

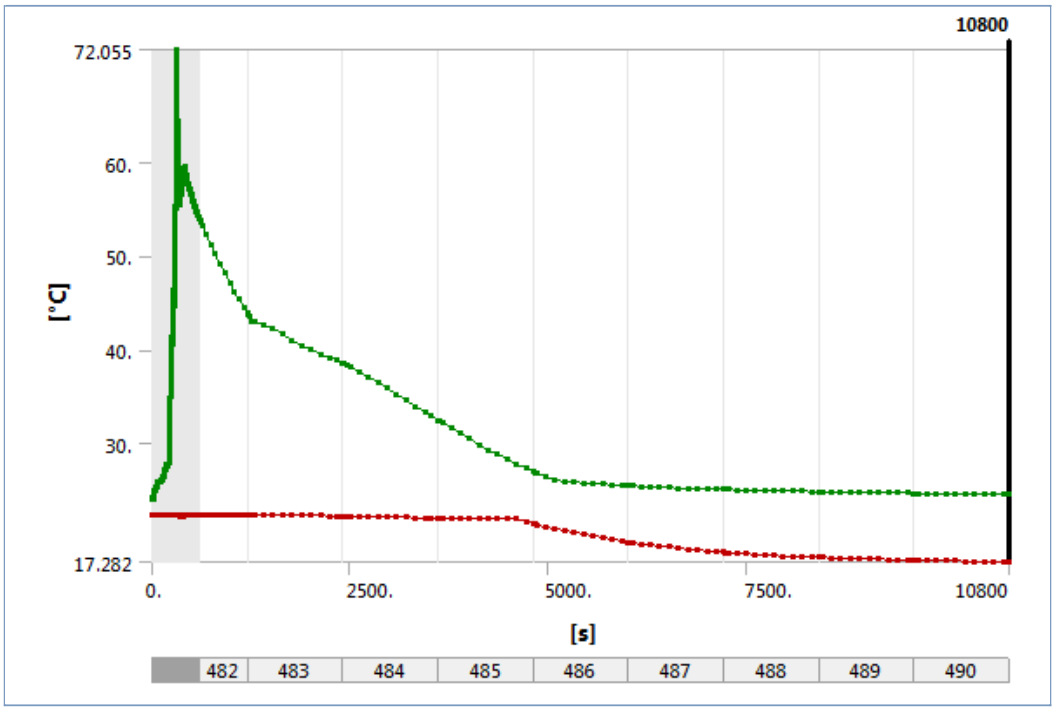


TABLE 24
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		24.129
4.e-002		
0.1		24.126
0.28		24.12
0.48		24.113
0.68		24.106
0.88		24.099
1.08		24.092
1.28		24.085
1.48		24.079
1.68		24.072
1.88		24.065
2.		24.061
2.02		24.06
2.04		
2.1		24.058
2.28		24.052
2.48		24.045
2.68		24.039
2.88		24.033
3.08		24.026
3.28		24.02
3.48		24.014
3.68		24.008
3.88		24.002
4.		23.999
4.02		23.998
4.04		
4.1		23.996
4.28		23.991
4.48		23.985
4.68		23.979
4.88		23.974

5.08	23.968
5.28	23.963
5.48	23.958
5.68	23.954
5.88	
6.	
6.02	
6.04	
6.1	
6.28	
6.48	23.953
6.68	
6.88	
7.08	
7.28	
7.48	23.952
7.68	
7.88	
8.	
8.02	
8.04	
8.1	23.951
8.28	
8.48	
8.68	23.95
8.88	
9.08	
9.28	23.949
9.48	
9.68	23.948
9.88	
10.	
10.02	
10.04	
10.1	
10.28	23.947
10.48	
10.68	23.946
10.88	
11.08	23.945
11.28	
11.48	23.944
11.68	
11.88	23.943
12.	
12.02	
12.04	
12.1	23.942
12.28	
12.48	23.941
12.68	
12.88	23.94
13.08	
13.28	23.939
13.48	
13.68	23.938
13.88	
14.	
14.02	
14.04	

14.1	23.937
14.28	
14.48	23.949
14.68	23.979
14.88	24.011
15.08	24.046
15.28	24.083
15.48	24.123
15.68	24.167
15.88	24.214
16.	24.243
16.02	24.247
16.04	24.251
16.1	24.263
16.28	24.293
16.48	24.322
16.68	24.347
16.88	24.37
17.08	24.391
17.28	24.41
17.48	24.427
17.68	24.443
17.88	24.458
18.	24.466
18.02	24.468
18.04	24.469
18.1	24.475
18.28	24.492
18.48	24.512
18.68	24.533
18.88	24.555
19.08	24.578
19.28	24.601
19.48	24.625
19.68	24.649
19.88	24.673
20.	24.688
20.02	24.69
20.04	24.692
20.1	24.698
20.28	24.711
20.48	24.722
20.68	24.73
20.88	24.736
21.08	24.741
21.28	24.743
21.48	24.744
21.68	24.743
21.88	24.741
22.	24.74
22.02	24.739
22.04	
22.1	
22.28	24.741
22.48	24.745
22.68	24.749
22.88	24.754
23.08	24.76
23.28	24.766
23.48	24.772

23.68	24.778
23.88	24.784
24.	24.788
24.02	24.789
24.04	
24.1	24.791
24.28	24.793
24.48	
24.68	
24.88	24.792
25.08	24.789
25.28	24.786
25.48	24.782
25.68	24.777
25.88	24.772
26.	24.769
26.02	24.768
26.04	
26.1	
26.28	24.772
26.48	24.778
26.68	24.788
26.88	24.799
27.08	24.812
27.28	24.826
27.48	24.842
27.68	24.858
27.88	24.876
28.	24.887
28.02	24.889
28.04	24.891
28.1	24.895
28.28	24.904
28.48	24.911
28.68	24.916
28.88	24.92
29.08	24.922
29.28	24.924
29.48	
29.68	24.923
29.88	24.921
30.	24.92
30.02	
30.04	
30.1	
30.28	24.921
30.48	24.922
30.68	24.925
30.88	24.927
31.08	24.93
31.28	24.934
31.48	24.937
31.68	24.941
31.88	24.944
32.	24.947
32.02	
32.04	
32.1	24.948
32.28	
32.48	24.947

32.68	24.945
32.88	24.942
33.08	24.938
33.28	24.934
33.48	24.929
33.68	24.923
33.88	24.917
34.	24.913
34.02	
34.04	24.912
34.1	24.911
34.28	24.909
34.48	24.908
34.68	
34.88	24.909
35.08	24.91
35.28	24.912
35.48	24.914
35.68	24.916
35.88	24.919
36.	24.921
36.02	
36.04	
36.1	24.922
36.28	24.925
36.48	24.928
36.68	24.931
36.88	24.934
37.08	24.937
37.28	24.94
37.48	24.943
37.68	24.946
37.88	24.95
38.	24.952
38.02	
38.04	
38.1	24.953
38.28	24.955
38.48	24.956
38.68	24.957
38.88	24.958
39.08	24.959
39.28	
39.48	
39.68	
39.88	
40.	
40.02	
40.04	
40.1	24.96
40.28	24.965
40.48	24.972
40.68	24.981
40.88	24.992
41.08	25.003
41.28	25.016
41.48	25.029
41.68	25.044
41.88	25.059
42.	25.068

42.02	25.07
42.04	25.071
42.1	25.075
42.28	25.084
42.48	25.093
42.68	25.101
42.88	25.108
43.08	25.115
43.28	25.12
43.48	25.126
43.68	25.13
43.88	25.135
44.	25.137
44.02	25.138
44.04	
44.1	25.139
44.28	25.141
44.48	25.142
44.68	25.143
44.88	
45.08	
45.28	25.142
45.48	25.141
45.68	25.139
45.88	25.137
46.	25.136
46.02	25.135
46.04	
46.1	
46.28	25.134
46.48	
46.68	
46.88	
47.08	
47.28	
47.48	
47.68	25.135
47.88	
48.	25.136
48.02	
48.04	
48.1	25.137
48.28	25.14
48.48	25.146
48.68	25.152
48.88	25.159
49.08	25.167
49.28	25.176
49.48	25.185
49.68	25.195
49.88	25.206
50.	25.212
50.02	25.213
50.04	25.214
50.1	25.217
50.28	25.225
50.48	25.233
50.68	25.24
50.88	25.248
51.08	25.255

51.28	25.262
51.48	25.269
51.68	25.276
51.88	25.282
52.	25.286
52.02	25.287
52.04	25.288
52.1	25.289
52.28	25.292
52.48	25.293
52.68	25.294
52.88	
53.08	25.293
53.28	25.291
53.48	25.289
53.68	25.286
53.88	25.283
54.	25.281
54.02	25.28
54.04	
54.1	25.279
54.28	25.277
54.48	25.276
54.68	25.274
54.88	25.273
55.08	
55.28	25.272
55.48	
55.68	25.271
55.88	25.27
56.	
56.02	
56.04	
56.1	25.271
56.28	25.273
56.48	25.277
56.68	25.282
56.88	25.288
57.08	25.294
57.28	25.301
57.48	25.308
57.68	25.316
57.88	25.325
58.	25.33
58.02	25.331
58.04	25.332
58.1	25.334
58.28	25.34
58.48	25.347
58.68	25.353
58.88	25.359
59.08	25.365
59.28	25.37
59.48	25.376
59.68	25.381
59.88	25.386
60.	25.389
60.02	25.39
60.04	
60.1	25.391

60.28	25.394
60.48	25.396
60.68	25.397
60.88	25.398
61.08	
61.28	
61.48	25.397
61.68	25.396
61.88	25.395
62.	25.394
62.02	
62.04	
62.1	25.395
62.28	25.397
62.48	25.402
62.68	25.407
62.88	25.413
63.08	25.42
63.28	25.427
63.48	25.436
63.68	25.445
63.88	25.454
64.	25.46
64.02	25.461
64.04	25.462
64.1	25.465
64.28	25.478
64.48	25.493
64.68	25.51
64.88	25.528
65.08	25.546
65.28	25.566
65.48	25.587
65.68	25.609
65.88	25.631
66.	25.645
66.02	25.647
66.04	25.649
66.1	25.654
66.28	25.665
66.48	25.673
66.68	25.679
66.88	25.683
67.08	25.685
67.28	
67.48	25.683
67.68	25.681
67.88	25.677
68.	25.674
68.02	
68.04	25.673
68.1	
68.28	25.675
68.48	25.679
68.68	25.685
68.88	25.691
69.08	25.699
69.28	25.707
69.48	25.715
69.68	25.725

69.88	25.735
70.	25.741
70.02	25.742
70.04	25.743
70.1	25.745
70.28	25.75
70.48	25.755
70.68	25.758
70.88	25.761
71.08	25.763
71.28	25.764
71.48	25.765
71.68	
71.88	
72.	
72.02	
72.04	
72.1	25.766
72.28	25.77
72.48	25.776
72.68	25.783
72.88	25.791
73.08	25.799
73.28	25.809
73.48	25.819
73.68	25.83
73.88	25.841
74.	25.848
74.02	25.849
74.04	25.85
74.1	25.853
74.28	25.861
74.48	25.869
74.68	25.877
74.88	25.884
75.08	25.891
75.28	25.897
75.48	25.904
75.68	25.91
75.88	25.916
76.	25.92
76.02	
76.04	25.921
76.1	25.922
76.28	25.924
76.48	
76.68	
76.88	25.922
77.08	25.92
77.28	25.916
77.48	25.912
77.68	25.908
77.88	25.902
78.	25.899
78.02	25.898
78.04	
78.1	25.897
78.28	25.896
78.48	
78.68	25.898

78.88	25.9
79.08	25.903
79.28	25.907
79.48	25.911
79.68	25.915
79.88	25.92
80.	25.923
80.02	
80.04	25.924
80.1	25.925
80.28	25.927
80.48	25.929
80.68	25.93
80.88	
81.08	
81.28	
81.48	25.929
81.68	
81.88	25.928
82.	25.927
82.02	
82.04	25.926
82.1	
82.28	25.923
82.48	25.919
82.68	25.914
82.88	25.909
83.08	25.903
83.28	25.897
83.48	25.89
83.68	25.884
83.88	25.877
84.	25.873
84.02	
84.04	25.872
84.1	25.87
84.28	25.866
84.48	25.863
84.68	25.86
84.88	25.857
85.08	25.855
85.28	25.852
85.48	25.851
85.68	25.849
85.88	25.847
86.	
86.02	25.846
86.04	
86.1	
86.28	25.847
86.48	25.848
86.68	25.85
86.88	25.853
87.08	25.856
87.28	25.859
87.48	25.863
87.68	25.867
87.88	25.872
88.	25.875
88.02	

88.04	
88.1	25.876
88.28	25.877
88.48	
88.68	25.876
88.88	25.875
89.08	25.873
89.28	25.87
89.48	25.867
89.68	25.864
89.88	25.86
90.	25.858
90.02	
90.04	25.857
90.1	25.856
90.28	25.854
90.48	25.851
90.68	25.848
90.88	25.845
91.08	25.843
91.28	25.84
91.48	25.838
91.68	25.835
91.88	25.832
92.	25.831
92.02	25.83
92.04	
92.1	
92.28	
92.48	25.832
92.68	25.834
92.88	25.837
93.08	25.84
93.28	25.844
93.48	25.849
93.68	25.854
93.88	25.859
94.	25.862
94.02	25.863
94.04	
94.1	25.865
94.28	25.867
94.48	25.869
94.68	25.87
94.88	25.871
95.08	
95.28	
95.48	
95.68	25.87
95.88	
96.	25.869
96.02	
96.04	
96.1	
96.28	
96.48	
96.68	
96.88	
97.08	25.87
97.28	

97.48	25.871
97.68	
97.88	25.872
98.	
98.02	
98.04	
98.1	25.873
98.28	
98.48	
98.68	25.872
98.88	
99.08	
99.28	25.871
99.48	25.87
99.68	
99.88	25.869
100.	25.868
100.02	
100.04	
100.1	
100.28	25.867
100.48	
100.68	25.866
100.88	
101.08	25.865
101.28	
101.48	
101.68	25.864
101.88	
102.	
102.02	25.863
102.04	
102.1	
102.28	
102.48	
102.68	
102.88	25.862
103.08	
103.28	
103.48	
103.68	25.861
103.88	
104.	
104.02	
104.04	
104.1	
104.28	
104.48	25.862
104.68	25.863
104.88	25.864
105.08	25.865
105.28	25.866
105.48	25.867
105.68	25.868
105.88	25.869
106.	25.87
106.02	
106.04	
106.1	25.871
106.28	25.873

106.48	25.876
106.68	25.88
106.88	25.883
107.08	25.887
107.28	25.891
107.48	25.896
107.68	25.9
107.88	25.905
108.	25.908
108.02	25.909
108.04	
108.1	25.911
108.28	25.917
108.48	25.924
108.68	25.931
108.88	25.939
109.08	25.947
109.28	25.956
109.48	25.965
109.68	25.975
109.88	25.984
110.	25.99
110.02	25.991
110.04	25.992
110.1	25.995
110.28	26.002
110.48	26.009
110.68	26.015
110.88	26.021
111.08	26.027
111.28	26.033
111.48	26.038
111.68	26.044
111.88	26.049
112.	26.052
112.02	
112.04	26.053
112.1	
112.28	26.054
112.48	26.052
112.68	26.05
112.88	26.046
113.08	26.041
113.28	26.036
113.48	26.029
113.68	26.022
113.88	26.014
114.	26.009
114.02	26.008
114.04	26.007
114.1	26.005
114.28	26.001
114.48	25.996
114.68	25.992
114.88	25.988
115.08	25.985
115.28	25.981
115.48	25.978
115.68	25.975
115.88	25.973

116.	25.971
116.02	
116.04	
116.1	25.97
116.28	25.971
116.48	25.974
116.68	25.977
116.88	25.981
117.08	25.986
117.28	25.992
117.48	25.999
117.68	26.006
117.88	26.014
118.	26.018
118.02	26.019
118.04	26.02
118.1	26.022
118.28	26.027
118.48	26.032
118.68	26.037
118.88	26.042
119.08	26.046
119.28	26.05
119.48	26.054
119.68	26.058
119.88	26.062
120.	26.064
120.02	
120.04	26.065
120.1	26.066
120.28	26.069
120.48	26.071
120.68	26.074
120.88	26.076
121.08	26.079
121.28	26.081
121.48	26.083
121.68	26.085
121.88	26.086
122.	26.087
122.02	
122.04	26.088
122.1	
122.28	
122.48	
122.68	
122.88	26.087
123.08	26.086
123.28	26.085
123.48	26.083
123.68	26.081
123.88	26.079
124.	26.078
124.02	
124.04	26.077
124.1	
124.28	26.076
124.48	
124.68	
124.88	

125.08	26.077
125.28	
125.48	26.078
125.68	26.079
125.88	26.08
126.	
126.02	
126.04	26.081
126.1	26.082
126.28	26.088
126.48	26.097
126.68	26.108
126.88	26.119
127.08	26.133
127.28	26.147
127.48	26.162
127.68	26.179
127.88	26.196
128.	26.207
128.02	26.208
128.04	26.21
128.1	26.213
128.28	26.221
128.48	26.226
128.68	26.229
128.88	26.23
129.08	
129.28	26.228
129.48	26.225
129.68	26.221
129.88	26.216
130.	26.213
130.02	26.212
130.04	
130.1	26.21
130.28	26.208
130.48	26.206
130.68	26.205
130.88	26.204
131.08	26.203
131.28	26.202
131.48	
131.68	26.201
131.88	
132.	
132.02	
132.04	
132.1	26.2
132.28	26.197
132.48	26.192
132.68	26.186
132.88	26.179
133.08	26.172
133.28	26.164
133.48	26.155
133.68	26.146
133.88	26.136
134.	26.13
134.02	
134.04	26.129

134.1	26.127
134.28	26.126
134.48	26.127
134.68	26.13
134.88	26.135
135.08	26.142
135.28	26.15
135.48	26.159
135.68	26.169
135.88	26.181
136.	26.188
136.02	26.189
136.04	26.19
136.1	26.194
136.28	26.205
136.48	26.218
136.68	26.231
136.88	26.245
137.08	26.26
137.28	26.275
137.48	26.291
137.68	26.307
137.88	26.324
138.	26.334
138.02	26.335
138.04	26.337
138.1	26.34
138.28	26.347
138.48	26.352
138.68	26.354
138.88	
139.08	26.352
139.28	26.349
139.48	26.344
139.68	26.338
139.88	26.331
140.	26.327
140.02	26.326
140.04	
140.1	26.325
140.28	26.328
140.48	26.333
140.68	26.342
140.88	26.352
141.08	26.363
141.28	26.377
141.48	26.391
141.68	26.407
141.88	26.423
142.	26.434
142.02	26.435
142.04	26.437
142.1	26.44
142.28	26.448
142.48	26.454
142.68	26.457
142.88	26.459
143.08	26.46
143.28	26.459
143.48	26.457

143.68	26.455
143.88	26.451
144.	26.449
144.02	26.448
144.04	
144.1	
144.28	26.449
144.48	26.452
144.68	26.456
144.88	26.461
145.08	26.466
145.28	26.473
145.48	26.479
145.68	26.487
145.88	26.495
146.	26.5
146.02	
146.04	26.501
146.1	26.503
146.28	26.508
146.48	26.512
146.68	26.515
146.88	26.519
147.08	26.521
147.28	26.523
147.48	26.525
147.68	26.527
147.88	26.528
148.	26.529
148.02	
148.04	
148.1	26.53
148.28	26.532
148.48	26.535
148.68	26.539
148.88	26.542
149.08	26.546
149.28	26.549
149.48	26.553
149.68	26.557
149.88	26.561
150.	26.564
150.02	
150.04	26.565
150.1	26.566
150.28	26.572
150.48	26.578
150.68	26.585
150.88	26.593
151.08	26.603
151.28	26.621
151.48	26.643
151.68	26.668
151.88	26.695
152.	26.713
152.02	26.715
152.04	26.718
152.1	26.723
152.28	26.733
152.48	26.739

152.68	26.74
152.88	26.738
153.08	26.733
153.28	26.725
153.48	26.713
153.68	26.699
153.88	26.684
154.	26.673
154.02	26.672
154.04	26.671
154.1	26.669
154.28	26.674
154.48	26.685
154.68	26.702
154.88	26.723
155.08	26.746
155.28	26.768
155.48	26.792
155.68	26.816
155.88	26.841
156.	26.856
156.02	26.859
156.04	26.861
156.1	26.866
156.28	26.874
156.48	26.877
156.68	26.876
156.88	26.872
157.08	26.868
157.28	26.866
157.48	
157.68	
157.88	
158.	
158.02	
158.04	26.867
158.1	
158.28	26.869
158.48	26.871
158.68	26.874
158.88	26.877
159.08	26.882
159.28	26.89
159.48	26.901
159.68	26.912
159.88	26.926
160.	26.934
160.01	26.935
160.02	
160.05	26.938
160.14	26.946
160.24	26.957
160.34	26.968
160.44	26.98
160.54	26.993
160.64	27.007
160.74	27.021
160.84	27.036
160.94	27.051
161.	27.06

161.01	27.062
161.02	27.063
161.05	27.066
161.14	27.072
161.24	27.075
161.34	27.076
161.44	27.074
161.54	27.071
161.64	27.066
161.74	27.06
161.84	27.053
161.94	27.044
162.	27.038
162.01	
162.02	27.037
162.05	27.035
162.14	27.03
162.24	27.027
162.34	27.024
162.44	27.022
162.54	27.02
162.64	27.019
162.74	27.018
162.84	27.017
162.94	
163.	27.016
163.01	
163.02	
163.05	
163.14	27.017
163.24	27.018
163.34	27.019
163.44	27.021
163.54	27.023
163.64	27.025
163.74	27.028
163.84	27.03
163.94	27.033
164.	27.035
164.01	
164.02	27.036
164.05	27.037
164.14	27.044
164.24	27.054
164.34	27.066
164.44	27.079
164.54	27.093
164.64	27.108
164.74	27.124
164.84	27.141
164.94	27.159
165.	27.17
165.01	27.172
165.02	27.174
165.05	27.179
165.14	27.192
165.24	27.204
165.34	27.216
165.44	27.228
165.54	27.238

165.64	27.249
165.74	27.259
165.84	27.268
165.94	27.277
166.	27.283
166.01	27.284
166.02	
166.05	27.286
166.14	27.289
166.24	27.29
166.34	27.289
166.44	27.286
166.54	27.282
166.64	27.276
166.74	27.27
166.84	27.262
166.94	27.253
167.	27.248
167.01	27.247
167.02	27.246
167.05	27.244
167.14	27.239
167.24	27.235
167.34	27.232
167.44	27.23
167.54	27.228
167.64	27.226
167.74	27.225
167.84	27.224
167.94	27.223
168.	
168.01	
168.02	
168.05	27.222
168.14	27.219
168.24	27.213
168.34	27.207
168.44	27.201
168.54	27.193
168.64	27.185
168.74	27.176
168.84	27.167
168.94	27.157
169.	27.151
169.01	27.15
169.02	27.149
169.05	27.148
169.14	27.151
169.24	27.159
169.34	27.171
169.44	27.186
169.54	27.204
169.64	27.224
169.74	27.246
169.84	27.271
169.94	27.297
170.	27.313
170.01	27.316
170.02	27.319
170.05	27.326

170.14	27.344
170.24	27.363
170.34	27.381
170.44	27.397
170.54	27.413
170.64	27.429
170.74	27.444
170.84	27.458
170.94	27.473
171.	27.481
171.01	27.483
171.02	27.484
171.05	27.487
171.14	27.492
171.24	27.495
171.34	
171.44	27.492
171.54	27.488
171.64	27.482
171.74	27.474
171.84	27.465
171.94	27.455
172.	27.448
172.01	27.447
172.02	27.446
172.05	27.444
172.14	27.44
172.24	27.438
172.34	
172.44	
172.54	27.44
172.64	27.442
172.74	27.445
172.84	27.448
172.94	27.452
173.	27.455
173.01	
173.02	27.456
173.05	27.457
173.14	27.459
173.24	27.462
173.34	27.464
173.44	27.465
173.54	27.467
173.64	27.468
173.74	27.469
173.84	27.471
173.94	27.472
174.	
174.01	
174.02	27.473
174.05	
174.14	27.476
174.24	27.481
174.34	27.486
174.44	27.491
174.54	27.498
174.64	27.504
174.74	27.511
174.84	27.519

174.94	27.527
175.	27.532
175.01	
175.02	27.533
175.05	27.535
175.14	27.539
175.24	27.542
175.34	27.544
175.44	27.545
175.54	27.546
175.64	
175.74	27.545
175.84	27.544
175.94	27.542
176.	27.541
176.01	
176.02	
176.05	27.542
176.14	27.547
176.24	27.555
176.34	27.565
176.44	27.577
176.54	27.59
176.64	27.604
176.74	27.62
176.84	27.636
176.94	27.654
177.	27.665
177.01	27.667
177.02	27.668
177.05	27.672
177.14	27.68
177.24	27.685
177.34	27.688
177.44	
177.54	27.687
177.64	27.685
177.74	27.681
177.84	27.676
177.94	27.669
178.	27.665
178.01	
178.02	27.664
178.05	27.663
178.14	27.664
178.24	27.668
178.34	27.673
178.44	27.68
178.54	27.689
178.64	27.698
178.74	27.708
178.84	27.72
178.94	27.732
179.	27.74
179.01	27.741
179.02	27.742
179.05	27.743
179.14	
179.24	27.739
179.34	27.731

179.44	27.721
179.54	27.707
179.64	27.692
179.74	27.675
179.84	27.655
179.94	27.634
180.	27.621
180.01	27.619
180.02	27.617
180.05	27.612
180.14	27.601
180.24	27.592
180.34	27.585
180.44	27.58
180.54	27.576
180.64	27.573
180.74	27.572
180.84	27.571
180.94	
181.	27.572
181.01	
181.02	
181.05	
181.14	27.573
181.24	27.576
181.34	27.578
181.44	27.582
181.54	27.585
181.64	27.59
181.74	27.594
181.84	27.599
181.94	27.605
182.	27.609
182.01	
182.02	27.61
182.05	27.611
182.14	27.614
182.24	27.618
182.34	27.62
182.44	27.623
182.54	27.625
182.64	27.627
182.74	27.629
182.84	27.631
182.94	27.632
183.	27.633
183.01	27.634
183.02	
183.05	27.635
183.14	27.64
183.24	27.648
183.34	27.656
183.44	27.666
183.54	27.676
183.64	27.688
183.74	27.7
183.84	27.713
183.94	27.726
184.	27.734
184.01	27.736

184.02	27.737
184.05	27.74
184.14	27.744
184.24	27.746
184.34	
184.44	27.744
184.54	27.74
184.64	27.735
184.74	27.728
184.84	27.72
184.94	27.712
185.	27.706
185.01	27.705
185.02	27.704
185.05	27.702
185.14	27.699
185.24	27.697
185.34	27.696
185.44	
185.54	27.697
185.64	27.699
185.74	27.701
185.84	27.704
185.94	27.707
186.	27.71
186.01	
186.02	
186.05	
186.14	27.707
186.24	27.701
186.34	27.694
186.44	27.685
186.54	27.675
186.64	27.663
186.74	27.65
186.84	27.636
186.94	27.622
187.	27.613
187.01	27.611
187.02	27.61
187.05	27.606
187.14	27.597
187.24	27.588
187.34	27.581
187.44	27.574
187.54	27.568
187.64	27.563
187.74	27.558
187.84	27.553
187.94	27.549
188.	27.547
188.01	
188.02	27.546
188.05	27.545
188.14	27.541
188.24	27.537
188.34	27.533
188.44	27.528
188.54	27.524
188.64	27.52

188.74	27.515
188.84	27.511
188.94	27.507
189.	27.504
189.01	
189.02	
189.05	27.503
189.14	27.504
189.24	27.507
189.34	27.512
189.44	27.518
189.54	27.525
189.64	27.533
189.74	27.542
189.84	27.553
189.94	27.564
190.	27.57
190.01	27.572
190.02	27.573
190.05	27.576
190.14	27.583
190.24	27.591
190.34	27.599
190.44	27.606
190.54	27.613
190.64	27.62
190.74	27.626
190.84	27.633
190.94	27.639
191.	27.643
191.01	27.644
191.02	
191.05	27.645
191.14	27.646
191.24	27.645
191.34	27.642
191.44	27.638
191.54	27.633
191.64	27.626
191.74	27.619
191.84	27.611
191.94	27.601
192.	27.596
192.01	27.595
192.02	27.594
192.05	27.591
192.14	27.585
192.24	27.58
192.34	27.574
192.44	27.57
192.54	27.565
192.64	27.561
192.74	27.557
192.84	27.553
192.94	27.549
193.	27.547
193.01	
193.02	27.546
193.05	27.545
193.14	27.542

193.24	27.54
193.34	27.537
193.44	27.534
193.54	27.532
193.64	27.53
193.74	27.528
193.84	27.526
193.94	27.524
194.	27.523
194.01	
194.02	
194.05	
194.14	27.528
194.24	27.536
194.34	27.546
194.44	27.558
194.54	27.572
194.64	27.588
194.74	27.604
194.84	27.622
194.94	27.641
195.	27.653
195.01	27.655
195.02	27.657
195.05	27.66
195.14	27.667
195.24	27.671
195.34	
195.44	27.669
195.54	27.664
195.64	27.658
195.74	27.65
195.84	27.64
195.94	27.629
196.	27.622
196.01	27.621
196.02	27.62
196.05	27.617
196.14	27.61
196.24	27.604
196.34	27.598
196.44	27.593
196.54	27.588
196.64	27.583
196.74	27.579
196.84	27.574
196.94	27.57
197.	27.568
197.01	27.567
197.02	
197.05	27.566
197.14	
197.24	27.567
197.34	27.569
197.44	27.572
197.54	27.576
197.64	27.58
197.74	27.585
197.84	27.591
197.94	27.598

198.	27.602
198.01	
198.02	27.603
198.05	27.604
198.14	27.607
198.24	27.609
198.34	27.61
198.44	
198.54	
198.64	27.609
198.74	27.608
198.84	27.606
198.94	27.604
199.	27.603
199.01	
199.02	
199.05	27.602
199.14	27.603
199.24	27.605
199.34	27.608
199.44	27.611
199.54	27.615
199.64	27.62
199.74	27.625
199.84	27.63
199.94	27.636
200.	27.639
200.01	27.64
200.02	
200.05	27.642
200.14	27.646
200.24	27.651
200.34	27.656
200.44	27.661
200.54	27.665
200.64	27.67
200.74	27.675
200.84	27.679
200.94	27.684
201.	27.687
201.01	
201.02	27.688
201.05	
201.14	27.687
201.24	27.683
201.34	27.678
201.44	27.671
201.54	27.663
201.64	27.654
201.74	27.644
201.84	27.633
201.94	27.62
202.	27.613
202.01	27.611
202.02	27.61
202.05	27.608
202.14	27.605
202.24	
202.34	27.607
202.44	27.611

202.54	27.617
202.64	27.624
202.74	27.633
202.84	27.642
202.94	27.653
203.	27.66
203.01	27.661
203.02	27.662
203.05	27.664
203.14	27.668
203.24	27.669
203.34	
203.44	27.667
203.54	27.664
203.64	27.66
203.74	27.655
203.84	27.649
203.94	27.643
204.	27.639
204.01	27.638
204.02	27.637
204.05	27.636
204.14	27.631
204.24	27.627
204.34	27.622
204.44	27.619
204.54	27.615
204.64	27.611
204.74	27.608
204.84	27.604
204.94	27.601
205.	27.598
205.01	
205.02	
205.05	
205.14	27.6
205.24	27.604
205.34	27.61
205.44	27.617
205.54	27.625
205.64	27.635
205.74	27.646
205.84	27.657
205.94	27.669
206.	27.677
206.01	27.678
206.02	27.68
206.05	27.683
206.14	27.691
206.24	27.699
206.34	27.707
206.44	27.714
206.54	27.72
206.64	27.727
206.74	27.733
206.84	27.738
206.94	27.744
207.	27.747
207.01	27.748
207.02	

207.05	27.75
207.14	27.754
207.24	27.759
207.34	27.764
207.44	27.768
207.54	27.772
207.64	27.777
207.74	27.781
207.84	27.785
207.94	27.788
208.	27.791
208.01	
208.02	27.792
208.05	27.793
208.14	27.796
208.24	27.799
208.34	27.803
208.44	27.806
208.54	27.81
208.64	27.813
208.74	27.816
208.84	27.819
208.94	27.822
209.	27.824
209.01	
209.02	27.825
209.05	27.826
209.14	27.832
209.24	27.84
209.34	27.85
209.44	27.86
209.54	27.871
209.64	27.883
209.74	27.895
209.84	27.909
209.94	27.922
210.	27.931
210.01	27.932
210.02	27.934
210.05	27.94
210.14	27.962
210.24	27.991
210.34	28.024
210.44	28.06
210.54	28.098
210.64	28.139
210.74	28.183
210.84	28.228
210.94	28.275
211.	28.305
211.01	28.309
211.02	28.313
211.05	28.324
211.14	28.346
211.24	28.362
211.34	28.371
211.44	28.375
211.54	
211.64	28.37
211.74	28.363

211.84	28.351
211.94	28.337
212.	28.328
212.01	28.326
212.02	28.325
212.05	28.321
212.14	28.31
212.24	28.298
212.34	28.286
212.44	28.273
212.54	28.261
212.64	28.247
212.74	28.233
212.84	28.219
212.94	28.204
213.	28.195
213.01	28.193
213.02	
213.05	28.194
213.14	28.211
213.24	28.243
213.34	28.285
213.44	28.336
213.54	28.394
213.64	28.459
213.74	28.53
213.84	28.607
213.94	28.689
214.	28.739
214.01	28.747
214.02	28.755
214.05	28.774
214.14	28.816
214.24	28.851
214.34	28.876
214.44	28.894
214.54	28.906
214.64	28.912
214.74	28.914
214.84	28.911
214.94	28.905
215.	28.899
215.01	
215.02	28.898
215.05	28.896
215.14	28.893
215.24	28.89
215.34	28.887
215.44	28.884
215.54	28.88
215.64	28.876
215.74	28.871
215.84	28.866
215.94	28.86
216.	28.856
216.01	
216.02	
216.05	
216.14	28.862
216.24	28.874

216.34	28.89
216.44	28.909
216.54	28.93
216.64	28.953
216.74	28.979
216.84	29.006
216.94	29.036
217.	29.054
217.01	29.057
217.02	29.059
217.05	29.066
217.14	29.08
217.24	29.09
217.34	29.096
217.44	29.099
217.54	
217.64	29.097
217.74	29.094
217.84	29.088
217.94	29.08
218.	29.075
218.01	29.074
218.02	29.073
218.05	29.071
218.14	29.066
218.24	29.062
218.34	29.057
218.44	29.052
218.54	29.048
218.64	29.043
218.74	29.038
218.84	29.033
218.94	29.028
219.	29.024
219.01	
219.02	
219.05	
219.14	29.029
219.24	29.039
219.34	29.052
219.44	29.067
219.54	29.085
219.64	29.105
219.74	29.127
219.84	29.151
219.94	29.176
220.	29.192
220.01	29.194
220.02	29.196
220.05	29.202
220.14	29.213
220.24	29.22
220.34	29.223
220.44	29.224
220.54	29.222
220.64	29.218
220.74	29.212
220.84	29.204
220.94	29.194
221.	29.188

221.01	29.187
221.02	29.186
221.05	
221.14	29.189
221.24	29.198
221.34	29.21
221.44	29.226
221.54	29.244
221.64	29.264
221.74	29.286
221.84	29.31
221.94	29.336
222.	29.351
222.01	29.354
222.02	29.357
222.05	29.366
222.14	29.394
222.24	29.427
222.34	29.463
222.44	29.501
222.54	29.54
222.64	29.581
222.74	29.624
222.84	29.668
222.94	29.713
223.	29.741
223.01	29.746
223.02	29.75
223.05	29.764
223.14	29.803
223.24	29.845
223.34	29.888
223.44	29.93
223.54	29.973
223.64	30.015
223.74	30.058
223.84	30.101
223.94	30.144
224.	30.17
224.01	30.175
224.02	30.179
224.05	30.195
224.14	30.248
224.24	30.314
224.34	30.385
224.44	30.461
224.54	30.54
224.64	30.623
224.74	30.709
224.84	30.798
224.94	30.89
225.	30.947
225.01	30.956
225.02	30.964
225.05	30.988
225.14	31.051
225.24	31.112
225.34	31.167
225.44	31.217
225.54	31.263

225.64	31.305
225.74	31.344
225.84	31.381
225.94	31.415
226.	31.434
226.01	31.438
226.02	31.441
226.05	31.454
226.14	31.497
226.24	31.55
226.34	31.607
226.44	31.666
226.54	31.728
226.64	31.793
226.74	31.859
226.84	31.927
226.94	31.997
227.	32.039
227.01	32.046
227.02	32.053
227.05	32.076
227.14	32.147
227.24	32.23
227.34	32.316
227.44	32.405
227.54	32.497
227.64	32.592
227.74	32.688
227.84	32.787
227.94	32.888
228.	32.949
228.01	32.959
228.02	32.968
228.05	32.995
228.14	33.064
228.24	33.133
228.34	33.195
228.44	33.251
228.54	33.303
228.64	33.351
228.74	33.395
228.84	33.436
228.94	33.475
229.	33.497
229.01	33.501
229.02	33.505
229.05	33.521
229.14	33.583
229.24	33.663
229.34	33.751
229.44	33.846
229.54	33.947
229.64	34.054
229.74	34.165
229.84	34.281
229.94	34.4
230.	34.474
230.01	34.485
230.02	34.497
230.05	34.528
230.14	

	34.61
230.24	34.69
230.34	34.763
230.44	34.83
230.54	34.891
230.64	34.948
230.74	35.001
230.84	35.05
230.94	35.096
231.	35.122
231.01	35.126
231.02	35.131
231.05	35.144
231.14	35.183
231.24	35.226
231.34	35.267
231.44	35.307
231.54	35.345
231.64	35.382
231.74	35.418
231.84	35.452
231.94	35.485
232.	35.505
232.01	35.508
232.02	35.511
232.05	35.519
232.14	35.54
232.24	35.559
232.34	35.574
232.44	35.586
232.54	35.596
232.64	35.603
232.74	35.608
232.84	35.61
232.94	
233.	35.609
233.01	
233.02	
233.05	35.608
233.14	35.601
233.24	35.59
233.34	35.577
233.44	35.56
233.54	35.542
233.64	35.521
233.74	35.497
233.84	35.472
233.94	35.444
234.	35.426
234.01	35.424
234.02	35.421
234.05	35.413
234.14	35.388
234.24	35.362
234.34	35.334
234.44	35.307
234.54	35.278
234.64	35.249
234.74	35.219
234.84	35.189

234.94	35.157
235.	35.138
235.01	35.135
235.02	35.133
235.05	35.127
235.14	35.122
235.24	35.125
235.34	35.135
235.44	35.152
235.54	35.174
235.64	35.2
235.74	35.231
235.84	35.265
235.94	35.303
236.	35.327
236.01	35.331
236.02	35.335
236.05	35.348
236.14	35.385
236.24	35.43
236.34	35.476
236.44	35.524
236.54	35.574
236.64	35.626
236.74	35.68
236.84	35.736
236.94	35.793
237.	35.828
237.01	35.834
237.02	35.84
237.05	35.855
237.14	35.895
237.24	35.935
237.34	35.971
237.44	36.005
237.54	36.036
237.64	36.066
237.74	36.094
237.84	36.12
237.94	36.145
238.	36.16
238.01	36.162
238.02	36.165
238.05	36.174
238.14	36.203
238.24	36.237
238.34	36.274
238.44	36.312
238.54	36.352
238.64	36.393
238.74	36.434
238.84	36.477
238.94	36.521
239.	36.547
239.01	36.551
239.02	36.556
239.05	36.571
239.14	36.618
239.24	36.674
239.34	36.733
239.44	

	36.795
239.54	36.859
239.64	36.925
239.74	36.993
239.84	37.062
239.94	37.134
240.	37.178
240.01	37.185
240.02	37.192
240.05	37.212
240.14	37.268
240.24	37.326
240.34	37.383
240.44	37.437
240.54	37.49
240.64	37.542
240.74	37.593
240.84	37.643
240.94	37.692
241.	37.721
241.01	37.726
241.02	37.73
241.05	37.743
241.14	37.776
241.24	37.809
241.34	37.837
241.44	37.863
241.54	37.885
241.64	37.905
241.74	37.922
241.84	37.938
241.94	37.951
242.	37.958
242.01	37.96
242.02	37.962
242.05	37.975
242.14	38.034
242.24	38.119
242.34	38.219
242.44	38.332
242.54	38.456
242.64	38.591
242.74	38.734
242.84	38.885
242.94	39.044
243.	39.142
243.01	39.157
243.02	39.171
243.05	39.207
243.14	39.279
243.24	39.329
243.34	39.358
243.44	39.369
243.54	39.365
243.64	39.347
243.74	39.317
243.84	39.276
243.94	39.226
244.	39.191
244.01	39.186
244.02	

	39.182
244.05	39.172
244.14	39.158
244.24	39.155
244.34	39.16
244.44	39.171
244.54	39.188
244.64	39.208
244.74	39.232
244.84	39.259
244.94	39.289
245.	39.307
245.01	39.311
245.02	39.315
245.05	39.327
245.14	39.376
245.24	39.439
245.34	39.51
245.44	39.587
245.54	39.671
245.64	39.759
245.74	39.853
245.84	39.951
245.94	40.054
246.	40.117
246.01	40.127
246.02	40.136
246.05	40.16
246.14	40.214
246.24	40.257
246.34	40.288
246.44	40.309
246.54	40.322
246.64	40.328
246.74	40.327
246.84	40.32
246.94	40.308
247.	40.299
247.01	40.298
247.02	
247.05	40.301
247.14	40.334
247.24	40.387
247.34	40.454
247.44	40.532
247.54	40.619
247.64	40.714
247.74	40.816
247.84	40.925
247.94	41.04
248.	41.111
248.01	41.122
248.02	41.132
248.05	41.156
248.14	41.2
248.24	41.225
248.34	41.231
248.44	41.222
248.54	41.2
248.64	41.167

248.74	41.123
248.84	41.07
248.94	41.008
249.	40.968
249.01	40.962
249.02	40.956
249.05	40.941
249.14	40.907
249.24	40.877
249.34	40.852
249.44	40.831
249.54	40.813
249.64	40.797
249.74	40.782
249.84	40.769
249.94	40.757
250.	40.751
250.01	40.749
250.02	40.748
250.05	40.745
250.14	40.738
250.24	40.731
250.34	40.726
250.44	40.721
250.54	40.718
250.64	40.715
250.74	40.712
250.84	40.711
250.94	
251.	40.709
251.01	
251.02	
251.05	40.71
251.14	40.719
251.24	40.732
251.34	40.749
251.44	40.768
251.54	40.79
251.64	40.814
251.74	40.84
251.84	40.867
251.94	40.897
252.	40.915
252.01	40.918
252.02	40.92
252.05	40.925
252.14	
252.24	40.915
252.34	40.896
252.44	40.871
252.54	40.84
252.64	40.803
252.74	40.761
252.84	40.716
252.94	40.666
253.	40.634
253.01	40.63
253.02	40.625
253.05	40.615
253.14	40.598

253.24	40.591
253.34	40.592
253.44	40.6
253.54	40.614
253.64	40.632
253.74	40.655
253.84	40.682
253.94	40.713
254.	40.733
254.01	40.736
254.02	40.739
254.05	40.746
254.14	40.766
254.24	40.785
254.34	40.802
254.44	40.817
254.54	40.832
254.64	40.846
254.74	40.859
254.84	40.872
254.94	40.884
255.	40.891
255.01	40.893
255.02	40.894
255.05	40.899
255.14	40.914
255.24	40.933
255.34	40.954
255.44	40.976
255.54	40.999
255.64	41.023
255.74	41.047
255.84	41.073
255.94	41.1
256.	41.116
256.01	41.119
256.02	41.122
256.05	41.135
256.14	41.185
256.24	41.251
256.34	41.327
256.44	41.41
256.54	41.5
256.64	41.596
256.74	41.698
256.84	41.805
256.94	41.918
257.	41.987
257.01	41.998
257.02	42.008
257.05	42.036
257.14	42.106
257.24	42.172
257.34	42.229
257.44	42.278
257.54	42.321
257.64	42.36
257.74	42.393
257.84	42.423
257.94	42.449
258.	

	42.464
258.01	42.466
258.02	42.468
258.05	42.476
258.14	42.499
258.24	42.525
258.34	42.549
258.44	42.573
258.54	42.595
258.64	42.617
258.74	42.637
258.84	42.657
258.94	42.675
259.	42.686
259.01	42.688
259.02	42.691
259.05	42.7
259.14	42.736
259.24	42.784
259.34	42.838
259.44	42.897
259.54	42.961
259.64	43.029
259.74	43.1
259.84	43.174
259.94	43.252
260.	43.299
260.01	43.306
260.02	43.313
260.05	43.329
260.14	43.355
260.24	43.367
260.34	43.365
260.44	43.351
260.54	43.328
260.64	43.296
260.74	43.256
260.84	43.208
260.94	43.155
261.	43.12
261.01	43.115
261.02	43.11
261.05	43.099
261.14	43.082
261.24	43.076
261.34	43.079
261.44	43.088
261.54	43.104
261.64	43.124
261.74	43.149
261.84	43.177
261.94	43.209
262.	43.229
262.01	43.233
262.02	43.236
262.05	43.245
262.14	43.269
262.24	43.294
262.34	43.319
262.44	43.343
262.54	

	43.367
262.64	43.391
262.74	43.415
262.84	43.439
262.94	43.463
263.	43.477
263.01	43.479
263.02	43.481
263.05	43.487
263.14	43.5
263.24	43.512
263.34	43.521
263.44	43.527
263.54	43.532
263.64	43.535
263.74	43.536
263.84	
263.94	43.535
264.	43.534
264.01	
264.02	
264.05	43.536
264.14	43.549
264.24	43.569
264.34	43.594
264.44	43.622
264.54	43.653
264.64	43.687
264.74	43.724
264.84	43.763
264.94	43.804
265.	43.829
265.01	43.833
265.02	43.836
265.05	43.843
265.14	43.845
265.24	43.833
265.34	43.81
265.44	43.778
265.54	43.738
265.64	43.69
265.74	43.637
265.84	43.577
265.94	43.512
266.	43.47
266.01	43.464
266.02	43.459
266.05	43.447
266.14	43.432
266.24	43.433
266.34	43.447
266.44	43.472
266.54	43.506
266.64	43.548
266.74	43.598
266.84	43.653
266.94	43.715
267.	43.754
267.01	43.76
267.02	43.766

267.05	43.782
267.14	43.82
267.24	43.855
267.34	43.886
267.44	43.914
267.54	43.938
267.64	43.961
267.74	43.982
267.84	44.001
267.94	44.019
268.	44.029
268.01	44.031
268.02	44.033
268.05	44.04
268.14	44.067
268.24	44.101
268.34	44.138
268.44	44.179
268.54	44.221
268.64	44.266
268.74	44.313
268.84	44.361
268.94	44.411
269.	44.442
269.01	44.447
269.02	44.452
269.05	44.468
269.14	44.516
269.24	44.571
269.34	44.628
269.44	44.686
269.54	44.746
269.64	44.807
269.74	44.869
269.84	44.932
269.94	44.997
270.	45.036
270.01	45.043
270.02	45.049
270.05	45.069
270.14	45.127
270.24	45.192
270.34	45.258
270.44	45.324
270.54	45.391
270.64	45.459
270.74	45.527
270.84	45.595
270.94	45.665
271.	45.707
271.01	45.713
271.02	45.72
271.05	45.739
271.14	45.79
271.24	45.842
271.34	45.891
271.44	45.937
271.54	45.981
271.64	46.022
271.74	46.061
271.84	

	46.099
271.94	46.135
272.	46.156
272.01	46.159
272.02	46.163
272.05	46.173
272.14	46.202
272.24	46.232
272.34	46.261
272.44	46.288
272.54	46.314
272.64	46.338
272.74	46.362
272.84	46.384
272.94	46.406
273.	46.418
273.01	46.42
273.02	46.421
273.05	46.422
273.14	46.413
273.24	46.391
273.34	46.359
273.44	46.318
273.54	46.27
273.64	46.215
273.74	46.154
273.84	46.087
273.94	46.014
274.	45.969
274.01	45.961
274.02	45.954
274.05	45.935
274.14	45.887
274.24	45.839
274.34	45.794
274.44	45.753
274.54	45.714
274.64	45.677
274.74	45.641
274.84	45.607
274.94	45.573
275.	45.553
275.01	45.549
275.02	45.546
275.05	45.536
275.14	45.505
275.24	45.47
275.34	45.435
275.44	45.401
275.54	45.365
275.64	45.33
275.74	45.295
275.84	45.259
275.94	45.223
276.	45.202
276.01	45.198
276.02	45.195
276.05	45.184
276.14	45.155
276.24	45.125
276.34	

	45.095
276.44	45.066
276.54	45.037
276.64	45.01
276.74	44.982
276.84	44.955
276.94	44.929
277.	44.913
277.01	44.91
277.02	44.908
277.05	44.9
277.14	44.878
277.24	44.854
277.34	44.83
277.44	44.808
277.54	44.785
277.64	44.764
277.74	44.742
277.84	44.721
277.94	44.701
278.	44.689
278.01	44.687
278.02	44.685
278.05	44.68
278.14	44.667
278.24	44.654
278.34	44.643
278.44	44.633
278.54	44.625
278.64	44.618
278.74	44.613
278.84	44.608
278.94	44.604
279.	44.602
279.01	
279.02	44.601
279.05	
279.14	44.598
279.24	44.596
279.34	44.594
279.44	44.593
279.54	44.592
279.64	
279.74	44.593
279.84	
279.94	44.595
280.	
280.01	44.596
280.02	
280.05	44.598
280.14	44.606
280.24	44.618
280.34	44.633
280.44	44.65
280.54	44.669
280.64	44.69
280.74	44.712
280.84	44.736
280.94	44.762
281.	44.778

281.01	44.78
281.02	44.783
281.05	44.79
281.14	44.813
281.24	44.839
281.34	44.865
281.44	44.891
281.54	44.918
281.64	44.945
281.74	44.973
281.84	45.002
281.94	45.031
282.	45.048
282.01	45.051
282.02	45.054
282.05	45.064
282.14	45.093
282.24	45.126
282.34	45.161
282.44	45.197
282.54	45.234
282.64	45.272
282.74	45.311
282.84	45.351
282.94	45.392
283.	45.417
283.01	45.421
283.02	45.425
283.05	45.437
283.14	45.47
283.24	45.507
283.34	45.543
283.44	45.579
283.54	45.614
283.64	45.649
283.74	45.684
283.84	45.719
283.94	45.754
284.	45.775
284.01	45.778
284.02	45.782
284.05	45.794
284.14	45.833
284.24	45.88
284.34	45.929
284.44	45.981
284.54	46.034
284.64	46.09
284.74	46.147
284.84	46.206
284.94	46.267
285.	46.304
285.01	46.31
285.02	46.316
285.05	46.333
285.14	46.38
285.24	46.43
285.34	46.479
285.44	46.526
285.54	46.572
285.64	

	46.617
285.74	46.661
285.84	46.704
285.94	46.747
286.	46.772
286.01	46.777
286.02	46.782
286.05	46.798
286.14	46.855
286.24	46.926
286.34	47.004
286.44	47.086
286.54	47.174
286.64	47.265
286.74	47.36
286.84	47.459
286.94	47.56
287.	47.622
287.01	47.632
287.02	47.642
287.05	47.667
287.14	47.731
287.24	47.79
287.34	47.84
287.44	47.883
287.54	47.921
287.64	47.953
287.74	47.981
287.84	48.005
287.94	48.025
288.	48.035
288.01	48.037
288.02	48.039
288.05	48.045
288.14	48.065
288.24	48.088
288.34	48.111
288.44	48.133
288.54	48.155
288.64	48.176
288.74	48.196
288.84	48.216
288.94	48.235
289.	48.246
289.01	48.248
289.02	48.25
289.05	48.255
289.14	48.268
289.24	48.282
289.34	48.294
289.44	48.305
289.54	48.314
289.64	48.323
289.74	48.33
289.84	48.336
289.94	48.341
290.	
290.01	48.344
290.02	
290.05	48.346

290.14	48.35
290.24	48.354
290.34	48.358
290.44	48.361
290.54	48.364
290.64	48.367
290.74	48.369
290.84	48.371
290.94	48.373
291.	48.374
291.01	
291.02	
291.05	48.373
291.14	48.368
291.24	48.359
291.34	48.348
291.44	48.335
291.54	48.32
291.64	48.303
291.74	48.285
291.84	48.265
291.94	48.244
292.	48.23
292.01	48.228
292.02	48.227
292.05	48.224
292.14	48.226
292.24	48.237
292.34	48.255
292.44	48.279
292.54	48.307
292.64	48.339
292.74	48.375
292.84	48.414
292.94	48.457
293.	48.484
293.01	48.488
293.02	48.492
293.05	48.503
293.14	48.53
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293.54	48.62
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293.74	48.654
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293.94	48.684
294.	48.692
294.01	48.694
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294.54	49.056
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294.74	49.254
294.84	49.362

294.94	49.475
295.	49.545
295.01	49.559
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295.05	49.635
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295.94	53.844
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356.94	22.218	56.34
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360.94		56.583

361.	22.2	56.587
361.01		56.588
361.02		56.589
361.05		56.591
361.14	22.199	56.597
361.24		56.604
361.34	22.198	56.611
361.44		56.618
361.54		56.625
361.64	22.197	56.632
361.74		56.639
361.84		56.646
361.94	22.196	56.653
362.		56.658
362.01		
362.02		56.659
362.05		56.661
362.14	22.195	56.667
362.24		56.674
362.34		56.68
362.44	22.194	56.687
362.54		56.693
362.64		56.699
362.74	22.193	56.705
362.84		56.711
362.94		56.718
363.	22.192	56.721
363.01		56.722
363.02		
363.05		56.724
363.14		56.73
363.24		56.736
363.34	22.191	56.742
363.44		56.748
363.54		56.753
363.64	22.19	56.759
363.74		56.765
363.84		56.771
363.94	22.189	56.777
364.		56.78
364.01		56.781
364.02		56.782
364.05		56.783
364.14		56.789
364.24	22.188	56.795
364.34		56.801
364.44		56.807
364.54		56.813
364.64	22.187	56.819
364.74		56.825
364.84		56.831
364.94	22.186	56.838
365.		56.841
365.01		56.842
365.02		56.843
365.05		56.844
365.14		56.85
365.24		56.856
365.34	22.185	56.862
365.44		56.868

365.54		56.874
365.64	22.184	56.88
365.74		56.886
365.84		56.892
365.94		56.898
366.		56.902
366.01		56.903
366.02		
366.05	22.183	56.905
366.14		56.911
366.24		56.917
366.34		56.923
366.44	22.182	56.929
366.54		56.935
366.64		56.941
366.74		56.947
366.84		56.953
366.94	22.181	56.959
367.		56.962
367.01		56.963
367.02		56.964
367.05		56.966
367.14		56.971
367.24		56.978
367.34	22.18	56.984
367.44		56.991
367.54		56.998
367.64		57.005
367.74		57.012
367.84	22.179	57.019
367.94		57.026
368.		57.03
368.01		57.031
368.02		
368.05		57.033
368.14		57.039
368.24		57.046
368.34	22.178	57.052
368.44		57.059
368.54		57.065
368.64		57.072
368.74		57.078
368.84	22.177	57.084
368.94		57.091
369.		57.094
369.01		57.095
369.02		57.096
369.05		57.097
369.14		57.103
369.24		57.11
369.34		57.116
369.44	22.176	57.122
369.54		57.129
369.64		57.135
369.74		57.141
369.84		57.148
369.94		57.154
370.		57.158
370.01		57.159
370.02		

370.05		57.161
370.14	22.175	57.167
370.24		57.173
370.34		57.18
370.44		57.186
370.54		57.193
370.64		57.2
370.74		57.206
370.84	22.174	57.213
370.94		57.219
371.		57.223
371.01		57.224
371.02		
371.05		57.226
371.14		57.232
371.24		57.239
371.34		57.245
371.44		57.251
371.54		57.258
371.64		57.264
371.74	22.173	57.271
371.84		57.277
371.94		57.283
372.		57.287
372.01		57.288
372.02		
372.05		57.29
372.14		57.296
372.24		57.302
372.34		57.308
372.44		57.315
372.54		57.321
372.64		57.327
372.74		57.333
372.84	22.172	57.339
372.94		57.346
373.		57.349
373.01		57.35
373.02		
373.05		57.352
373.14		57.358
373.24		57.364
373.34		57.369
373.44		57.375
373.54		57.381
373.64		57.387
373.74		57.392
373.84		57.398
373.94		57.404
374.		57.407
374.01		
374.02		57.408
374.05		57.41
374.14		57.415
374.24		57.421
374.34		57.427
374.44		57.433
374.54		57.44
374.64		57.446
374.74		57.452

374.84		57.458
374.94		57.465
375.		57.469
375.01		
375.02		57.47
375.05		57.472
375.14		57.478
375.24		57.484
375.34		57.49
375.44		57.496
375.54		57.503
375.64		57.509
375.74		57.515
375.84		57.521
375.94		57.527
376.		57.531
376.01		57.532
376.02		
376.05		57.534
376.14		57.54
376.24		57.546
376.34		57.552
376.44		57.558
376.54		57.564
376.64	22.171	57.57
376.74		57.576
376.84		57.582
376.94		57.589
377.		57.592
377.01		57.593
377.02		
377.05		57.595
377.14		57.601
377.24		57.606
377.34		57.612
377.44		57.618
377.54		57.624
377.64		57.63
377.74		57.636
377.84		57.642
377.94		57.648
378.		57.651
378.01		57.652
378.02		
378.05		57.654
378.14		57.659
378.24		57.665
378.34		57.672
378.44		57.678
378.54		57.684
378.64		57.69
378.74		57.697
378.84		57.703
378.94		57.709
379.		57.713
379.01		57.714
379.02		
379.05		57.716
379.14		57.722
379.24		57.728

379.34		57.734
379.44		57.74
379.54		57.746
379.64		57.753
379.74		57.759
379.84		57.765
379.94	22.172	57.771
380.		57.775
380.01		
380.02		57.776
380.05		57.778
380.14		57.783
380.24		57.789
380.34		57.795
380.44		57.801
380.54		57.807
380.64		57.813
380.74		57.819
380.84		57.825
380.94		57.831
381.	22.173	57.835
381.01		57.836
381.02		
381.05		57.838
381.14		57.844
381.24		57.85
381.34		57.856
381.44		57.862
381.54		57.868
381.64		57.874
381.74		57.88
381.84		57.887
381.94		57.893
382.		57.897
382.01	22.174	
382.02		57.898
382.05		57.9
382.14		57.905
382.24		57.911
382.34		57.918
382.44		57.924
382.54		57.93
382.64		57.936
382.74		57.943
382.84		57.949
382.94		57.955
383.		57.959
383.01	22.175	57.96
383.02		
383.05		57.962
383.14		57.968
383.24		57.974
383.34		57.98
383.44		57.986
383.54		57.993
383.64		57.999
383.74		58.005
383.84	22.176	58.011
383.94		58.017
384.		58.021

384.01		58.022
384.02		
384.05		58.024
384.14	22.177	58.03
384.24		58.036
384.34		58.042
384.44		58.049
384.54		58.055
384.64		58.061
384.74		58.067
384.84	22.178	58.073
384.94		58.08
385.		58.083
385.01		58.084
385.02		58.085
385.05		58.086
385.14		58.092
385.24		58.098
385.34		58.105
385.44		58.111
385.54	22.179	58.117
385.64		58.124
385.74		58.13
385.84		58.137
385.94		58.143
386.		58.147
386.01		58.148
386.02		
386.05		58.15
386.14	22.18	58.156
386.24		58.162
386.34		58.169
386.44		58.175
386.54		58.181
386.64		58.188
386.74	22.181	58.194
386.84		58.2
386.94		58.206
387.		58.21
387.01		58.211
387.02		
387.05		58.213
387.14		58.219
387.24		58.225
387.34	22.182	58.231
387.44		58.237
387.54		58.243
387.64		58.25
387.74		58.256
387.84	22.183	58.262
387.94		58.268
388.		58.271
388.01		58.272
388.02		58.273
388.05		58.275
388.14		58.28
388.24		58.286
388.34		58.292
388.44		58.298
388.54		58.305

388.64	22.184	58.311
388.74		58.317
388.84		58.323
388.94	22.185	58.329
389.		58.333
389.01		58.334
389.02		
389.05		58.336
389.14		58.342
389.24		58.348
389.34	22.186	58.354
389.44		58.36
389.54		58.366
389.64		58.372
389.74		58.377
389.84	22.187	58.383
389.94		58.389
390.		58.393
390.01		
390.02		58.394
390.05		58.396
390.14		58.401
390.24		58.407
390.34	22.188	58.412
390.44		58.418
390.54		58.424
390.64		58.429
390.74	22.189	58.435
390.84		58.44
390.94		58.446
391.		58.449
391.01		58.45
391.02		
391.05		58.452
391.14		58.457
391.24	22.19	58.463
391.34		58.468
391.44		58.474
391.54		58.48
391.64	22.191	58.486
391.74		58.492
391.84		58.498
391.94		58.504
392.	22.192	58.507
392.01		58.508
392.02		
392.05		58.51
392.14		58.516
392.24		58.521
392.34		58.527
392.44	22.193	58.533
392.54		58.539
392.64		58.545
392.74		58.551
392.84	22.194	58.557
392.94		58.563
393.		58.567
393.01		58.568
393.02		
393.05		58.57

393.14		58.575
393.24	22.195	58.581
393.34		58.587
393.44		58.593
393.54		58.599
393.64	22.196	58.605
393.74		58.611
393.84		58.617
393.94		58.623
394.	22.197	58.627
394.01		58.628
394.02		
394.05		58.63
394.14		58.635
394.24		58.641
394.34		58.647
394.44	22.198	58.653
394.54		58.659
394.64		58.665
394.74	22.199	58.671
394.84		58.677
394.94		58.683
395.		58.687
395.01		58.688
395.02		
395.05		58.69
395.14	22.2	58.695
395.24		58.702
395.34		58.708
395.44		58.714
395.54	22.201	58.72
395.64		58.726
395.74		58.733
395.84	22.202	58.739
395.94		58.745
396.		58.749
396.01		58.75
396.02		
396.05		58.752
396.14		58.758
396.24	22.203	58.764
396.34		58.771
396.44		58.777
396.54	22.204	58.784
396.64		58.79
396.74		58.797
396.84		58.804
396.94	22.205	58.81
397.		58.814
397.01		58.815
397.02		58.816
397.05		58.818
397.14		58.824
397.24	22.206	58.83
397.34		58.836
397.44		58.843
397.54	22.207	58.849
397.64		58.855
397.74		58.862
397.84		58.868

397.94	22.208	58.874
398.		58.878
398.01		58.879
398.02		
398.05		58.881
398.14		58.887
398.24	22.209	58.893
398.34		58.899
398.44		58.905
398.54	22.21	58.911
398.64		58.917
398.74		58.923
398.84		58.929
398.94	22.211	58.935
399.		58.939
399.01		
399.02		58.94
399.05		58.942
399.14		58.947
399.24	22.212	58.953
399.34		58.959
399.44		58.965
399.54	22.213	58.971
399.64		58.977
399.74		58.983
399.84	22.214	58.989
399.94		58.995
400.		58.999
400.01		
400.02		59.
400.05		59.002
400.14	22.215	59.007
400.24		59.013
400.34		59.019
400.44	22.216	59.025
400.54		59.031
400.64		59.037
400.74	22.217	59.043
400.84		59.049
400.94		59.055
401.		59.059
401.01		
401.02		59.06
401.05	22.218	59.062
401.14		59.067
401.24		59.073
401.34		59.079
401.44	22.219	59.086
401.54		59.092
401.64		59.098
401.74	22.22	59.104
401.84		59.11
401.94		59.116
402.	22.221	59.12
402.01		59.121
402.02		
402.05		59.123
402.14		59.129
402.24		59.135
402.34	22.222	59.141

402.44		59.147
402.54	22.223	59.153
402.64		59.16
402.74		59.166
402.84	22.224	59.172
402.94		59.178
403.		59.182
403.01		
403.02		59.183
403.05		59.185
403.14	22.225	59.19
403.24		59.196
403.34		59.202
403.44	22.226	59.208
403.54		59.215
403.64		59.221
403.74	22.227	59.227
403.84		59.233
403.94		59.239
404.	22.228	59.243
404.01		
404.02		59.244
404.05		59.246
404.14		59.251
404.24		59.257
404.34	22.229	59.263
404.44		59.27
404.54		59.276
404.64	22.23	59.282
404.74		59.288
404.84	22.231	59.294
404.94		59.3
405.		59.304
405.01		59.305
405.02		
405.05		59.307
405.14	22.232	59.313
405.24		59.319
405.34		59.325
405.44	22.233	59.332
405.54		59.338
405.64		59.344
405.74	22.234	59.351
405.84		59.357
405.94		59.363
406.	22.235	59.367
406.01		59.368
406.02		
406.05		59.37
406.14		59.376
406.24	22.236	59.382
406.34		59.389
406.44		59.395
406.54	22.237	59.401
406.64		59.408
406.74		59.414
406.84	22.238	59.42
406.94		59.427
407.		59.431
407.01		

407.02		59.432
407.05	22.239	59.434
407.14		59.44
407.24		59.446
407.34	22.24	59.452
407.44		59.458
407.54		59.464
407.64	22.241	59.47
407.74		59.477
407.84	22.242	59.483
407.94		59.489
408.		59.492
408.01		59.493
408.02		
408.05		
408.14	22.243	59.488
408.24		59.48
408.34		59.468
408.44	22.244	59.454
408.54		59.438
408.64	22.245	59.419
408.74		59.399
408.84		59.38
408.94	22.246	59.363
409.		59.354
409.01		59.352
409.02		59.351
409.05		59.347
409.14		59.337
409.24	22.247	59.327
409.34		59.319
409.44	22.248	59.311
409.54		59.305
409.64		59.299
409.74	22.249	59.293
409.84		59.287
409.94		59.282
410.		59.278
410.01		
410.02		59.277
410.05		59.276
410.14		59.271
410.24		59.266
410.34		59.26
410.44		59.255
410.54		59.25
410.64		59.244
410.74		59.239
410.84		59.234
410.94		59.229
411.		59.226
411.01		59.225
411.02		
411.05		59.223
411.14		59.218
411.24		59.213
411.34		59.208
411.44		59.203
411.54		59.198
411.64		59.193

411.74	59.189
411.84	59.184
411.94	59.179
412.	59.176
412.01	59.175
412.02	
412.05	59.174
412.14	59.169
412.24	59.164
412.34	59.16
412.44	59.155
412.54	59.15
412.64	59.145
412.74	59.141
412.84	59.136
412.94	59.131
413.	59.129
413.01	59.128
413.02	
413.05	59.126
413.14	59.122
413.24	59.118
413.34	59.113
413.44	59.108
413.54	59.104
413.64	59.099
413.74	59.095
413.84	59.09
413.94	59.086
414.	59.083
414.01	
414.02	59.082
414.05	59.081
414.14	59.077
414.24	59.073
414.34	59.068
414.44	59.064
414.54	59.059
414.64	59.055
414.74	59.051
414.84	59.047
414.94	59.042
415.	59.04
415.01	59.039
415.02	
415.05	59.038
415.14	59.034
415.24	59.03
415.34	59.026
415.44	59.022
415.54	59.017
415.64	59.013
415.74	59.009
415.84	59.005
415.94	59.001
416.	58.999
416.01	58.998
416.02	
416.05	58.997
416.14	58.993

416.24	58.989
416.34	58.985
416.44	58.981
416.54	58.977
416.64	58.973
416.74	58.969
416.84	58.965
416.94	58.961
417.	58.959
417.01	
417.02	58.958
417.05	58.957
417.14	58.954
417.24	58.95
417.34	58.946
417.44	58.942
417.54	58.938
417.64	58.934
417.74	58.93
417.84	58.927
417.94	58.923
418.	58.921
418.01	58.92
418.02	
418.05	58.919
418.14	58.915
418.24	58.912
418.34	58.908
418.44	58.904
418.54	58.9
418.64	58.896
418.74	58.893
418.84	58.889
418.94	58.885
419.	58.883
419.01	
419.02	58.882
419.05	58.881
419.14	58.878
419.24	58.874
419.34	58.87
419.44	58.866
419.54	58.863
419.64	58.859
419.74	58.855
419.84	58.851
419.94	58.848
420.	58.845
420.01	
420.02	
420.05	58.843
420.14	58.84
420.24	58.836
420.34	58.833
420.44	58.829
420.54	58.825
420.64	58.821
420.74	58.818
420.84	58.814
420.94	58.81

421.	58.808
421.01	
421.02	58.807
421.05	58.806
421.14	58.803
421.24	58.799
421.34	58.795
421.44	58.792
421.54	58.788
421.64	58.784
421.74	58.781
421.84	58.777
421.94	58.773
422.	58.771
422.01	
422.02	58.77
422.05	58.769
422.14	58.766
422.24	58.762
422.34	58.758
422.44	58.755
422.54	58.751
422.64	58.748
422.74	58.744
422.84	58.74
422.94	58.737
423.	58.734
423.01	
423.02	
423.05	58.733
423.14	58.729
423.24	58.726
423.34	58.722
423.44	58.718
423.54	58.715
423.64	58.711
423.74	58.708
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423.94	58.7
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430.02	

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432.64	58.388
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433.44	58.359
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433.74	58.349
433.84	58.345
433.94	58.342
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434.74	58.314

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437.02	
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437.34	58.229
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437.64	58.219
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438.94	58.177
439.	58.175
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439.05	58.173
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480.84	56.868
480.94	56.866

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483.84	56.787
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485.74	56.737
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486.64	56.714
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494.14	56.5
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494.74	56.482

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495.02	
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496.44	56.432
496.54	56.429
496.64	56.426
496.74	56.423
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6060.	19.351	25.406
6168.	19.226	25.358
6276.	19.108	25.31
6396.	18.984	25.263
6516.	18.867	25.221
6636.	18.756	25.181
6756.	18.652	25.144
6876.	18.553	25.115
6996.	18.461	25.086
7116.	18.373	25.056
7200.	18.314	25.035
7212.	18.305	25.033
7224.	18.297	25.031
7260.	18.273	25.024
[illegible]		

	18.206	25.003
7476.	18.144	24.982
7596.	18.081	24.957
7716.	18.022	24.933
7836.	17.969	24.912
7956.	17.919	24.89
8076.	17.874	24.868
8196.	17.832	24.845
8316.	17.793	24.824
8400.	17.768	24.81
8412.	17.765	24.808
8424.	17.761	24.806
8460.	17.75	24.8
8568.	17.719	24.782
8676.	17.69	24.764
8796.	17.658	24.747
8916.	17.627	24.729
9036.	17.598	24.713
9156.	17.569	24.696
9276.	17.542	24.681
9396.	17.516	24.665
9516.	17.491	24.648
9600.	17.475	24.637
9612.	17.472	24.635
9624.	17.47	24.634
9660.	17.463	24.629
9768.	17.442	24.617
9888.	17.421	24.602
10008	17.4	24.587
10128	17.38	24.572
10248	17.361	24.56
10368	17.343	24.548
10488	17.324	24.535
10608	17.307	24.523
10728	17.291	24.511
10800	17.282	24.504

FIGURE 14
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Drum Content T

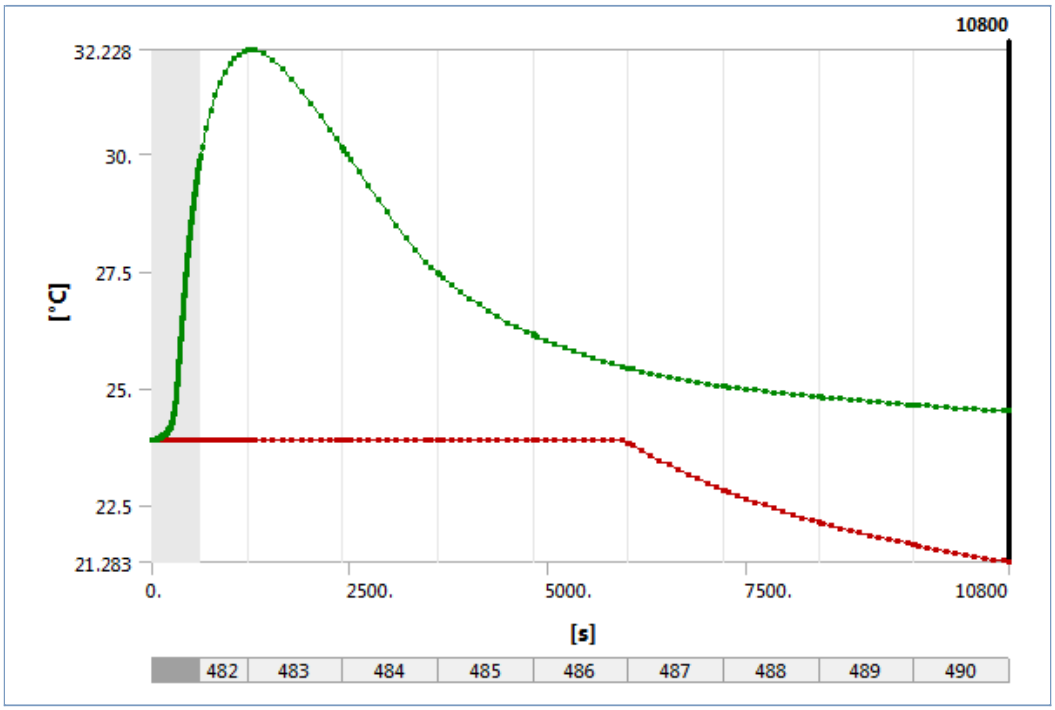

TABLE 25
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		

5.08			
5.28			
5.48			
5.68			
5.88			
6.			
6.02			
6.04			
6.1			
6.28			
6.48			
6.68			
6.88			
7.08			
7.28			
7.48			
7.68			
7.88			
8.			
8.02			
8.04			
8.1			
8.28			
8.48			
8.68			
8.88			
9.08			
9.28			
9.48			
9.68			
9.88			
10.			
10.02			
10.04			
10.1			
10.28			
10.48			
10.68			
10.88			
11.08			
11.28			
11.48			
11.68			
11.88			
12.			
12.02			
12.04			
12.1			
12.28			
12.48			
12.68			
12.88			
13.08			
13.28			
13.48			
13.68			
13.88			
14.			
14.02			
14.04			
14.1			

14.28
14.48
14.68
14.88
15.08
15.28
15.48
15.68
15.88
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.88
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68

24.			
24.02			
24.04			
24.1	23.89		
24.28			
24.48			
24.68			
24.88			

	23.89
25.08	
25.28	
25.48	
25.68	
25.88	
26.	
26.02	
26.04	
26.1	
26.28	
26.48	
26.68	
26.88	
27.08	
27.28	
27.48	
27.68	
27.88	23.891
28.	
28.02	
28.04	
28.1	
28.28	
28.48	
28.68	
28.88	
29.08	
29.28	
29.48	
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	
30.68	
30.88	
31.08	
31.28	
31.48	
31.68	
31.88	
32.	
32.02	
32.04	23.892
32.1	
32.28	
32.48	
32.68	
32.88	
33.08	
33.28	
33.48	
33.68	
33.88	
34.	
34.02	

34.04	
34.1	
34.28	
34.48	
34.68	
34.88	
35.08	
35.28	
35.48	
35.68	
35.88	23.893
36.	
36.02	
36.04	
36.1	
36.28	
36.48	
36.68	
36.88	
37.08	
37.28	
37.48	
37.68	
37.88	
38.	
38.02	
38.04	
38.1	
38.28	
38.48	
38.68	
38.88	23.894
39.08	
39.28	
39.48	
39.68	
39.88	
40.	
40.02	
40.04	
40.1	
40.28	
40.48	
40.68	
40.88	
41.08	
41.28	
41.48	
41.68	
41.88	
42.	23.895
42.02	
42.04	
42.1	
42.28	
42.48	
42.68	
42.88	
43.08	
43.28	

43.48	
43.68	
43.88	
44.	
44.02	
44.04	
44.1	
44.28	23.896
44.48	
44.68	
44.88	
45.08	
45.28	
45.48	
45.68	
45.88	
46.	
46.02	
46.04	
46.1	
46.28	
46.48	
46.68	
46.88	23.897
47.08	
47.28	
47.48	
47.68	
47.88	
48.	
48.02	
48.04	
48.1	
48.28	
48.48	
48.68	
48.88	
49.08	
49.28	
49.48	23.898
49.68	
49.88	
50.	
50.02	
50.04	
50.1	
50.28	
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	23.899
51.88	
52.	
52.02	
52.04	
52.1	
52.28	

52.48	
52.68	23.9
52.88	
53.08	
53.28	
53.48	
53.68	
53.88	
54.	
54.02	
54.04	
54.1	
54.28	
54.48	
54.68	23.901
54.88	
55.08	
55.28	
55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	
56.28	
56.48	
56.68	23.902
56.88	
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
58.1	
58.28	
58.48	23.903
58.68	
58.88	
59.08	
59.28	
59.48	
59.68	
59.88	
60.	
60.02	
60.04	
60.1	
60.28	23.904
60.48	
60.68	
60.88	
61.08	
61.28	
61.48	
61.68	
61.88	

62.	23.905
62.02	
62.04	
62.1	
62.28	
62.48	
62.68	
62.88	
63.08	
63.28	
63.48	
63.68	
63.88	23.906
64.	
64.02	
64.04	
64.1	
64.28	
64.48	
64.68	
64.88	
65.08	
65.28	
65.48	23.907
65.68	
65.88	
66.	
66.02	
66.04	
66.1	
66.28	
66.48	
66.68	
66.88	
67.08	23.908
67.28	
67.48	
67.68	
67.88	
68.	
68.02	
68.04	
68.1	
68.28	
68.48	23.909
68.68	
68.88	
69.08	
69.28	
69.48	
69.68	
69.88	23.91
70.	
70.02	
70.04	
70.1	
70.28	
70.48	
70.68	
70.88	

71.08	
71.28	
71.48	23.911
71.68	
71.88	
72.	
72.02	
72.04	
72.1	
72.28	
72.48	
72.68	23.912
72.88	
73.08	
73.28	
73.48	
73.68	
73.88	
74.	
74.02	23.913
74.04	
74.1	
74.28	
74.48	
74.68	
74.88	
75.08	
75.28	
75.48	23.914
75.68	
75.88	
76.	
76.02	
76.04	
76.1	
76.28	
76.48	
76.68	23.915
76.88	
77.08	
77.28	
77.48	
77.68	
77.88	23.916
78.	
78.02	
78.04	
78.1	
78.28	
78.48	
78.68	
78.88	
79.08	23.917
79.28	
79.48	
79.68	
79.88	
80.	
80.02	
80.04	

80.1	
80.28	23.918
80.48	
80.68	
80.88	
81.08	
81.28	
81.48	23.919
81.68	
81.88	
82.	
82.02	
82.04	
82.1	
82.28	
82.48	
82.68	23.92
82.88	
83.08	
83.28	
83.48	
83.68	
83.88	23.921
84.	
84.02	
84.04	
84.1	
84.28	
84.48	
84.68	
84.88	
85.08	23.922
85.28	
85.48	
85.68	
85.88	
86.	
86.02	23.923
86.04	
86.1	
86.28	
86.48	
86.68	
86.88	
87.08	
87.28	23.924
87.48	
87.68	
87.88	
88.	
88.02	
88.04	
88.1	
88.28	23.925
88.48	
88.68	
88.88	
89.08	
89.28	
89.48	

89.68	
89.88	
90.	
90.02	23.926
90.04	
90.1	
90.28	
90.48	
90.68	
90.88	23.927
91.08	
91.28	
91.48	
91.68	
91.88	
92.	
92.02	23.928
92.04	
92.1	
92.28	
92.48	
92.68	
92.88	
93.08	23.929
93.28	
93.48	
93.68	
93.88	
94.	
94.02	
94.04	23.93
94.1	
94.28	
94.48	
94.68	
94.88	
95.08	
95.28	23.931
95.48	
95.68	
95.88	
96.	
96.02	
96.04	23.932
96.1	
96.28	
96.48	
96.68	
96.88	
97.08	
97.28	23.933
97.48	
97.68	
97.88	
98.	
98.02	
98.04	23.934
98.1	
98.28	
98.48	

98.68	
98.88	23.935
99.08	
99.28	
99.48	
99.68	
99.88	
100.	23.936
100.02	
100.04	
100.1	
100.28	
100.48	
100.68	
100.88	
101.08	23.937
101.28	
101.48	
101.68	
101.88	
102.	23.938
102.02	
102.04	
102.1	
102.28	
102.48	
102.68	
102.88	
103.08	23.939
103.28	
103.48	
103.68	
103.88	
104.	23.94
104.02	
104.04	
104.1	
104.28	
104.48	
104.68	
104.88	
105.08	23.941
105.28	
105.48	
105.68	
105.88	
106.	23.942
106.02	
106.04	
106.1	
106.28	
106.48	
106.68	
106.88	
107.08	23.943
107.28	
107.48	
107.68	
107.88	
108.	

108.02	23.944
108.04	
108.1	
108.28	
108.48	
108.68	
108.88	23.945
109.08	
109.28	
109.48	
109.68	
109.88	23.946
110.	
110.02	
110.04	
110.1	
110.28	
110.48	
110.68	
110.88	23.947
111.08	
111.28	
111.48	
111.68	
111.88	23.948
112.	
112.02	
112.04	
112.1	
112.28	
112.48	
112.68	23.949
112.88	
113.08	
113.28	
113.48	
113.68	23.95
113.88	
114.	
114.02	
114.04	
114.1	
114.28	
114.48	
114.68	23.951
114.88	
115.08	
115.28	
115.48	23.952
115.68	
115.88	
116.	
116.02	
116.04	
116.1	
116.28	
116.48	23.953
116.68	
116.88	
117.08	

117.28	
117.48	23.954
117.68	
117.88	
118.	
118.02	
118.04	
118.1	
118.28	23.955
118.48	
118.68	
118.88	
119.08	
119.28	23.956
119.48	
119.68	
119.88	
120.	
120.02	
120.04	
120.1	23.957
120.28	
120.48	
120.68	
120.88	
121.08	23.958
121.28	
121.48	
121.68	
121.88	23.959
122.	
122.02	
122.04	
122.1	
122.28	
122.48	
122.68	
122.88	23.96
123.08	
123.28	
123.48	
123.68	23.961
123.88	
124.	
124.02	
124.04	
124.1	
124.28	
124.48	
124.68	23.962
124.88	
125.08	
125.28	
125.48	23.963
125.68	
125.88	
126.	
126.02	
126.04	
126.1	

126.28	23.964
126.48	
126.68	
126.88	
127.08	
127.28	23.965
127.48	
127.68	
127.88	
128.	
128.02	23.966
128.04	
128.1	
128.28	
128.48	
128.68	
128.88	23.967
129.08	
129.28	
129.48	
129.68	
129.88	23.968
130.	
130.02	
130.04	
130.1	
130.28	
130.48	
130.68	23.969
130.88	
131.08	
131.28	
131.48	23.97
131.68	
131.88	
132.	
132.02	
132.04	
132.1	
132.28	23.971
132.48	
132.68	
132.88	
133.08	
133.28	23.972
133.48	
133.68	
133.88	
134.	23.973
134.02	
134.04	
134.1	
134.28	
134.48	
134.68	
134.88	23.974
135.08	
135.28	
135.48	
135.68	

135.88	23.975
136.	
136.02	
136.04	
136.1	
136.28	
136.48	23.976
136.68	
136.88	
137.08	
137.28	23.977
137.48	
137.68	
137.88	
138.	
138.02	
138.04	
138.1	23.978
138.28	
138.48	
138.68	
138.88	
139.08	23.979
139.28	
139.48	
139.68	
139.88	23.98
140.	
140.02	
140.04	
140.1	
140.28	
140.48	
140.68	23.981
140.88	
141.08	
141.28	
141.48	23.982
141.68	
141.88	
142.	
142.02	
142.04	
142.1	23.983
142.28	
142.48	
142.68	
142.88	
143.08	23.984
143.28	
143.48	
143.68	23.985
143.88	
144.	
144.02	
144.04	
144.1	
144.28	
144.48	23.986
144.68	

144.88	
145.08	
145.28	23.987
145.48	
145.68	
145.88	
146.	23.988
146.02	
146.04	
146.1	
146.28	
146.48	
146.68	
146.88	23.989
147.08	
147.28	
147.48	
147.68	23.99
147.88	
148.	
148.02	
148.04	
148.1	
148.28	23.991
148.48	
148.68	
148.88	
149.08	23.992
149.28	
149.48	
149.68	
149.88	23.993
150.	
150.02	
150.04	
150.1	
150.28	
150.48	
150.68	23.994
150.88	
151.08	
151.28	23.995
151.48	
151.68	
151.88	
152.	23.996
152.02	
152.04	
152.1	
152.28	
152.48	
152.68	
152.88	23.997
153.08	
153.28	
153.48	23.998
153.68	
153.88	
154.	
154.02	

154.04	
154.1	
154.28	23.999
154.48	
154.68	
154.88	
155.08	24.
155.28	
155.48	
155.68	24.001
155.88	
156.	
156.02	
156.04	
156.1	
156.28	
156.48	24.002
156.68	
156.88	
157.08	24.003
157.28	
157.48	
157.68	
157.88	24.004
158.	
158.02	
158.04	
158.1	
158.28	
158.48	24.005
158.68	
158.88	
159.08	
159.28	24.006
159.48	
159.68	
159.88	24.007
160.	
160.01	
160.02	
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160.14	
160.24	
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160.44	
160.54	24.008
160.64	
160.74	
160.84	
160.94	
161.	
161.01	
161.02	
161.05	
161.14	24.009
161.24	
161.34	
161.44	
161.54	
161.64	

161.74	
161.84	24.01
161.94	
162.	
162.01	
162.02	
162.05	
162.14	
162.24	
162.34	
162.44	
162.54	24.011
162.64	
162.74	
162.84	
162.94	
163.	
163.01	
163.02	
163.05	
163.14	24.012
163.24	
163.34	
163.44	
163.54	
163.64	
163.74	
163.84	24.013
163.94	
164.	
164.01	
164.02	
164.05	
164.14	
164.24	
164.34	
164.44	24.014
164.54	
164.64	
164.74	
164.84	
164.94	
165.	
165.01	
165.02	
165.05	
165.14	24.015
165.24	
165.34	
165.44	
165.54	
165.64	
165.74	24.016
165.84	
165.94	
166.	
166.01	
166.02	
166.05	
166.14	

166.24	
166.34	
166.44	24.017
166.54	
166.64	
166.74	
166.84	
166.94	
167.	24.018
167.01	
167.02	
167.05	
167.14	
167.24	
167.34	
167.44	
167.54	
167.64	24.019
167.74	
167.84	
167.94	
168.	
168.01	
168.02	
168.05	
168.14	
168.24	24.02
168.34	
168.44	
168.54	
168.64	
168.74	
168.84	
168.94	24.021
169.	
169.01	
169.02	
169.05	
169.14	
169.24	
169.34	
169.44	
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263.44	24.342
263.54	
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263.74	24.344
263.84	24.345
263.94	24.346
264.	
264.01	
264.02	
264.05	24.347
264.14	
264.24	24.348
264.34	24.349
264.44	24.35
264.54	24.351
264.64	24.352
264.74	24.353
264.84	
264.94	24.354
265.	24.355
265.01	
265.02	
265.05	
265.14	24.356
265.24	24.357
265.34	24.358
265.44	24.359
265.54	
265.64	24.36
265.74	24.361
265.84	24.362
265.94	24.363
266.	
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266.02	
266.05	
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266.34	
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266.54	24.368
266.64	24.369
266.74	24.37
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266.94	24.372
267.	
267.01	
267.02	
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267.14	
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267.34	24.375
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267.54	24.377
267.64	24.378
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267.84	24.38

267.94	
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268.01	
268.02	
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268.94	
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269.94	
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271.94	
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272.94	24.427
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277.94	24.478
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278.01	
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278.05	
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280.74	24.507
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280.94	24.509
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281.05	
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281.44	24.515
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281.64	24.517

281.74	24.518
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281.94	24.52
282.	24.521
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282.05	
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282.24	24.523
282.34	24.524
282.44	24.525
282.54	24.526
282.64	24.527
282.74	24.528
282.84	24.53
282.94	24.531
283.	
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283.02	
283.05	24.532
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283.24	24.534
283.34	24.535
283.44	24.536
283.54	24.537
283.64	24.538
283.74	24.539
283.84	24.54
283.94	24.541
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284.02	
284.05	24.543
284.14	24.544
284.24	24.545
284.34	24.546
284.44	24.547
284.54	24.548
284.64	24.549
284.74	24.55
284.84	24.551
284.94	24.552
285.	24.553
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285.02	
285.05	24.554
285.14	24.555
285.24	24.556
285.34	24.557
285.44	24.558
285.54	24.559
285.64	24.56
285.74	24.561
285.84	24.562
285.94	24.563
286.	24.564
286.01	
286.02	
286.05	24.565
286.14	24.566

286.24	24.567
286.34	24.568
286.44	24.569
286.54	24.57
286.64	24.571
286.74	24.572
286.84	24.574
286.94	24.575
287.	
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287.05	
287.14	24.577
287.24	24.578
287.34	24.579
287.44	24.58
287.54	24.582
287.64	24.583
287.74	24.584
287.84	24.585
287.94	24.586
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288.05	
288.14	24.588
288.24	24.59
288.34	24.591
288.44	24.592
288.54	24.593
288.64	24.594
288.74	24.595
288.84	24.597
288.94	24.598
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289.44	24.604
289.54	24.605
289.64	24.606
289.74	24.607
289.84	24.608
289.94	24.61
290.	
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290.02	
290.05	24.611
290.14	24.612
290.24	24.613
290.34	24.614
290.44	24.615
290.54	24.617
290.64	24.618
290.74	24.619
290.84	24.62
290.94	24.621

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291.02	
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291.24	24.625
291.34	24.626
291.44	24.628
291.54	24.629
291.64	24.63
291.74	24.631
291.84	24.632
291.94	
292.	24.634
292.01	
292.02	24.635
292.05	
292.14	24.636
292.24	24.637
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292.44	24.64
292.54	24.641
292.64	24.642
292.74	24.643
292.84	24.645
292.94	24.646
293.	
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293.02	
293.05	
293.14	24.648
293.24	24.649
293.34	24.651
293.44	24.652
293.54	24.653
293.64	24.654
293.74	24.656
293.84	24.657
293.94	24.658
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294.02	
294.05	24.66
294.14	24.661
294.24	24.662
294.34	24.663
294.44	24.664
294.54	24.666
294.64	24.667
294.74	24.668
294.84	24.669
294.94	24.671
295.	
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295.02	
295.05	
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295.24	24.674
295.34	24.676
295.44	24.677

295.54	24.678
295.64	24.679
295.74	24.681
295.84	24.682
295.94	24.683
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296.01	
296.02	
296.05	24.685
296.14	24.686
296.24	24.687
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296.44	24.69
296.54	24.691
296.64	24.692
296.74	24.694
296.84	24.695
296.94	24.696
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298.94	24.724
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299.05	
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299.64	24.734
299.74	24.735
299.84	24.737
299.94	24.738
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300.02	

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300.24	24.743
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301.	
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301.02	
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301.24	24.757
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301.44	24.76
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301.64	24.763
301.74	24.765
301.84	24.767
301.94	24.768
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302.02	
302.05	24.77
302.14	24.771
302.24	24.773
302.34	24.774
302.44	24.776
302.54	24.777
302.64	24.779
302.74	24.78
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302.94	24.784
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303.05	
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303.44	24.792
303.54	24.793
303.64	24.795
303.74	24.796
303.84	24.798
303.94	24.8
304.	
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304.02	
304.05	
304.14	24.803
304.24	24.805
304.34	24.806
304.44	24.808
304.54	24.81
304.64	24.811
304.74	24.813

304.84	24.815
304.94	24.816
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305.01	24.818
305.02	
305.05	
305.14	24.82
305.24	24.822
305.34	24.823
305.44	24.825
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306.02	
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306.84	24.85
306.94	24.852
307.	24.853
307.01	24.854
307.02	
307.05	
307.14	24.856
307.24	24.858
307.34	24.86
307.44	24.862
307.54	24.864
307.64	24.866
307.74	24.868
307.84	24.869
307.94	24.871
308.	24.873
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308.02	
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308.94	24.891
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309.02	
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309.24	24.897

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311.02	
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311.94	24.951
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313.64	24.985
313.74	24.988
313.84	24.99
313.94	24.992
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321.94	25.164
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322.02	
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322.64	25.179
322.74	25.181
322.84	25.183
322.94	25.186
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323.01	
323.02	
323.05	25.188

323.14	25.19
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327.02	
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327.74	25.292
327.84	25.294

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330.94	25.362
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335.24	25.457
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335.54	25.464
335.64	25.466
335.74	25.468
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335.94	25.472
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336.01	
336.02	
336.05	25.475
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337.44	25.505
337.54	25.508
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337.74	25.512
337.84	25.514
337.94	25.516
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338.64	25.532
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339.02	
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339.94	25.56
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340.02	
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340.24	25.567
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340.64	25.576
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340.94	25.582
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341.64	25.597

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342.74	25.621
342.84	25.624
342.94	25.626
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343.01	
343.02	
343.05	25.628
343.14	25.63
343.24	25.632
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343.44	25.637
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343.74	25.643
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343.94	25.648
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344.02	
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347.14	25.717
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347.74	25.73
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350.14	25.782
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350.94	25.799

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351.64	25.815
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351.94	25.821
352.	25.822
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352.02	25.823
352.05	
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352.34	25.83
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353.02	
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373.94	26.293
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383.05	

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386.54	26.562
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387.02	
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394.01	
394.02	
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395.02	
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395.74	26.758
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395.94	26.762
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406.94	26.996
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410.	
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410.02	
410.05	27.063
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410.94	27.082

411.	
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411.02	
411.05	27.084
411.14	27.086
411.24	27.088
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411.44	27.092
411.54	27.094
411.64	27.096
411.74	27.098
411.84	27.101
411.94	27.103
412.	
412.01	27.104
412.02	
412.05	27.105
412.14	27.107
412.24	27.109
412.34	27.111
412.44	27.113
412.54	27.115
412.64	27.117
412.74	27.119
412.84	27.122
412.94	27.124
413.	
413.01	27.125
413.02	
413.05	27.126
413.14	27.128
413.24	27.13
413.34	27.132
413.44	27.134
413.54	27.136
413.64	27.138
413.74	27.14
413.84	27.142
413.94	27.145
414.	
414.01	27.146
414.02	
414.05	27.147
414.14	27.149
414.24	27.151
414.34	27.153
414.44	27.155
414.54	27.157
414.64	27.159
414.74	27.161
414.84	27.163
414.94	27.165
415.	
415.01	27.167
415.02	
415.05	27.168
415.14	27.169
415.24	27.171
415.34	27.174
415.44	27.176

415.54	27.178
415.64	27.18
415.74	27.182
415.84	27.184
415.94	27.186
416.	27.187
416.01	
416.02	27.188
416.05	
416.14	27.19
416.24	27.192
416.34	27.194
416.44	27.196
416.54	27.198
416.64	27.2
416.74	27.202
416.84	27.204
416.94	27.206
417.	27.208
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417.02	
417.05	27.209
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417.24	27.213
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417.44	27.217
417.54	27.219
417.64	27.221
417.74	27.223
417.84	27.225
417.94	27.227
418.	27.228
418.01	
418.02	27.229
418.05	
418.14	27.231
418.24	27.233
418.34	27.235
418.44	27.237
418.54	27.239
418.64	27.241
418.74	27.243
418.84	27.245
418.94	27.247
419.	27.249
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419.02	
419.05	27.25
419.14	27.251
419.24	27.253
419.34	27.255
419.44	27.257
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419.64	27.261
419.74	27.263
419.84	27.266
419.94	27.268
420.	27.269
420.01	
420.02	

420.05	27.27
420.14	27.272
420.24	27.274
420.34	27.276
420.44	27.278
420.54	27.28
420.64	27.282
420.74	27.284
420.84	27.286
420.94	27.288
421.	27.289
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421.02	
421.05	27.29
421.14	27.292
421.24	27.294
421.34	27.296
421.44	27.298
421.54	27.3
421.64	27.302
421.74	27.304
421.84	27.306
421.94	27.308
422.	27.309
422.01	
422.02	
422.05	27.31
422.14	27.312
422.24	27.314
422.34	27.316
422.44	27.318
422.54	27.32
422.64	27.322
422.74	27.324
422.84	27.326
422.94	27.328
423.	27.329
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423.02	
423.05	27.33
423.14	27.332
423.24	27.334
423.34	27.336
423.44	27.338
423.54	27.34
423.64	27.342
423.74	27.344
423.84	27.346
423.94	27.348
424.	27.349
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424.02	
424.05	27.35
424.14	27.352
424.24	27.353
424.34	27.355
424.44	27.357
424.54	27.359
424.64	27.361
424.74	27.363

424.84	27.365
424.94	27.367
425.	27.368
425.01	27.369
425.02	
425.05	
425.14	27.371
425.24	27.373
425.34	27.375
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425.54	27.379
425.64	27.381
425.74	27.383
425.84	27.385
425.94	27.387
426.	27.388
426.01	
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426.05	
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426.34	27.395
426.44	27.397
426.54	27.399
426.64	27.401
426.74	27.403
426.84	27.405
426.94	27.407
427.	27.408
427.01	
427.02	
427.05	27.409
427.14	27.41
427.24	27.412
427.34	27.414
427.44	27.416
427.54	27.418
427.64	27.42
427.74	27.422
427.84	27.424
427.94	27.426
428.	27.427
428.01	
428.02	27.428
428.05	
428.14	27.43
428.24	27.432
428.34	27.434
428.44	27.436
428.54	27.438
428.64	27.44
428.74	27.442
428.84	27.443
428.94	27.445
429.	27.447
429.01	
429.02	
429.05	27.448
429.14	27.449
429.24	27.451

429.34	27.453
429.44	27.455
429.54	27.457
429.64	27.459
429.74	27.461
429.84	27.463
429.94	27.465
430.	27.466
430.01	
430.02	
430.05	27.467
430.14	27.469
430.24	27.47
430.34	27.472
430.44	27.474
430.54	27.476
430.64	27.478
430.74	27.48
430.84	27.482
430.94	27.484
431.	27.485
431.01	
431.02	
431.05	27.486
431.14	27.488
431.24	27.49
431.34	27.492
431.44	27.493
431.54	27.495
431.64	27.497
431.74	27.499
431.84	27.501
431.94	27.503
432.	27.504
432.01	
432.02	27.505
432.05	
432.14	27.507
432.24	27.509
432.34	27.511
432.44	27.513
432.54	27.514
432.64	27.516
432.74	27.518
432.84	27.52
432.94	27.522
433.	27.523
433.01	
433.02	27.524
433.05	
433.14	27.526
433.24	27.528
433.34	27.53
433.44	27.532
433.54	27.533
433.64	27.535
433.74	27.537
433.84	27.539
433.94	27.541
434.	27.542

434.01	
434.02	27.543
434.05	
434.14	27.545
434.24	27.547
434.34	27.549
434.44	27.55
434.54	27.552
434.64	27.554
434.74	27.556
434.84	27.558
434.94	27.56
435.	
435.01	27.561
435.02	
435.05	27.562
435.14	27.564
435.24	27.565
435.34	27.567
435.44	27.569
435.54	27.571
435.64	27.573
435.74	27.575
435.84	27.577
435.94	27.579
436.	
436.01	27.58
436.02	
436.05	27.581
436.14	27.582
436.24	27.584
436.34	27.586
436.44	27.588
436.54	27.59
436.64	27.592
436.74	27.594
436.84	27.595
436.94	27.597
437.	27.598
437.01	
437.02	27.599
437.05	
437.14	27.601
437.24	27.603
437.34	27.605
437.44	27.607
437.54	27.608
437.64	27.61
437.74	27.612
437.84	27.614
437.94	27.616
438.	
438.01	27.617
438.02	
438.05	27.618
438.14	27.62
438.24	27.621
438.34	27.623
438.44	27.625
438.54	27.627

438.64	27.629
438.74	27.631
438.84	27.633
438.94	27.634
439.	27.636
439.01	
439.02	
439.05	
439.14	27.638
439.24	27.64
439.34	27.642
439.44	27.644
439.54	27.645
439.64	27.647
439.74	27.649
439.84	27.651
439.94	27.653
440.	27.654
440.01	
440.02	
440.05	27.655
440.14	27.657
440.24	27.658
440.34	27.66
440.44	27.662
440.54	27.664
440.64	27.666
440.74	27.668
440.84	27.669
440.94	27.671
441.	27.672
441.01	
441.02	27.673
441.05	
441.14	27.675
441.24	27.677
441.34	27.678
441.44	27.68
441.54	27.682
441.64	27.684
441.74	27.686
441.84	27.688
441.94	27.689
442.	27.691
442.01	
442.02	
442.05	
442.14	27.693
442.24	27.695
442.34	27.697
442.44	27.699
442.54	27.7
442.64	27.702
442.74	27.704
442.84	27.706
442.94	27.708
443.	27.709
443.01	
443.02	
443.05	27.71

443.14	27.711
443.24	27.713
443.34	27.715
443.44	27.717
443.54	27.718
443.64	27.72
443.74	27.722
443.84	27.724
443.94	27.726
444.	27.727
444.01	
444.02	
444.05	27.728
444.14	27.729
444.24	27.731
444.34	27.733
444.44	27.735
444.54	27.737
444.64	27.738
444.74	27.74
444.84	27.742
444.94	27.744
445.	27.745
445.01	
445.02	
445.05	27.746
445.14	27.747
445.24	27.749
445.34	27.751
445.44	27.753
445.54	27.754
445.64	27.756
445.74	27.758
445.84	27.76
445.94	27.762
446.	27.763
446.01	
446.02	
446.05	27.764
446.14	27.765
446.24	27.767
446.34	27.769
446.44	27.771
446.54	27.772
446.64	27.774
446.74	27.776
446.84	27.778
446.94	27.779
447.	27.781
447.01	
447.02	
447.05	
447.14	27.783
447.24	27.785
447.34	27.787
447.44	27.788
447.54	27.79
447.64	27.792
447.74	27.794
447.84	27.795

447.94	27.797
448.	27.798
448.01	
448.02	27.799
448.05	
448.14	27.801
448.24	27.803
448.34	27.804
448.44	27.806
448.54	27.808
448.64	27.81
448.74	27.811
448.84	27.813
448.94	27.815
449.	27.816
449.01	
449.02	
449.05	27.817
449.14	27.818
449.24	27.82
449.34	27.822
449.44	27.824
449.54	27.826
449.64	27.827
449.74	27.829
449.84	27.831
449.94	27.833
450.	27.834
450.01	
450.02	
450.05	
450.14	27.836
450.24	27.838
450.34	27.84
450.44	27.841
450.54	27.843
450.64	27.845
450.74	27.847
450.84	27.848
450.94	27.85
451.	27.851
451.01	
451.02	
451.05	27.852
451.14	27.854
451.24	27.855
451.34	27.857
451.44	27.859
451.54	27.861
451.64	27.862
451.74	27.864
451.84	27.866
451.94	27.868
452.	27.869
452.01	
452.02	
452.05	
452.14	27.871
452.24	27.873
452.34	27.874

452.44	27.876
452.54	27.878
452.64	27.88
452.74	27.881
452.84	27.883
452.94	27.885
453.	27.886
453.01	
453.02	
453.05	27.887
453.14	27.888
453.24	27.89
453.34	27.892
453.44	27.894
453.54	27.895
453.64	27.897
453.74	27.899
453.84	27.9
453.94	27.902
454.	27.903
454.01	
454.02	27.904
454.05	
454.14	27.906
454.24	27.907
454.34	27.909
454.44	27.911
454.54	27.913
454.64	27.914
454.74	27.916
454.84	27.918
454.94	27.919
455.	27.92
455.01	27.921
455.02	
455.05	
455.14	27.923
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455.34	27.926
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455.64	27.931
455.74	27.933
455.84	27.935
455.94	27.937
456.	27.938
456.01	
456.02	
456.05	
456.14	27.94
456.24	27.942
456.34	27.943
456.44	27.945
456.54	27.947
456.64	27.949
456.74	27.95
456.84	27.952
456.94	27.954
457.	27.955
457.01	

457.02	
457.05	27.956
457.14	27.957
457.24	27.959
457.34	27.96
457.44	27.962
457.54	27.964
457.64	27.966
457.74	27.967
457.84	27.969
457.94	27.971
458.	27.972
458.01	
458.02	
458.05	27.973
458.14	27.974
458.24	27.976
458.34	27.977
458.44	27.979
458.54	27.981
458.64	27.983
458.74	27.984
458.84	27.986
458.94	27.988
459.	27.989
459.01	
459.02	
459.05	
459.14	27.991
459.24	27.993
459.34	27.994
459.44	27.996
459.54	27.998
459.64	27.999
459.74	28.001
459.84	28.003
459.94	28.004
460.	28.005
460.01	28.006
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460.05	
460.14	28.008
460.24	28.01
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460.54	28.015
460.64	28.016
460.74	28.018
460.84	28.02
460.94	28.021
461.	28.022
461.01	
461.02	28.023
461.05	
461.14	28.025
461.24	28.026
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461.44	28.03
461.54	28.031
461.64	28.033

461.74	28.035
461.84	28.036
461.94	28.038
462.	28.039
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462.02	
462.05	28.04
462.14	28.041
462.24	28.043
462.34	28.045
462.44	28.046
462.54	28.048
462.64	28.05
462.74	28.051
462.84	28.053
462.94	28.055
463.	28.056
463.01	
463.02	
463.05	28.057
463.14	28.058
463.24	28.06
463.34	28.061
463.44	28.063
463.54	28.065
463.64	28.066
463.74	28.068
463.84	28.07
463.94	28.071
464.	28.072
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464.02	28.073
464.05	
464.14	28.075
464.24	28.076
464.34	28.078
464.44	28.08
464.54	28.081
464.64	28.083
464.74	28.084
464.84	28.086
464.94	28.088
465.	28.089
465.01	
465.02	
465.05	28.09
465.14	28.091
465.24	28.093
465.34	28.094
465.44	28.096
465.54	28.098
465.64	28.099
465.74	28.101
465.84	28.103
465.94	28.104
466.	28.105
466.01	
466.02	28.106
466.05	
466.14	28.108

466.24	28.109
466.34	28.111
466.44	28.112
466.54	28.114
466.64	28.116
466.74	28.117
466.84	28.119
466.94	28.121
467.	28.122
467.01	
467.02	
467.05	
467.14	28.124
467.24	28.126
467.34	28.127
467.44	28.129
467.54	28.13
467.64	28.132
467.74	28.134
467.84	28.135
467.94	28.137
468.	28.138
468.01	
468.02	
468.05	28.139
468.14	28.14
468.24	28.142
468.34	28.143
468.44	28.145
468.54	28.147
468.64	28.148
468.74	28.15
468.84	28.152
468.94	28.153
469.	28.154
469.01	
469.02	
469.05	28.155
469.14	28.156
469.24	28.158
469.34	28.16
469.44	28.161
469.54	28.163
469.64	28.165
469.74	28.166
469.84	28.168
469.94	28.169
470.	28.17
470.01	28.171
470.02	
470.05	
470.14	28.173
470.24	28.174
470.34	28.176
470.44	28.177
470.54	28.179
470.64	28.181
470.74	28.182
470.84	28.184
470.94	28.186

471.	
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471.02	
471.05	
471.14	28.189
471.24	28.19
471.34	28.192
471.44	28.194
471.54	28.195
471.64	28.197
471.74	28.198
471.84	28.2
471.94	28.202
472.	28.203
472.01	
472.02	
472.05	
472.14	28.205
472.24	28.206
472.34	28.208
472.44	28.21
472.54	28.211
472.64	28.213
472.74	28.214
472.84	28.216
472.94	28.218
473.	28.219
473.01	
473.02	
473.05	
473.14	28.221
473.24	28.222
473.34	28.224
473.44	28.226
473.54	28.227
473.64	28.229
473.74	28.23
473.84	28.232
473.94	28.234
474.	
474.01	28.235
474.02	
474.05	
474.14	28.237
474.24	28.238
474.34	28.24
474.44	28.241
474.54	28.243
474.64	28.245
474.74	28.246
474.84	28.248
474.94	28.249
475.	28.25
475.01	28.251
475.02	
475.05	
475.14	28.253
475.24	28.254
475.34	28.256
475.44	28.257

475.54	28.259
475.64	28.26
475.74	28.262
475.84	28.264
475.94	28.265
476.	28.266
476.01	
476.02	
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476.24	28.27
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476.54	28.275
476.64	28.276
476.74	28.278
476.84	28.279
476.94	28.281
477.	28.282
477.01	
477.02	
477.05	28.283
477.14	28.284
477.24	28.286
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477.54	28.29
477.64	28.292
477.74	28.294
477.84	28.295
477.94	28.297
478.	28.298
478.01	
478.02	
478.05	
478.14	28.3
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478.44	28.305
478.54	28.306
478.64	28.308
478.74	28.309
478.84	28.311
478.94	28.312
479.	28.313
479.01	
479.02	28.314
479.05	
479.14	28.315
479.24	28.317
479.34	28.319
479.44	28.32
479.54	28.322
479.64	28.323
479.74	28.325
479.84	28.326
479.94	28.328
480.	28.329
480.01	
480.02	

480.05	28.33
480.14	28.331
480.24	28.333
480.34	28.334
480.44	28.336
480.54	28.337
480.64	28.339
480.74	28.34
480.84	28.342
480.94	28.343
481.	28.344
481.01	28.345
481.02	
481.05	
481.14	28.347
481.24	28.348
481.34	28.35
481.44	28.351
481.54	28.353
481.64	28.354
481.74	28.356
481.84	28.357
481.94	28.359
482.	28.36
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482.02	
482.05	28.361
482.14	28.362
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482.54	28.368
482.64	28.37
482.74	28.371
482.84	28.373
482.94	28.374
483.	28.375
483.01	
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483.05	
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483.24	28.379
483.34	28.38
483.44	28.382
483.54	28.384
483.64	28.385
483.74	28.387
483.84	28.388
483.94	28.39
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484.01	
484.02	
484.05	
484.14	28.393
484.24	28.394
484.34	28.396
484.44	28.397
484.54	28.399
484.64	28.4
484.74	28.402

484.84	28.403
484.94	28.405
485.	28.406
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485.24	28.41
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485.44	28.413
485.54	28.414
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485.84	28.419
485.94	28.42
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486.64	28.431
486.74	28.432
486.84	28.434
486.94	28.435
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487.64	28.446
487.74	28.447
487.84	28.449
487.94	28.45
488.	28.451
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488.54	28.46
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488.84	28.464
488.94	28.466
489.	
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489.24	28.47

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498.54	28.607

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499.54	28.622
499.64	28.623
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503.05	

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516.54	28.86
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516.74	28.862
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521.64	28.928

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523.54	28.953
523.64	28.955
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523.94	28.959
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559.05	29.395
559.14	29.396
559.24	29.397
559.34	29.398
559.44	29.399
559.54	29.4
559.64	29.402
559.74	29.403
559.84	29.404
559.94	29.405
560.	29.406
560.4	29.41
560.8	29.415
562.	29.429
565.6	29.47
569.6	29.516
573.6	29.561
577.6	29.605
581.6	29.649
585.6	29.692
589.6	29.735
593.6	29.777
597.6	29.819
600.	29.843
606.	29.904
612.	29.964
630.	30.137
684.	30.567
738.	30.93

	23.889	
798.	23.89	31.262
858.		31.532
918.		31.747
978.		31.915
1038.		32.041
1098.		32.13
1158.		32.186
1200.		32.21
1212.		32.218
1224.		32.224
1260.		32.228
1296.		32.224
1404.		32.152
1524.		32.013
1644.		31.825
1764.		31.602
1884.		31.353
2004.		31.084
2124.		30.802
2244.		30.511
2322.		30.319
2400.		30.125
2412.		30.096
2424.		30.067
2460.		29.977
2496.		29.887
2604.		29.619
2724.		29.324
2844.		29.033
2964.		28.748
3084.		28.468
3204.		28.195
3324.		27.929
3444.		27.705
3522.		27.582
3600.		27.46
3612.		27.442
3624.		27.423
3660.		27.368
3768.		27.203
3876.		27.04
3996.		26.908
4116.	23.891	26.779
4236.		26.649
4356.		26.523
4476.		26.4
4596.		26.3
4716.		26.207
4800.		26.142
4812.		26.133
4824.		26.124
4860.		26.096
4968.	23.892	26.011
5076.		25.929
5196.		25.856
5316.		25.787
5436.		25.718
5556.	23.893	25.649
5676.		25.582

5796.		25.521
5916.	23.894	25.469
6000.	23.826	25.432
6012.	23.814	25.427
6024.	23.803	25.422
6060.	23.768	25.406
6168.	23.664	25.358
6276.	23.563	25.31
6396.	23.456	25.263
6516.	23.352	25.221
6636.	23.252	25.181
6756.	23.155	25.144
6876.	23.062	25.115
6996.	22.972	25.086
7116.	22.885	25.056
7200.	22.826	25.035
7212.	22.817	25.033
7224.	22.809	25.031
7260.	22.784	25.024
7368.	22.712	25.003
7476.	22.641	24.982
7596.	22.566	24.957
7716.	22.494	24.933
7836.	22.424	24.912
7956.	22.357	24.89
8076.	22.292	24.868
8196.	22.23	24.845
8316.	22.171	24.824
8400.	22.131	24.81
8412.	22.125	24.808
8424.	22.119	24.806
8460.	22.102	24.8
8568.	22.053	24.782
8676.	22.005	24.764
8796.	21.953	24.747
8916.	21.903	24.729
9036.	21.855	24.713
9156.	21.808	24.696
9276.	21.762	24.681
9396.	21.718	24.665
9516.	21.675	24.648
9600.	21.646	24.637
9612.	21.642	24.635
9624.	21.638	24.634
9660.	21.625	24.629
9768.	21.59	24.617
9888.	21.551	24.602
10008	21.513	24.587
10128	21.476	24.572
10248	21.44	24.56
10368	21.405	24.548
10488	21.369	24.535
10608	21.336	24.523
10728	21.303	24.511
10800	21.283	24.504

FIGURE 15
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Permacon T

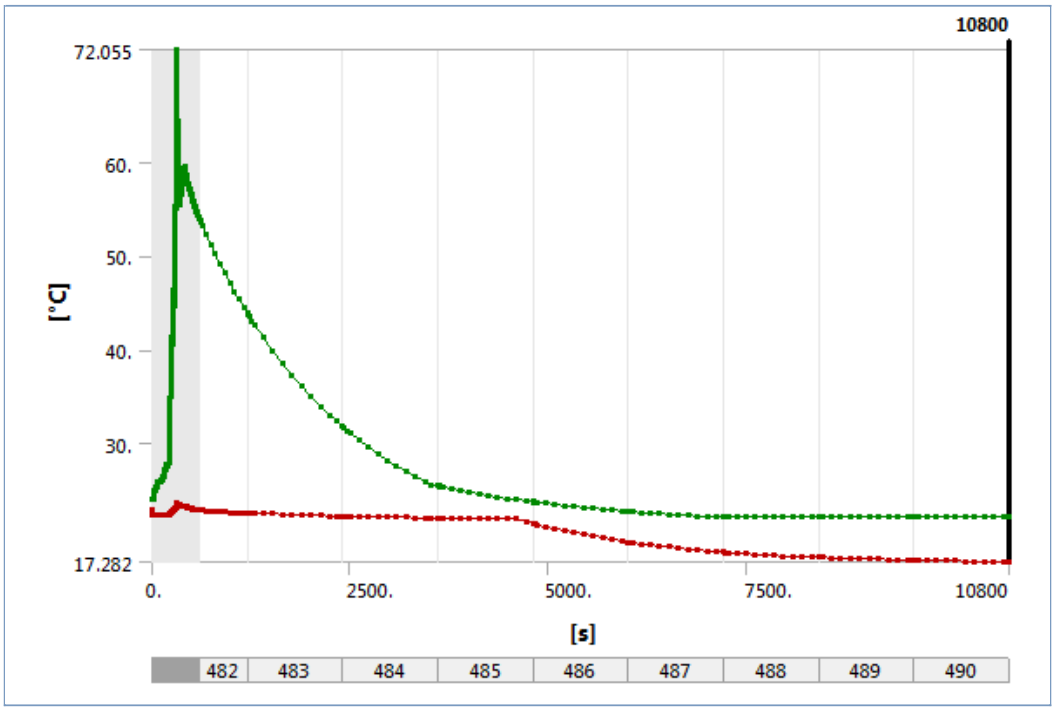

TABLE 26
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.847	24.005
4.e-002	22.636	24.031
0.1	22.512	24.011
0.28	22.443	24.032
0.48	22.417	24.036
0.68	22.403	24.035
0.88	22.394	24.032
1.08	22.387	24.028
1.28	22.382	24.023
1.48	22.378	24.018
1.68	22.374	24.013
1.88	22.371	24.008
2.	22.37	24.005
2.02		24.004
2.04	22.369	24.003
2.1		24.002
2.28	22.366	23.997
2.48	22.364	23.991
2.68	22.362	23.986
2.88	22.361	23.98
3.08	22.359	23.975
3.28	22.357	23.97
3.48	22.356	23.964
3.68	22.355	23.96
3.88	22.353	23.959
4.		
4.02	22.352	
4.04		
4.1		
4.28	22.351	23.958
4.48	22.35	23.957
4.68	22.349	
4.88	22.348	23.956

5.08	22.346	23.955
5.28	22.345	
5.48	22.344	23.954
5.68		
5.88	22.343	
6.	22.342	
6.02		
6.04		
6.1		
6.28	22.341	
6.48	22.34	23.953
6.68	22.339	
6.88	22.338	
7.08		
7.28	22.337	
7.48	22.336	23.952
7.68	22.335	
7.88	22.334	
8.		
8.02		
8.04		
8.1		23.951
8.28	22.333	
8.48	22.332	
8.68		23.95
8.88	22.331	
9.08	22.33	
9.28		23.949
9.48	22.329	
9.68		23.948
9.88	22.328	
10.		
10.02	22.327	
10.04		
10.1		
10.28		23.947
10.48	22.326	
10.68		23.946
10.88	22.325	
11.08		23.945
11.28	22.324	
11.48	22.323	23.944
11.68		
11.88	22.322	23.943
12.		
12.02		
12.04		
12.1		23.942
12.28		
12.48	22.321	23.941
12.68		
12.88	22.32	23.94
13.08		
13.28	22.319	23.939
13.48		
13.68		23.938
13.88	22.318	
14.		
14.02		
14.04		

14.1		23.937
14.28		
14.48		23.949
14.68		23.979
14.88	22.317	24.011
15.08		24.046
15.28		24.083
15.48		24.123
15.68		24.167
15.88	22.318	24.214
16.		24.243
16.02		24.247
16.04		24.251
16.1		24.263
16.28		24.293
16.48		24.322
16.68	22.319	24.347
16.88		24.37
17.08	22.32	24.391
17.28		24.41
17.48		24.427
17.68	22.321	24.443
17.88		24.458
18.		24.466
18.02		24.468
18.04		24.469
18.1		24.475
18.28	22.322	24.492
18.48		24.512
18.68		24.533
18.88	22.323	24.555
19.08		24.578
19.28		24.601
19.48		24.625
19.68	22.324	24.649
19.88		24.673
20.		24.688
20.02		24.69
20.04		24.692
20.1		24.698
20.28	22.325	24.711
20.48		24.722
20.68		24.73
20.88	22.326	24.736
21.08		24.741
21.28		24.743
21.48		24.744
21.68		24.743
21.88		24.741
22.		24.74
22.02		24.739
22.04		
22.1		
22.28		24.741
22.48		24.745
22.68		24.749
22.88		24.754
23.08		24.76
23.28		24.766
23.48		24.772

23.68		24.778
23.88		24.784
24.		24.788
24.02		24.789
24.04		
24.1		24.791
24.28		24.793
24.48		
24.68		
24.88		24.792
25.08		24.789
25.28	22.327	24.786
25.48		24.782
25.68		24.777
25.88		24.772
26.		24.769
26.02		24.768
26.04		
26.1		
26.28		24.772
26.48		24.778
26.68		24.788
26.88		24.799
27.08		24.812
27.28		24.826
27.48		24.842
27.68		24.858
27.88		24.876
28.	22.326	24.887
28.02		24.889
28.04		24.891
28.1		24.895
28.28		24.904
28.48		24.911
28.68		24.916
28.88		24.92
29.08		24.922
29.28		24.924
29.48		
29.68		24.923
29.88		24.921
30.		24.92
30.02		
30.04		
30.1		
30.28		24.921
30.48		24.922
30.68	22.327	24.925
30.88		24.927
31.08		24.93
31.28		24.934
31.48		24.937
31.68		24.941
31.88		24.944
32.		24.947
32.02		
32.04		
32.1		24.948
32.28		
32.48		24.947

32.68		24.945
32.88		24.942
33.08		24.938
33.28		24.934
33.48		24.929
33.68		24.923
33.88		24.917
34.		24.913
34.02		
34.04	22.326	24.912
34.1		24.911
34.28		24.909
34.48		24.908
34.68		
34.88		24.909
35.08		24.91
35.28		24.912
35.48		24.914
35.68		24.916
35.88		24.919
36.		24.921
36.02		
36.04		
36.1		24.922
36.28		24.925
36.48		24.928
36.68	22.325	24.931
36.88		24.934
37.08		24.937
37.28		24.94
37.48		24.943
37.68		24.946
37.88		24.95
38.		24.952
38.02		
38.04		
38.1		24.953
38.28		24.955
38.48		24.956
38.68		24.957
38.88		24.958
39.08		24.959
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04	22.324	
40.1		24.96
40.28		24.965
40.48		24.972
40.68		24.981
40.88		24.992
41.08		25.003
41.28		25.016
41.48		25.029
41.68		25.044
41.88		25.059
42.		25.068

42.02		25.07
42.04		25.071
42.1		25.075
42.28	22.325	25.084
42.48		25.093
42.68		25.101
42.88		25.108
43.08		25.115
43.28		25.12
43.48		25.126
43.68	22.326	25.13
43.88		25.135
44.		25.137
44.02		25.138
44.04		
44.1		25.139
44.28		25.141
44.48		25.142
44.68		25.143
44.88		
45.08		
45.28	22.327	25.142
45.48		25.141
45.68		25.139
45.88		25.137
46.		25.136
46.02		25.135
46.04		
46.1		
46.28		25.134
46.48		
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		25.135
47.88		
48.		25.136
48.02		
48.04		
48.1		25.137
48.28		25.14
48.48		25.146
48.68		25.152
48.88		25.159
49.08		25.167
49.28		25.176
49.48		25.185
49.68		25.195
49.88		25.206
50.		25.212
50.02		25.213
50.04		25.214
50.1		25.217
50.28		25.225
50.48		25.233
50.68		25.24
50.88		25.248
51.08		25.255

51.28	22.328	25.262
51.48		25.269
51.68		25.276
51.88		25.282
52.		25.286
52.02		25.287
52.04		25.288
52.1		25.289
52.28		25.292
52.48		25.293
52.68	22.329	25.294
52.88		
53.08		25.293
53.28		25.291
53.48		25.289
53.68		25.286
53.88		25.283
54.		25.281
54.02		25.28
54.04		
54.1		25.279
54.28		25.277
54.48		25.276
54.68		25.274
54.88		25.273
55.08		
55.28		25.272
55.48		
55.68		25.271
55.88		25.27
56.		
56.02		
56.04		
56.1		25.271
56.28		25.273
56.48		25.277
56.68		25.282
56.88		25.288
57.08		25.294
57.28		25.301
57.48		25.308
57.68		25.316
57.88		25.325
58.		25.33
58.02		25.331
58.04		25.332
58.1		25.334
58.28		25.34
58.48		25.347
58.68		25.353
58.88		25.359
59.08	22.33	25.365
59.28		25.37
59.48		25.376
59.68		25.381
59.88		25.386
60.		25.389
60.02		25.39
60.04		
60.1		25.391

60.28		25.394
60.48		25.396
60.68		25.397
60.88		
61.08		25.398
61.28		
61.48		25.397
61.68		25.396
61.88		25.395
62.		
62.02		25.394
62.04		
62.1		25.395
62.28		25.397
62.48	22.331	25.402
62.68		25.407
62.88		25.413
63.08		25.42
63.28		25.427
63.48		25.436
63.68		25.445
63.88		25.454
64.		25.46
64.02		25.461
64.04		25.462
64.1		25.465
64.28		25.478
64.48		25.493
64.68	22.332	25.51
64.88		25.528
65.08		25.546
65.28		25.566
65.48		25.587
65.68		25.609
65.88		25.631
66.	22.333	25.645
66.02		25.647
66.04		25.649
66.1		25.654
66.28		25.665
66.48	22.334	25.673
66.68		25.679
66.88		25.683
67.08	22.335	25.685
67.28		
67.48		25.683
67.68		25.681
67.88		25.677
68.		25.674
68.02	22.336	
68.04		25.673
68.1		
68.28		25.675
68.48		25.679
68.68		25.685
68.88		25.691
69.08		25.699
69.28	22.337	25.707
69.48		25.715
69.68		25.725

69.88		25.735
70.	22.338	25.741
70.02		25.742
70.04		25.743
70.1		25.745
70.28		25.75
70.48		25.755
70.68		25.758
70.88		25.761
71.08		25.763
71.28	22.339	25.764
71.48		25.765
71.68		
71.88		
72.		
72.02		
72.04		
72.1		25.766
72.28		25.77
72.48		25.776
72.68		25.783
72.88		25.791
73.08		25.799
73.28	22.34	25.809
73.48		25.819
73.68		25.83
73.88		25.841
74.		25.848
74.02		25.849
74.04		25.85
74.1		25.853
74.28		25.861
74.48		25.869
74.68	22.341	25.877
74.88		25.884
75.08		25.891
75.28		25.897
75.48		25.904
75.68		25.91
75.88	22.342	25.916
76.		25.92
76.02		
76.04		25.921
76.1		25.922
76.28		25.924
76.48		
76.68		
76.88		25.922
77.08		25.92
77.28		25.916
77.48		25.912
77.68		25.908
77.88		25.902
78.		25.899
78.02		25.898
78.04		
78.1		25.897
78.28		25.896
78.48		
78.68		25.898

78.88		25.9
79.08		25.903
79.28		25.907
79.48		25.911
79.68		25.915
79.88		25.92
80.	22.343	25.923
80.02		
80.04		25.924
80.1		25.925
80.28		25.927
80.48		25.929
80.68		25.93
80.88		
81.08		
81.28		
81.48		25.929
81.68		
81.88		25.928
82.		25.927
82.02		
82.04		25.926
82.1		
82.28		25.923
82.48		25.919
82.68	22.344	25.914
82.88		25.909
83.08		25.903
83.28		25.897
83.48		25.89
83.68		25.884
83.88		25.877
84.		25.873
84.02		
84.04		25.872
84.1		25.87
84.28		25.866
84.48		25.863
84.68		25.86
84.88		25.857
85.08		25.855
85.28		25.852
85.48		25.851
85.68		25.849
85.88	22.343	25.847
86.		
86.02		25.846
86.04		
86.1		
86.28		25.847
86.48		25.848
86.68		25.85
86.88		25.853
87.08		25.856
87.28		25.859
87.48		25.863
87.68		25.867
87.88		25.872
88.		25.875
88.02		

88.04		
88.1		25.876
88.28		25.877
88.48		
88.68	22.342	25.876
88.88		25.875
89.08		25.873
89.28		25.87
89.48		25.867
89.68		25.864
89.88		25.86
90.	22.343	25.858
90.02		
90.04		25.857
90.1		25.856
90.28		25.854
90.48		25.851
90.68		25.848
90.88		25.845
91.08		25.843
91.28		25.84
91.48		25.838
91.68		25.835
91.88		25.832
92.		25.831
92.02		25.83
92.04		
92.1		
92.28		
92.48		25.832
92.68		25.834
92.88		25.837
93.08		25.84
93.28		25.844
93.48	22.342	25.849
93.68		25.854
93.88		25.859
94.		25.862
94.02		25.863
94.04		
94.1		25.865
94.28		25.867
94.48		25.869
94.68		25.87
94.88		25.871
95.08		
95.28		
95.48		
95.68		25.87
95.88		
96.		25.869
96.02		
96.04		
96.1		
96.28		
96.48		
96.68		25.87
96.88		
97.08		
97.28		

97.48		25.871
97.68		
97.88		25.872
98.		
98.02		
98.04		
98.1		25.873
98.28		
98.48		
98.68		25.872
98.88		
99.08		
99.28		25.871
99.48		25.87
99.68		
99.88		25.869
100.		25.868
100.02		
100.04		
100.1		
100.28		25.867
100.48		
100.68		25.866
100.88		
101.08		25.865
101.28		
101.48		
101.68		25.864
101.88		
102.		
102.02	22.343	25.863
102.04		
102.1		
102.28		
102.48		
102.68		
102.88		25.862
103.08		
103.28		
103.48		
103.68		25.861
103.88		
104.		
104.02		
104.04		
104.1		
104.28		
104.48		25.862
104.68		25.863
104.88		25.864
105.08		25.865
105.28		25.866
105.48		25.867
105.68		25.868
105.88		25.869
106.		25.87
106.02		
106.04		
106.1		25.871
106.28		25.873

106.48		25.876
106.68		25.88
106.88		25.883
107.08		25.887
107.28		25.891
107.48		25.896
107.68		25.9
107.88		25.905
108.		25.908
108.02		25.909
108.04		
108.1		25.911
108.28		25.917
108.48		25.924
108.68		25.931
108.88		25.939
109.08		25.947
109.28	22.344	25.956
109.48		25.965
109.68		25.975
109.88		25.984
110.		25.99
110.02		25.991
110.04		25.992
110.1		25.995
110.28		26.002
110.48		26.009
110.68	22.345	26.015
110.88		26.021
111.08		26.027
111.28		26.033
111.48		26.038
111.68		26.044
111.88	22.346	26.049
112.		26.052
112.02		
112.04		26.053
112.1		
112.28		26.054
112.48		26.052
112.68		26.05
112.88		26.046
113.08		26.041
113.28		26.036
113.48	22.347	26.029
113.68		26.022
113.88		26.014
114.		26.009
114.02		26.008
114.04		26.007
114.1		26.005
114.28		26.001
114.48		25.996
114.68		25.992
114.88		25.988
115.08		25.985
115.28		25.981
115.48		25.978
115.68		25.975
115.88		25.973

116.	22.346	25.971
116.02		
116.04		
116.1		25.97
116.28		25.971
116.48		25.974
116.68		25.977
116.88		25.981
117.08		25.986
117.28		25.992
117.48		25.999
117.68		26.006
117.88		26.014
118.		26.018
118.02		26.019
118.04		26.02
118.1		26.022
118.28		26.027
118.48		26.032
118.68		26.037
118.88		26.042
119.08		26.046
119.28		26.05
119.48		26.054
119.68	22.347	26.058
119.88		26.062
120.		26.064
120.02		
120.04		26.065
120.1		26.066
120.28		26.069
120.48		26.071
120.68		26.074
120.88		26.076
121.08		26.079
121.28		26.081
121.48		26.083
121.68		26.085
121.88		26.086
122.		26.087
122.02		
122.04	22.348	26.088
122.1		
122.28		
122.48		
122.68		
122.88		26.087
123.08		26.086
123.28		26.085
123.48		26.083
123.68		26.081
123.88		26.079
124.		26.078
124.02		
124.04		26.077
124.1		
124.28		26.076
124.48		
124.68		
124.88		

125.08		26.077
125.28		
125.48		26.078
125.68		26.079
125.88		26.08
126.		
126.02		
126.04		26.081
126.1		26.082
126.28		26.088
126.48		26.097
126.68		26.108
126.88		26.119
127.08		26.133
127.28		26.147
127.48		26.162
127.68		26.179
127.88	22.349	26.196
128.		26.207
128.02		26.208
128.04		26.21
128.1		26.213
128.28		26.221
128.48		26.226
128.68		26.229
128.88	22.35	26.23
129.08		
129.28		26.228
129.48		26.225
129.68		26.221
129.88		26.216
130.		26.213
130.02	22.351	26.212
130.04		
130.1		26.21
130.28		26.208
130.48		26.206
130.68		26.205
130.88		26.204
131.08		26.203
131.28		26.202
131.48		
131.68		26.201
131.88		
132.		
132.02		
132.04		
132.1		26.2
132.28		26.197
132.48		26.192
132.68		26.186
132.88		26.179
133.08		26.172
133.28		26.164
133.48		26.155
133.68		26.146
133.88		26.136
134.		26.13
134.02		
134.04		26.129

134.1		26.127
134.28		26.126
134.48	22.35	26.127
134.68		26.13
134.88		26.135
135.08		26.142
135.28		26.15
135.48		26.159
135.68		26.169
135.88		26.181
136.		26.188
136.02		26.189
136.04		26.19
136.1		26.194
136.28		26.205
136.48		26.218
136.68		26.231
136.88		26.245
137.08		26.26
137.28	22.351	26.275
137.48		26.291
137.68		26.307
137.88		26.324
138.		26.334
138.02		26.335
138.04		26.337
138.1		26.34
138.28	22.352	26.347
138.48		26.352
138.68		26.354
138.88		
139.08	22.353	26.352
139.28		26.349
139.48		26.344
139.68		26.338
139.88		26.331
140.		26.327
140.02		26.326
140.04		
140.1		26.325
140.28	22.354	26.328
140.48		26.333
140.68		26.342
140.88		26.352
141.08		26.363
141.28		26.377
141.48		26.391
141.68		26.407
141.88		26.423
142.		26.434
142.02		26.435
142.04		26.437
142.1	22.355	26.44
142.28		26.448
142.48		26.454
142.68		26.457
142.88		26.459
143.08		26.46
143.28		26.459
143.48		26.457

143.68		26.455
143.88		26.451
144.		26.449
144.02	22.356	
144.04		26.448
144.1		
144.28		26.449
144.48		26.452
144.68		26.456
144.88		26.461
145.08		26.466
145.28		26.473
145.48		26.479
145.68	22.357	26.487
145.88		26.495
146.		
146.02		26.5
146.04		26.501
146.1		26.503
146.28		26.508
146.48		26.512
146.68		26.515
146.88		26.519
147.08		26.521
147.28		26.523
147.48	22.358	26.525
147.68		26.527
147.88		26.528
148.		
148.02		26.529
148.04		
148.1		26.53
148.28		26.532
148.48		26.535
148.68		26.539
148.88		26.542
149.08		26.546
149.28		26.549
149.48	22.359	26.553
149.68		26.557
149.88		26.561
150.		
150.02		26.564
150.04		26.565
150.1		26.566
150.28		26.572
150.48		26.578
150.68		26.585
150.88		26.593
151.08	22.36	26.603
151.28		26.621
151.48		26.643
151.68		26.668
151.88		26.695
152.		26.713
152.02		26.715
152.04	22.361	26.718
152.1		26.723
152.28		26.733
152.48		26.739

152.68	22.362	26.74
152.88		26.738
153.08		26.733
153.28		26.725
153.48	22.363	26.713
153.68		26.699
153.88		26.684
154.		26.673
154.02		26.672
154.04		26.671
154.1		26.669
154.28		26.674
154.48		26.685
154.68		26.702
154.88		26.723
155.08		26.746
155.28		26.768
155.48	22.364	26.792
155.68		26.816
155.88		26.841
156.		26.856
156.02		26.859
156.04		26.861
156.1		26.866
156.28	22.365	26.874
156.48		26.877
156.68		26.876
156.88		26.872
157.08	22.366	26.868
157.28		26.866
157.48		
157.68		
157.88	22.367	
158.		
158.02		
158.04		26.867
158.1		
158.28		26.869
158.48		26.871
158.68		26.874
158.88		26.877
159.08		26.882
159.28	22.368	26.89
159.48		26.901
159.68		26.912
159.88		26.926
160.		26.934
160.01		26.935
160.02		
160.05		26.938
160.14		26.946
160.24		26.957
160.34		26.968
160.44		26.98
160.54	22.369	26.993
160.64		27.007
160.74		27.021
160.84		27.036
160.94		27.051
161.		27.06

161.01		27.062
161.02		27.063
161.05		27.066
161.14		27.072
161.24		27.075
161.34	22.37	27.076
161.44		27.074
161.54		27.071
161.64		27.066
161.74		27.06
161.84	22.371	27.053
161.94		27.044
162.		27.038
162.01		
162.02		27.037
162.05		27.035
162.14		27.03
162.24		27.027
162.34		27.024
162.44		27.022
162.54		27.02
162.64		27.019
162.74	22.372	27.018
162.84		27.017
162.94		
163.		27.016
163.01		
163.02		
163.05		
163.14		27.017
163.24		27.018
163.34		27.019
163.44		27.021
163.54		27.023
163.64		27.025
163.74		27.028
163.84		27.03
163.94		27.033
164.		27.035
164.01		
164.02		27.036
164.05		27.037
164.14		27.044
164.24		27.054
164.34		27.066
164.44		27.079
164.54		27.093
164.64		27.108
164.74		27.124
164.84	22.373	27.141
164.94		27.159
165.		27.17
165.01		27.172
165.02		27.174
165.05		27.179
165.14		27.192
165.24		27.204
165.34		27.216
165.44		27.228
165.54		27.238

165.64	22.374	27.249
165.74		27.259
165.84		27.268
165.94		27.277
166.		27.283
166.01		27.284
166.02		
166.05		27.286
166.14	22.375	27.289
166.24		27.29
166.34		27.289
166.44		27.286
166.54		27.282
166.64	22.376	27.276
166.74		27.27
166.84		27.262
166.94		27.253
167.		27.248
167.01		27.247
167.02		27.246
167.05		27.244
167.14		27.239
167.24	22.377	27.235
167.34		27.232
167.44		27.23
167.54		27.228
167.64		27.226
167.74		27.225
167.84		27.224
167.94		27.223
168.		
168.01		
168.02		
168.05		27.222
168.14		27.219
168.24		27.213
168.34		27.207
168.44		27.201
168.54		27.193
168.64	22.378	27.185
168.74		27.176
168.84		27.167
168.94		27.157
169.		27.151
169.01		27.15
169.02		27.149
169.05		27.148
169.14		27.151
169.24	22.377	27.159
169.34		27.171
169.44		27.186
169.54		27.204
169.64		27.224
169.74		27.246
169.84		27.271
169.94		27.297
170.		27.313
170.01		27.316
170.02		27.319
170.05		27.326

170.14		27.344
170.24	22.378	27.363
170.34		27.381
170.44		27.397
170.54		27.413
170.64		27.429
170.74		27.444
170.84		27.458
170.94	22.379	27.473
171.		27.481
171.01		27.483
171.02		27.484
171.05		27.487
171.14		27.492
171.24		27.495
171.34	22.38	
171.44		27.492
171.54		27.488
171.64		27.482
171.74	22.381	27.474
171.84		27.465
171.94		27.455
172.		27.448
172.01		27.447
172.02		27.446
172.05		27.444
172.14		27.44
172.24	22.382	
172.34		27.438
172.44		
172.54		27.44
172.64		27.442
172.74		27.445
172.84		27.448
172.94		27.452
173.		27.455
173.01		
173.02		27.456
173.05	22.383	27.457
173.14		27.459
173.24		27.462
173.34		27.464
173.44		27.465
173.54		27.467
173.64		27.468
173.74		27.469
173.84		27.471
173.94		27.472
174.		
174.01		
174.02		27.473
174.05		
174.14		27.476
174.24		27.481
174.34		27.486
174.44		27.491
174.54		27.498
174.64		27.504
174.74		27.511
174.84		27.519

174.94	22.384	27.527
175.		27.532
175.01		
175.02		27.533
175.05		27.535
175.14		27.539
175.24		27.542
175.34		27.544
175.44	22.385	27.545
175.54		27.546
175.64		
175.74		27.545
175.84		27.544
175.94		27.542
176.		27.541
176.01		
176.02		
176.05		27.542
176.14		27.547
176.24		27.555
176.34		27.565
176.44	22.386	27.577
176.54		27.59
176.64		27.604
176.74		27.62
176.84		27.636
176.94		27.654
177.		27.665
177.01		27.667
177.02		27.668
177.05		27.672
177.14		27.68
177.24		27.685
177.34	22.387	27.688
177.44		
177.54		27.687
177.64		27.685
177.74		27.681
177.84		27.676
177.94	22.388	27.669
178.		27.665
178.01		
178.02		27.664
178.05		27.663
178.14		27.664
178.24		27.668
178.34		27.673
178.44		27.68
178.54		27.689
178.64	22.389	27.698
178.74		27.708
178.84		27.72
178.94		27.732
179.		27.74
179.01		27.741
179.02		27.742
179.05		27.743
179.14		
179.24		27.739
179.34		27.731

179.44		27.721
179.54		27.707
179.64		27.692
179.74		27.675
179.84		27.655
179.94		27.634
180.		27.621
180.01		27.619
180.02		27.617
180.05		27.612
180.14		27.601
180.24		27.592
180.34		27.585
180.44		27.58
180.54		27.576
180.64		27.573
180.74		27.572
180.84	22.39	27.571
180.94		
181.		27.572
181.01		
181.02		
181.05		
181.14		27.573
181.24		27.576
181.34		27.578
181.44		27.582
181.54		27.585
181.64		27.59
181.74		27.594
181.84		27.599
181.94		27.605
182.		27.609
182.01		
182.02		27.61
182.05	22.389	27.611
182.14		27.614
182.24		27.618
182.34		27.62
182.44		27.623
182.54		27.625
182.64	22.39	27.627
182.74		27.629
182.84		27.631
182.94		27.632
183.		27.633
183.01		27.634
183.02		
183.05		27.635
183.14		27.64
183.24		27.648
183.34		27.656
183.44		27.666
183.54		27.676
183.64		27.688
183.74		27.7
183.84		27.713
183.94		27.726
184.		27.734
184.01		27.736

184.02		27.737
184.05		27.74
184.14		27.744
184.24		27.746
184.34		
184.44		27.744
184.54		27.74
184.64		27.735
184.74		27.728
184.84		27.72
184.94		27.712
185.	22.391	27.706
185.01		27.705
185.02		27.704
185.05		27.702
185.14		27.699
185.24		27.697
185.34		27.696
185.44		
185.54		27.697
185.64		27.699
185.74		27.701
185.84		27.704
185.94		27.707
186.		27.71
186.01		
186.02		
186.05		
186.14		27.707
186.24		27.701
186.34		27.694
186.44		27.685
186.54		27.675
186.64	22.392	27.663
186.74		27.65
186.84		27.636
186.94		27.622
187.		27.613
187.01		27.611
187.02		27.61
187.05		27.606
187.14		27.597
187.24		27.588
187.34		27.581
187.44		27.574
187.54		27.568
187.64		27.563
187.74		27.558
187.84		27.553
187.94		27.549
188.		27.547
188.01		
188.02		27.546
188.05		27.545
188.14	22.391	27.541
188.24		27.537
188.34		27.533
188.44		27.528
188.54		27.524
188.64		27.52

188.74		27.515
188.84		27.511
188.94		27.507
189.		27.504
189.01		
189.02		
189.05		27.503
189.14		27.504
189.24		27.507
189.34		27.512
189.44		27.518
189.54		27.525
189.64		27.533
189.74		27.542
189.84		27.553
189.94		27.564
190.		27.57
190.01		27.572
190.02		27.573
190.05		27.576
190.14		27.583
190.24	22.39	27.591
190.34		27.599
190.44		27.606
190.54		27.613
190.64		27.62
190.74		27.626
190.84		27.633
190.94		27.639
191.		27.643
191.01		27.644
191.02		
191.05		27.645
191.14		27.646
191.24		27.645
191.34		27.642
191.44		27.638
191.54		27.633
191.64		27.626
191.74		27.619
191.84		27.611
191.94		27.601
192.		27.596
192.01		27.595
192.02		27.594
192.05		27.591
192.14		27.585
192.24		27.58
192.34		27.574
192.44		27.57
192.54		27.565
192.64	22.391	27.561
192.74		27.557
192.84		27.553
192.94		27.549
193.		27.547
193.01		
193.02		27.546
193.05		27.545
193.14		27.542

193.24		27.54
193.34		27.537
193.44		27.534
193.54		27.532
193.64		27.53
193.74		27.528
193.84		27.526
193.94		27.524
194.		27.523
194.01		
194.02		
194.05		
194.14		27.528
194.24		27.536
194.34		27.546
194.44	22.39	27.558
194.54		27.572
194.64		27.588
194.74		27.604
194.84		27.622
194.94		27.641
195.		27.653
195.01		27.655
195.02		27.657
195.05		27.66
195.14		27.667
195.24		27.671
195.34		
195.44		27.669
195.54		27.664
195.64		27.658
195.74		27.65
195.84		27.64
195.94		27.629
196.		27.622
196.01		27.621
196.02		27.62
196.05		27.617
196.14		27.61
196.24		27.604
196.34		27.598
196.44		27.593
196.54		27.588
196.64		27.583
196.74		27.579
196.84	22.391	27.574
196.94		27.57
197.		27.568
197.01		27.567
197.02		
197.05		27.566
197.14		
197.24		27.567
197.34		27.569
197.44		27.572
197.54		27.576
197.64		27.58
197.74		27.585
197.84		27.591
197.94		27.598

198.		27.602
198.01		
198.02		27.603
198.05		27.604
198.14		27.607
198.24		27.609
198.34		27.61
198.44		
198.54		
198.64		27.609
198.74		27.608
198.84		27.606
198.94		27.604
199.		27.603
199.01		
199.02		
199.05		27.602
199.14		27.603
199.24		27.605
199.34	22.392	27.608
199.44		27.611
199.54		27.615
199.64		27.62
199.74		27.625
199.84		27.63
199.94		27.636
200.		27.639
200.01		27.64
200.02		
200.05		27.642
200.14		27.646
200.24		27.651
200.34		27.656
200.44		27.661
200.54		27.665
200.64		27.67
200.74		27.675
200.84		27.679
200.94		27.684
201.		27.687
201.01		
201.02		27.688
201.05		
201.14		27.687
201.24		27.683
201.34		27.678
201.44		27.671
201.54		27.663
201.64		27.654
201.74		27.644
201.84		27.633
201.94		27.62
202.		27.613
202.01		27.611
202.02		27.61
202.05		27.608
202.14		27.605
202.24		
202.34		27.607
202.44		27.611

202.54		27.617
202.64		27.624
202.74		27.633
202.84		27.642
202.94		27.653
203.		27.66
203.01		27.661
203.02		27.662
203.05		27.664
203.14		27.668
203.24		27.669
203.34		
203.44		27.667
203.54		27.664
203.64		27.66
203.74		27.655
203.84		27.649
203.94		27.643
204.		27.639
204.01		27.638
204.02		27.637
204.05		27.636
204.14		27.631
204.24		27.627
204.34		27.622
204.44		27.619
204.54	22.393	27.615
204.64		27.611
204.74		27.608
204.84		27.604
204.94		27.601
205.		27.598
205.01		
205.02		
205.05		
205.14		27.6
205.24		27.604
205.34		27.61
205.44		27.617
205.54		27.625
205.64		27.635
205.74		27.646
205.84		27.657
205.94		27.669
206.		27.677
206.01		27.678
206.02		27.68
206.05		27.683
206.14		27.691
206.24		27.699
206.34		27.707
206.44		27.714
206.54		27.72
206.64		27.727
206.74		27.733
206.84		27.738
206.94		27.744
207.		27.747
207.01		27.748
207.02		

207.05		27.75
207.14		27.754
207.24		27.759
207.34	22.394	27.764
207.44		27.768
207.54		27.772
207.64		27.777
207.74		27.781
207.84		27.785
207.94		27.788
208.		27.791
208.01		
208.02	22.395	27.792
208.05		27.793
208.14		27.796
208.24		27.799
208.34		27.803
208.44		27.806
208.54		27.81
208.64		27.813
208.74		27.816
208.84		27.819
208.94		27.822
209.	22.396	27.824
209.01		
209.02		27.825
209.05		27.826
209.14		27.832
209.24		27.84
209.34		27.85
209.44		27.86
209.54		27.871
209.64		27.883
209.74		27.895
209.84		27.909
209.94	22.397	27.922
210.		27.931
210.01		27.932
210.02		27.934
210.05		27.94
210.14		27.962
210.24		27.991
210.34		28.024
210.44	22.398	28.06
210.54		28.098
210.64		28.139
210.74		28.183
210.84		28.228
210.94	22.399	28.275
211.		28.305
211.01		28.309
211.02		28.313
211.05		28.324
211.14	22.4	28.346
211.24		28.362
211.34	22.401	28.371
211.44		28.375
211.54	22.402	
211.64		28.37
211.74		28.363

211.84	22.403	28.351
211.94		28.337
212.	22.404	28.328
212.01		28.326
212.02		28.325
212.05		28.321
212.14		28.31
212.24	22.405	28.298
212.34		28.286
212.44		28.273
212.54	22.406	28.261
212.64		28.247
212.74		28.233
212.84		28.219
212.94	22.407	28.204
213.		28.195
213.01		28.193
213.02		
213.05		28.194
213.14		28.211
213.24		28.243
213.34		28.285
213.44		28.336
213.54		28.394
213.64	22.408	28.459
213.74		28.53
213.84		28.607
213.94		28.689
214.		28.739
214.01		28.747
214.02		28.755
214.05		28.774
214.14	22.409	28.816
214.24		28.851
214.34	22.41	28.876
214.44		28.894
214.54	22.411	28.906
214.64		28.912
214.74	22.412	28.914
214.84	22.413	28.911
214.94		28.905
215.	22.414	28.899
215.01		
215.02		28.898
215.05		28.896
215.14	22.415	28.893
215.24		28.89
215.34	22.416	28.887
215.44		28.884
215.54	22.417	28.88
215.64		28.876
215.74	22.418	28.871
215.84		28.866
215.94	22.419	28.86
216.		28.856
216.01		
216.02		
216.05		
216.14		28.862
216.24		28.874

216.34	22.42	28.89
216.44		28.909
216.54		28.93
216.64	22.421	28.953
216.74		28.979
216.84		29.006
216.94	22.422	29.036
217.		29.054
217.01		29.057
217.02		29.059
217.05		29.066
217.14		29.08
217.24	22.423	29.09
217.34		29.096
217.44		29.099
217.54	22.424	
217.64		29.097
217.74		29.094
217.84	22.425	29.088
217.94		29.08
218.		29.075
218.01		29.074
218.02		29.073
218.05		29.071
218.14	22.426	29.066
218.24		29.062
218.34		29.057
218.44	22.427	29.052
218.54		29.048
218.64		29.043
218.74		29.038
218.84		29.033
218.94	22.428	29.028
219.		29.024
219.01		
219.02		
219.05		
219.14		29.029
219.24		29.039
219.34		29.052
219.44		29.067
219.54		29.085
219.64		29.105
219.74	22.429	29.127
219.84		29.151
219.94		29.176
220.		29.192
220.01		29.194
220.02		29.196
220.05		29.202
220.14		29.213
220.24		29.22
220.34	22.43	29.223
220.44		29.224
220.54		29.222
220.64		29.218
220.74	22.431	29.212
220.84		29.204
220.94		29.194
221.		29.188

221.01		29.187
221.02		29.186
221.05		
221.14		29.189
221.24	22.432	29.198
221.34		29.21
221.44		29.226
221.54		29.244
221.64		29.264
221.74		29.286
221.84	22.433	29.31
221.94		29.336
222.		29.351
222.01		29.354
222.02		29.357
222.05		29.366
222.14		29.394
222.24		29.427
222.34	22.434	29.463
222.44		29.501
222.54		29.54
222.64		29.581
222.74	22.435	29.624
222.84		29.668
222.94	22.436	29.713
223.		29.741
223.01		29.746
223.02		29.75
223.05		29.764
223.14		29.803
223.24	22.437	29.845
223.34		29.888
223.44	22.438	29.93
223.54	22.439	29.973
223.64		30.015
223.74	22.44	30.058
223.84		30.101
223.94	22.441	30.144
224.		30.17
224.01	22.442	30.175
224.02		30.179
224.05		30.195
224.14		30.248
224.24	22.443	30.314
224.34	22.444	30.385
224.44	22.445	30.461
224.54	22.446	30.54
224.64		30.623
224.74	22.447	30.709
224.84	22.448	30.798
224.94	22.449	30.89
225.	22.45	30.947
225.01		30.956
225.02		30.964
225.05		30.988
225.14	22.451	31.051
225.24	22.452	31.112
225.34	22.454	31.167
225.44	22.455	31.217
225.54	22.456	31.263

225.64	22.457	31.305
225.74	22.459	31.344
225.84	22.46	31.381
225.94	22.461	31.415
226.	22.462	31.434
226.01		31.438
226.02		31.441
226.05	22.463	31.454
226.14	22.464	31.497
226.24	22.465	31.55
226.34	22.466	31.607
226.44	22.468	31.666
226.54	22.469	31.728
226.64	22.47	31.793
226.74	22.472	31.859
226.84	22.473	31.927
226.94	22.474	31.997
227.	22.475	32.039
227.01		32.046
227.02		32.053
227.05	22.476	32.076
227.14	22.477	32.147
227.24	22.478	32.23
227.34	22.479	32.316
227.44	22.481	32.405
227.54	22.482	32.497
227.64	22.484	32.592
227.74	22.485	32.688
227.84	22.487	32.787
227.94	22.488	32.888
228.	22.489	32.949
228.01		32.959
228.02		32.968
228.05	22.49	32.995
228.14	22.491	33.064
228.24	22.493	33.133
228.34	22.495	33.195
228.44	22.496	33.251
228.54	22.498	33.303
228.64	22.5	33.351
228.74	22.502	33.395
228.84	22.503	33.436
228.94	22.505	33.475
229.	22.506	33.497
229.01		33.501
229.02	22.507	33.505
229.05		33.521
229.14	22.509	33.583
229.24	22.51	33.663
229.34	22.512	33.751
229.44	22.514	33.846
229.54	22.515	33.947
229.64	22.517	34.054
229.74	22.519	34.165
229.84	22.521	34.281
229.94	22.522	34.4
230.	22.523	34.474
230.01	22.524	34.485
230.02		34.497
230.05		34.528

230.14	22.526	34.61
230.24	22.528	34.69
230.34	22.53	34.763
230.44	22.532	34.83
230.54	22.534	34.891
230.64	22.536	34.948
230.74	22.538	35.001
230.84	22.54	35.05
230.94	22.542	35.096
231.	22.543	35.122
231.01		35.126
231.02		35.131
231.05	22.544	35.144
231.14	22.546	35.183
231.24	22.548	35.226
231.34	22.549	35.267
231.44	22.551	35.307
231.54	22.553	35.345
231.64	22.555	35.382
231.74	22.557	35.418
231.84	22.559	35.452
231.94	22.56	35.485
232.	22.561	35.505
232.01		35.508
232.02	22.562	35.511
232.05		35.519
232.14	22.564	35.54
232.24	22.565	35.559
232.34	22.567	35.574
232.44	22.568	35.586
232.54	22.57	35.596
232.64	22.571	35.603
232.74	22.573	35.608
232.84	22.574	35.61
232.94	22.576	
233.		35.609
233.01		
233.02	22.577	
233.05		35.608
233.14	22.578	35.601
233.24	22.579	35.59
233.34	22.58	35.577
233.44	22.581	35.56
233.54	22.582	35.542
233.64	22.583	35.521
233.74	22.584	35.497
233.84	22.585	35.472
233.94	22.586	35.444
234.		35.426
234.01	22.587	35.424
234.02		35.421
234.05		35.413
234.14		35.388
234.24	22.588	35.362
234.34	22.589	35.334
234.44		35.307
234.54	22.59	35.278
234.64		35.249
234.74		35.219
234.84		35.189

234.94	22.591	35.157
235.		35.138
235.01		35.135
235.02		35.133
235.05		35.127
235.14		35.122
235.24	22.592	35.125
235.34		35.135
235.44		35.152
235.54		35.174
235.64		35.2
235.74		35.231
235.84		35.265
235.94		35.303
236.		35.327
236.01		35.331
236.02		35.335
236.05		35.348
236.14		35.385
236.24		35.43
236.34	22.593	35.476
236.44		35.524
236.54		35.574
236.64		35.626
236.74	22.594	35.68
236.84		35.736
236.94	22.595	35.793
237.		35.828
237.01		35.834
237.02		35.84
237.05		35.855
237.14	22.596	35.895
237.24		35.935
237.34	22.597	35.971
237.44	22.598	36.005
237.54		36.036
237.64	22.599	36.066
237.74	22.6	36.094
237.84		36.12
237.94	22.601	36.145
238.	22.602	36.16
238.01		36.162
238.02		36.165
238.05		36.174
238.14	22.603	36.203
238.24	22.604	36.237
238.34		36.274
238.44	22.605	36.312
238.54	22.606	36.352
238.64	22.607	36.393
238.74		36.434
238.84	22.608	36.477
238.94	22.609	36.521
239.	22.61	36.547
239.01		36.551
239.02		36.556
239.05		36.571
239.14	22.611	36.618
239.24	22.612	36.674
239.34	22.613	36.733

239.44		36.795
239.54	22.614	36.859
239.64	22.615	36.925
239.74	22.616	36.993
239.84	22.617	37.062
239.94	22.618	37.134
240.	22.619	37.178
240.01		37.185
240.02		37.192
240.05		37.212
240.14	22.62	37.268
240.24	22.622	37.326
240.34	22.623	37.383
240.44	22.624	37.437
240.54	22.625	37.49
240.64	22.626	37.542
240.74	22.628	37.593
240.84	22.629	37.643
240.94	22.63	37.692
241.	22.631	37.721
241.01		37.726
241.02		37.73
241.05	22.632	37.743
241.14	22.633	37.776
241.24	22.634	37.809
241.34	22.635	37.837
241.44	22.637	37.863
241.54	22.638	37.885
241.64	22.639	37.905
241.74	22.641	37.922
241.84	22.642	37.938
241.94	22.643	37.951
242.	22.644	37.958
242.01		37.96
242.02		37.962
242.05		37.975
242.14	22.645	38.034
242.24	22.647	38.119
242.34	22.648	38.219
242.44	22.649	38.332
242.54	22.65	38.456
242.64	22.651	38.591
242.74	22.652	38.734
242.84	22.654	38.885
242.94	22.655	39.044
243.	22.656	39.142
243.01		39.157
243.02		39.171
243.05	22.657	39.207
243.14	22.658	39.279
243.24	22.66	39.329
243.34	22.661	39.358
243.44	22.663	39.369
243.54	22.665	39.365
243.64	22.667	39.347
243.74	22.669	39.317
243.84	22.67	39.276
243.94	22.672	39.226
244.	22.673	39.191
244.01		39.186

244.02	22.674	39.182
244.05		39.172
244.14	22.676	39.158
244.24	22.677	39.155
244.34	22.678	39.16
244.44	22.68	39.171
244.54	22.681	39.188
244.64	22.682	39.208
244.74	22.683	39.232
244.84	22.684	39.259
244.94	22.685	39.289
245.	22.686	39.307
245.01		39.311
245.02		39.315
245.05		39.327
245.14	22.687	39.376
245.24	22.688	39.439
245.34	22.689	39.51
245.44	22.69	39.587
245.54	22.691	39.671
245.64	22.692	39.759
245.74	22.693	39.853
245.84	22.694	39.951
245.94	22.695	40.054
246.	22.696	40.117
246.01		40.127
246.02		40.136
246.05	22.697	40.16
246.14	22.698	40.214
246.24	22.699	40.257
246.34	22.7	40.288
246.44	22.702	40.309
246.54	22.703	40.322
246.64	22.704	40.328
246.74	22.706	40.327
246.84	22.707	40.32
246.94	22.709	40.308
247.		40.299
247.01	22.71	40.298
247.02		
247.05		40.301
247.14	22.711	40.334
247.24	22.713	40.387
247.34	22.714	40.454
247.44	22.715	40.532
247.54	22.716	40.619
247.64	22.717	40.714
247.74	22.718	40.816
247.84	22.72	40.925
247.94	22.721	41.04
248.	22.722	41.111
248.01		41.122
248.02		41.132
248.05		41.156
248.14	22.723	41.2
248.24	22.725	41.225
248.34	22.726	41.231
248.44	22.728	41.222
248.54	22.729	41.2
248.64	22.731	41.167

248.74	22.732	41.123
248.84	22.734	41.07
248.94	22.735	41.008
249.	22.736	40.968
249.01		40.962
249.02		40.956
249.05		40.941
249.14	22.737	40.907
249.24	22.739	40.877
249.34	22.74	40.852
249.44	22.741	40.831
249.54		40.813
249.64	22.742	40.797
249.74	22.743	40.782
249.84		40.769
249.94	22.744	40.757
250.		40.751
250.01		40.749
250.02		40.748
250.05	22.745	40.745
250.14		40.738
250.24		40.731
250.34	22.746	40.726
250.44		40.721
250.54	22.747	40.718
250.64		40.715
250.74		40.712
250.84	22.748	40.711
250.94		40.709
251.		
251.01		
251.02		
251.05		40.71
251.14		40.719
251.24	22.749	40.732
251.34		40.749
251.44		40.768
251.54		40.79
251.64	22.75	40.814
251.74		40.84
251.84		40.867
251.94	22.751	40.897
252.		40.915
252.01		40.918
252.02		40.92
252.05		40.925
252.14		
252.24	22.752	40.915
252.34		40.896
252.44		40.871
252.54	22.753	40.84
252.64		40.803
252.74	22.754	40.761
252.84		40.716
252.94		40.666
253.		40.634
253.01		40.63
253.02		40.625
253.05		40.615
253.14		40.598

253.24		40.591
253.34		40.592
253.44		40.6
253.54		40.614
253.64		40.632
253.74		40.655
253.84	22.755	40.682
253.94		40.713
254.		40.733
254.01		40.736
254.02		40.739
254.05		40.746
254.14		40.766
254.24		40.785
254.34		40.802
254.44	22.756	40.817
254.54		40.832
254.64		40.846
254.74		40.859
254.84		40.872
254.94		40.884
255.	22.757	40.891
255.01		40.893
255.02		40.894
255.05		40.899
255.14		40.914
255.24	22.758	40.933
255.34		40.954
255.44	22.759	40.976
255.54		40.999
255.64		41.023
255.74	22.76	41.047
255.84		41.073
255.94		41.1
256.		41.116
256.01	22.761	41.119
256.02		41.122
256.05		41.135
256.14	22.762	41.185
256.24		41.251
256.34	22.763	41.327
256.44		41.41
256.54	22.764	41.5
256.64		41.596
256.74	22.765	41.698
256.84	22.766	41.805
256.94		41.918
257.		41.987
257.01	22.767	41.998
257.02		42.008
257.05		42.036
257.14	22.768	42.106
257.24	22.769	42.172
257.34	22.77	42.229
257.44	22.772	42.278
257.54	22.773	42.321
257.64	22.774	42.36
257.74	22.775	42.393
257.84	22.777	42.423
257.94	22.778	42.449

258.	22.779	42.464
258.01		42.466
258.02		42.468
258.05	22.78	42.476
258.14	22.781	42.499
258.24	22.782	42.525
258.34	22.783	42.549
258.44	22.785	42.573
258.54	22.786	42.595
258.64	22.787	42.617
258.74	22.789	42.637
258.84	22.79	42.657
258.94	22.791	42.675
259.	22.792	42.686
259.01		42.688
259.02		42.691
259.05		42.7
259.14	22.793	42.736
259.24	22.794	42.784
259.34	22.796	42.838
259.44	22.797	42.897
259.54	22.798	42.961
259.64	22.799	43.029
259.74	22.8	43.1
259.84	22.801	43.174
259.94	22.802	43.252
260.	22.803	43.299
260.01		43.306
260.02		43.313
260.05	22.804	43.329
260.14	22.805	43.355
260.24	22.806	43.367
260.34	22.807	43.365
260.44	22.808	43.351
260.54	22.81	43.328
260.64	22.811	43.296
260.74	22.812	43.256
260.84	22.813	43.208
260.94	22.815	43.155
261.		43.12
261.01		43.115
261.02		43.11
261.05	22.816	43.099
261.14	22.817	43.082
261.24	22.818	43.076
261.34		43.079
261.44	22.819	43.088
261.54	22.82	43.104
261.64	22.821	43.124
261.74		43.149
261.84	22.822	43.177
261.94		43.209
262.	22.823	43.229
262.01		43.233
262.02		43.236
262.05		43.245
262.14	22.824	43.269
262.24		43.294
262.34	22.825	43.319
262.44		43.343

262.54	22.826	43.367
262.64	22.827	43.391
262.74		43.415
262.84	22.828	43.439
262.94	22.829	43.463
263.		43.477
263.01		43.479
263.02		43.481
263.05		43.487
263.14	22.83	43.5
263.24	22.831	43.512
263.34		43.521
263.44	22.832	43.527
263.54	22.833	43.532
263.64		43.535
263.74	22.834	43.536
263.84	22.835	
263.94	22.836	43.535
264.		43.534
264.01		
264.02		
264.05		43.536
264.14	22.837	43.549
264.24		43.569
264.34	22.838	43.594
264.44	22.839	43.622
264.54		43.653
264.64	22.84	43.687
264.74		43.724
264.84	22.841	43.763
264.94	22.842	43.804
265.		43.829
265.01		43.833
265.02		43.836
265.05		43.843
265.14	22.843	43.845
265.24		43.833
265.34	22.844	43.81
265.44	22.845	43.778
265.54		43.738
265.64	22.846	43.69
265.74	22.847	43.637
265.84		43.577
265.94	22.848	43.512
266.		43.47
266.01		43.464
266.02		43.459
266.05		43.447
266.14	22.849	43.432
266.24		43.433
266.34		43.447
266.44		43.472
266.54	22.85	43.506
266.64		43.548
266.74		43.598
266.84		43.653
266.94		43.715
267.		43.754
267.01		43.76
267.02		43.766

267.05	22.851	43.782
267.14		43.82
267.24		43.855
267.34		43.886
267.44	22.852	43.914
267.54		43.938
267.64	22.853	43.961
267.74		43.982
267.84	22.854	44.001
267.94		44.019
268.	22.855	44.029
268.01		44.031
268.02		44.033
268.05		44.04
268.14	22.856	44.067
268.24		44.101
268.34	22.857	44.138
268.44		44.179
268.54	22.858	44.221
268.64	22.859	44.266
268.74		44.313
268.84	22.86	44.361
268.94	22.861	44.411
269.		44.442
269.01		44.447
269.02		44.452
269.05	22.862	44.468
269.14		44.516
269.24	22.863	44.571
269.34	22.864	44.628
269.44	22.865	44.686
269.54	22.866	44.746
269.64		44.807
269.74	22.867	44.869
269.84	22.868	44.932
269.94	22.869	44.997
270.	22.87	45.036
270.01		45.043
270.02		45.049
270.05	22.871	45.069
270.14		45.127
270.24	22.873	45.192
270.34	22.874	45.258
270.44	22.875	45.324
270.54	22.876	45.391
270.64	22.877	45.459
270.74	22.879	45.527
270.84	22.88	45.595
270.94	22.881	45.665
271.	22.882	45.707
271.01		45.713
271.02		45.72
271.05	22.883	45.739
271.14	22.884	45.79
271.24	22.885	45.842
271.34	22.887	45.891
271.44	22.888	45.937
271.54	22.89	45.981
271.64	22.891	46.022
271.74	22.892	46.061

271.84	22.894	46.099
271.94	22.895	46.135
272.	22.896	46.156
272.01		46.159
272.02	22.897	46.163
272.05		46.173
272.14	22.898	46.202
272.24	22.9	46.232
272.34	22.901	46.261
272.44	22.902	46.288
272.54	22.904	46.314
272.64	22.905	46.338
272.74	22.907	46.362
272.84	22.908	46.384
272.94	22.909	46.406
273.	22.91	46.418
273.01		46.42
273.02		46.421
273.05	22.911	46.422
273.14	22.912	46.413
273.24	22.913	46.391
273.34	22.914	46.359
273.44	22.915	46.318
273.54	22.916	46.27
273.64	22.918	46.215
273.74	22.919	46.154
273.84		46.087
273.94	22.92	46.014
274.	22.921	45.969
274.01		45.961
274.02		45.954
274.05		45.935
274.14	22.922	45.887
274.24		45.839
274.34	22.923	45.794
274.44		45.753
274.54	22.924	45.714
274.64		45.677
274.74		45.641
274.84		45.607
274.94		45.573
275.		45.553
275.01		45.549
275.02		45.546
275.05		45.536
275.14		45.505
275.24		45.47
275.34		45.435
275.44		45.401
275.54		45.365
275.64		45.33
275.74	22.923	45.295
275.84		45.259
275.94		45.223
276.		45.202
276.01		45.198
276.02		45.195
276.05		45.184
276.14	22.922	45.155
276.24		45.125

276.34		45.095
276.44		45.066
276.54	22.921	45.037
276.64		45.01
276.74	22.92	44.982
276.84		44.955
276.94		44.929
277.	22.919	44.913
277.01		44.91
277.02		44.908
277.05		44.9
277.14		44.878
277.24	22.918	44.854
277.34		44.83
277.44		44.808
277.54	22.917	44.785
277.64		44.764
277.74	22.916	44.742
277.84		44.721
277.94		44.701
278.	22.915	44.689
278.01		44.687
278.02		44.685
278.05		44.68
278.14		44.667
278.24	22.914	44.654
278.34		44.643
278.44	22.913	44.633
278.54		44.625
278.64		44.618
278.74	22.912	44.613
278.84		44.608
278.94		44.604
279.	22.911	44.602
279.01		
279.02		44.601
279.05		
279.14		44.598
279.24		44.596
279.34	22.91	44.594
279.44		44.593
279.54		44.592
279.64		
279.74	22.909	44.593
279.84		
279.94		44.595
280.		
280.01		44.596
280.02		
280.05		44.598
280.14		44.606
280.24		44.618
280.34	22.908	44.633
280.44		44.65
280.54		44.669
280.64		44.69
280.74		44.712
280.84		44.736
280.94		44.762
281.		44.778

281.01		44.78
281.02		44.783
281.05		44.79
281.14		44.813
281.24	22.909	44.839
281.34		44.865
281.44		44.891
281.54		44.918
281.64		44.945
281.74	22.91	44.973
281.84		45.002
281.94		45.031
282.		45.048
282.01		45.051
282.02		45.054
282.05	22.911	45.064
282.14		45.093
282.24		45.126
282.34	22.912	45.161
282.44		45.197
282.54	22.913	45.234
282.64		45.272
282.74	22.914	45.311
282.84		45.351
282.94	22.915	45.392
283.		45.417
283.01		45.421
283.02		45.425
283.05		45.437
283.14	22.916	45.47
283.24	22.917	45.507
283.34		45.543
283.44	22.918	45.579
283.54	22.919	45.614
283.64		45.649
283.74	22.92	45.684
283.84	22.921	45.719
283.94	22.922	45.754
284.		45.775
284.01		45.778
284.02		45.782
284.05	22.923	45.794
284.14		45.833
284.24	22.924	45.88
284.34	22.925	45.929
284.44	22.926	45.981
284.54	22.927	46.034
284.64	22.928	46.09
284.74	22.929	46.147
284.84	22.93	46.206
284.94	22.931	46.267
285.		46.304
285.01		46.31
285.02		46.316
285.05	22.932	46.333
285.14	22.933	46.38
285.24	22.934	46.43
285.34	22.935	46.479
285.44	22.936	46.526
285.54	22.937	46.572

285.64	22.938	46.617
285.74	22.939	46.661
285.84	22.94	46.704
285.94	22.941	46.747
286.	22.942	46.772
286.01		46.777
286.02		46.782
286.05	22.943	46.798
286.14	22.944	46.855
286.24	22.945	46.926
286.34	22.946	47.004
286.44	22.947	47.086
286.54	22.949	47.174
286.64	22.95	47.265
286.74	22.951	47.36
286.84	22.953	47.459
286.94	22.954	47.56
287.	22.955	47.622
287.01		47.632
287.02		47.642
287.05	22.956	47.667
287.14	22.957	47.731
287.24	22.958	47.79
287.34	22.96	47.84
287.44	22.962	47.883
287.54	22.963	47.921
287.64	22.965	47.953
287.74	22.967	47.981
287.84	22.968	48.005
287.94	22.97	48.025
288.	22.971	48.035
288.01		48.037
288.02		48.039
288.05	22.972	48.045
288.14	22.973	48.065
288.24	22.975	48.088
288.34	22.976	48.111
288.44	22.978	48.133
288.54	22.979	48.155
288.64	22.981	48.176
288.74	22.982	48.196
288.84	22.983	48.216
288.94	22.985	48.235
289.		48.246
289.01	22.986	48.248
289.02		48.25
289.05		48.255
289.14	22.987	48.268
289.24	22.989	48.282
289.34	22.99	48.294
289.44	22.991	48.305
289.54	22.992	48.314
289.64	22.993	48.323
289.74	22.994	48.33
289.84	22.995	48.336
289.94	22.997	48.341
290.		48.344
290.01		
290.02		
290.05	22.998	48.346

290.14	22.999	48.35
290.24	23.	48.354
290.34		48.358
290.44	23.001	48.361
290.54	23.002	48.364
290.64	23.003	48.367
290.74	23.004	48.369
290.84	23.005	48.371
290.94		48.373
291.	23.006	48.374
291.01		
291.02		
291.05		48.373
291.14	23.007	48.368
291.24	23.008	48.359
291.34		48.348
291.44	23.009	48.335
291.54	23.01	48.32
291.64		48.303
291.74	23.011	48.285
291.84		48.265
291.94	23.012	48.244
292.		48.23
292.01		48.228
292.02		48.227
292.05		48.224
292.14	23.013	48.226
292.24		48.237
292.34	23.014	48.255
292.44		48.279
292.54		48.307
292.64	23.015	48.339
292.74		48.375
292.84		48.414
292.94	23.016	48.457
293.		48.484
293.01		48.488
293.02		48.492
293.05		48.503
293.14		48.53
293.24	23.017	48.556
293.34		48.58
293.44	23.018	48.601
293.54		48.62
293.64	23.019	48.638
293.74	23.02	48.654
293.84		48.67
293.94	23.021	48.684
294.		48.692
294.01		48.694
294.02		48.696
294.05		48.706
294.14	23.022	48.751
294.24	23.023	48.813
294.34		48.886
294.44	23.024	48.967
294.54	23.025	49.056
294.64		49.152
294.74	23.026	49.254
294.84	23.027	49.362

294.94	23.028	49.475
295.		49.545
295.01		49.559
295.02		49.574
295.05	23.029	49.635
295.14	23.03	49.89
295.24	23.031	50.238
295.34	23.032	50.638
295.44	23.033	51.084
295.54	23.035	51.569
295.64	23.037	52.09
295.74	23.039	52.644
295.84	23.042	53.229
295.94	23.045	53.844
296.	23.047	54.222
296.01		54.282
296.02		54.338
296.05	23.048	54.485
296.14	23.052	54.82
296.24	23.056	55.106
296.34	23.061	55.328
296.44	23.066	55.497
296.54	23.071	55.622
296.64	23.077	55.709
296.74	23.083	55.763
296.84	23.088	55.786
296.94	23.094	55.781
297.	23.098	55.769
297.01		55.767
297.02	23.099	55.765
297.05	23.101	55.76
297.14	23.106	55.737
297.24	23.111	55.701
297.34	23.116	55.654
297.44	23.121	55.594
297.54	23.126	55.522
297.64	23.131	55.438
297.74	23.135	55.343
297.84	23.139	55.236
297.94	23.143	55.119
298.	23.145	55.045
298.01		55.035
298.02	23.146	55.027
298.05	23.147	55.015
298.14	23.15	55.046
298.24	23.153	55.135
298.34	23.155	55.267
298.44	23.158	55.433
298.54	23.16	55.628
298.64	23.163	55.85
298.74	23.165	56.094
298.84	23.168	56.36
298.94	23.17	56.645
299.	23.171	56.823
299.01	23.172	56.851
299.02		56.879
299.05	23.173	56.955
299.14	23.175	57.156
299.24	23.178	57.358
299.34	23.181	57.546

299.44	23.184	57.724
299.54	23.187	57.893
299.64	23.191	58.056
299.74	23.194	58.213
299.84	23.198	58.366
299.94	23.202	58.514
300.	23.204	58.602
300.01		58.617
300.02	23.205	58.631
300.05	23.206	58.671
300.14	23.209	58.783
300.24	23.213	58.898
300.34	23.217	59.004
300.44	23.221	59.104
300.54	23.225	59.198
300.64	23.228	59.285
300.74	23.232	59.368
300.84	23.236	59.446
300.94	23.24	59.52
301.	23.242	59.562
301.01		59.569
301.02	23.243	59.574
301.05	23.244	59.588
301.14	23.247	59.606
301.24	23.25	
301.34	23.254	59.588
301.44	23.257	59.556
301.54	23.261	59.51
301.64	23.264	59.453
301.74	23.267	59.384
301.84	23.27	59.305
301.94	23.272	59.216
302.	23.274	59.159
302.01		59.152
302.02		59.148
302.05	23.275	59.151
302.14	23.277	59.243
302.24	23.28	59.416
302.34	23.282	59.644
302.44	23.284	59.917
302.54	23.286	60.228
302.64	23.288	60.575
302.74	23.29	60.952
302.84	23.292	61.358
302.94	23.295	61.79
303.	23.296	62.059
303.01		62.103
303.02	23.297	62.148
303.05		62.284
303.14	23.3	62.702
303.24	23.303	63.184
303.34	23.307	63.681
303.44	23.311	64.195
303.54	23.315	64.724
303.64	23.32	65.268
303.74	23.325	65.828
303.84	23.33	66.402
303.94	23.336	66.989
304.	23.34	67.347
304.01		67.405

304.02	23.341	67.461
304.05	23.343	67.62
304.14	23.349	68.048
304.24	23.355	68.484
304.34	23.363	68.891
304.44	23.37	69.275
304.54	23.378	69.639
304.64	23.386	69.988
304.74	23.394	70.322
304.84	23.403	70.643
304.94	23.411	70.954
305.	23.416	71.136
305.01	23.417	71.165
305.02	23.418	71.193
305.05	23.42	71.269
305.14	23.428	71.455
305.24	23.437	71.621
305.34	23.445	71.755
305.44	23.454	71.86
305.54	23.462	71.941
305.64	23.47	71.999
305.74	23.479	72.036
305.84	23.486	72.055
305.94	23.494	
306.	23.499	72.05
306.01		72.049
306.02	23.5	72.048
306.05	23.502	72.043
306.14	23.509	72.018
306.24	23.516	71.978
306.34	23.522	71.923
306.44	23.529	71.856
306.54	23.535	71.777
306.64	23.541	71.685
306.74	23.546	71.582
306.84	23.551	71.467
306.94	23.556	71.341
307.	23.559	71.262
307.01		71.248
307.02	23.56	71.234
307.05	23.561	71.192
307.14	23.565	71.05
307.24	23.568	70.879
307.34	23.572	70.696
307.44	23.575	70.5
307.54	23.578	70.294
307.64	23.581	70.077
307.74	23.583	69.849
307.84	23.585	69.612
307.94	23.587	69.365
308.	23.588	69.214
308.01		69.19
308.02		69.166
308.05		69.1
308.14	23.589	68.922
308.24	23.59	68.741
308.34	23.591	68.571
308.44		68.411
308.54		68.257
308.64		68.109

308.74	23.59	67.966
308.84	23.589	67.827
308.94		67.691
309.	23.588	67.611
309.01		67.598
309.02		67.586
309.05		67.553
309.14	23.587	67.472
309.24	23.586	67.399
309.34	23.584	67.339
309.44	23.583	67.292
309.54	23.582	67.255
309.64	23.58	67.227
309.74	23.579	67.207
309.84	23.577	67.195
309.94	23.576	67.19
310.	23.575	67.189
310.01		67.188
310.02		67.186
310.05		67.175
310.14	23.573	67.115
310.24	23.572	67.025
310.34	23.571	66.918
310.44	23.57	66.797
310.54	23.568	66.664
310.64	23.567	66.521
310.74	23.566	66.367
310.84	23.565	66.206
310.94	23.563	66.036
311.		65.931
311.01	23.562	65.914
311.02		65.898
311.05		65.854
311.14	23.561	65.74
311.24	23.559	65.629
311.34	23.557	65.529
311.44	23.556	65.438
311.54	23.554	65.355
311.64	23.552	65.278
311.74	23.55	65.206
311.84	23.548	65.14
311.94	23.546	65.078
312.	23.545	65.043
312.01		65.037
312.02		65.031
312.05	23.544	65.013
312.14	23.543	64.961
312.24	23.541	64.904
312.34	23.539	64.849
312.44	23.537	64.796
312.54	23.535	64.745
312.64	23.533	64.695
312.74	23.532	64.646
312.84	23.53	64.599
312.94	23.528	64.553
313.	23.527	64.526
313.01		64.522
313.02		64.518
313.05	23.526	64.507
313.14	23.525	64.485

313.24	23.523	64.469
313.34	23.522	64.458
313.44	23.52	64.454
313.54	23.519	64.453
313.64	23.518	64.457
313.74	23.516	64.464
313.84	23.515	64.474
313.94	23.514	64.488
314.	23.513	64.497
314.01		64.498
314.02		64.5
314.05		64.507
314.14	23.512	64.533
314.24	23.511	64.568
314.34	23.51	64.608
314.44	23.509	64.654
314.54	23.508	64.704
314.64	23.507	64.758
314.74		64.815
314.84	23.506	64.876
314.94		64.941
315.		64.981
315.01		64.987
315.02		64.993
315.05		65.007
315.14	23.505	65.037
315.24		65.059
315.34		65.073
315.44		65.08
315.54		65.081
315.64	23.506	65.078
315.74		65.071
315.84		65.06
315.94		65.045
316.		65.035
316.01		65.034
316.02		
316.05		65.037
316.14	23.507	65.067
316.24		65.117
316.34		65.181
316.44	23.508	65.256
316.54		65.34
316.64		65.432
316.74	23.509	65.532
316.84		65.639
316.94	23.51	65.752
317.		65.822
317.01		65.832
317.02		65.841
317.05		65.859
317.14	23.511	65.871
317.24	23.512	65.848
317.34	23.513	65.796
317.44	23.514	65.722
317.54	23.515	65.628
317.64	23.516	65.517
317.74		65.391
317.84	23.517	65.25
317.94	23.518	65.097

318.		65.001
318.01	23.519	64.985
318.02		64.969
318.05		64.924
318.14		64.791
318.24	23.52	64.642
318.34		64.493
318.44		64.34
318.54		64.185
318.64		64.027
318.74	23.519	63.865
318.84		63.699
318.94	23.518	63.53
319.	23.517	63.428
319.01		63.412
319.02		63.397
319.05		63.358
319.14	23.516	63.277
319.24	23.515	63.215
319.34	23.514	63.177
319.44	23.513	63.157
319.54	23.511	63.154
319.64	23.51	63.166
319.74	23.509	63.192
319.84	23.507	63.231
319.94	23.506	63.281
320.	23.505	63.315
320.01		63.32
320.02		63.324
320.05	23.504	63.332
320.14	23.503	63.333
320.24	23.502	63.316
320.34	23.501	63.288
320.44	23.5	63.25
320.54		63.205
320.64	23.499	63.155
320.74	23.498	63.099
320.84		63.039
320.94	23.497	62.976
321.	23.496	62.936
321.01		62.93
321.02		62.923
321.05		62.9
321.14		62.822
321.24	23.495	62.726
321.34	23.494	62.624
321.44		62.515
321.54	23.493	62.401
321.64	23.492	62.282
321.74	23.491	62.158
321.84	23.49	62.031
321.94	23.489	61.9
322.		61.82
322.01	23.488	61.807
322.02		61.795
322.05		61.76
322.14	23.487	61.666
322.24	23.486	61.572
322.34	23.485	61.484
322.44	23.483	61.402

322.54	23.482	61.324
322.64	23.48	61.25
322.74	23.479	61.18
322.84	23.478	61.112
322.94	23.476	61.046
323.	23.475	61.008
323.01		61.002
323.02		60.995
323.05	23.474	60.976
323.14	23.473	60.919
323.24	23.471	60.856
323.34	23.47	60.795
323.44	23.468	60.734
323.54	23.467	60.674
323.64	23.465	60.615
323.74	23.464	60.556
323.84	23.462	60.498
323.94	23.461	60.441
324.	23.46	60.407
324.01		60.402
324.02		60.396
324.05	23.459	60.377
324.14	23.458	60.318
324.24	23.457	60.25
324.34	23.455	60.179
324.44	23.454	60.106
324.54	23.452	60.032
324.64	23.451	59.956
324.74	23.45	59.88
324.84	23.448	59.803
324.94	23.447	59.725
325.	23.446	59.678
325.01		59.67
325.02		59.662
325.05	23.445	59.641
325.14	23.444	59.58
325.24	23.443	59.517
325.34	23.441	59.457
325.44	23.44	59.399
325.54	23.439	59.344
325.64	23.437	59.29
325.74	23.436	59.238
325.84	23.434	59.187
325.94	23.433	59.138
326.	23.432	59.109
326.01		59.104
326.02		59.099
326.05	23.431	59.084
326.14	23.43	59.04
326.24	23.429	58.991
326.34	23.427	58.942
326.44	23.426	58.893
326.54	23.425	58.845
326.64	23.424	58.798
326.74	23.422	58.75
326.84	23.421	58.704
326.94	23.42	58.657
327.	23.419	58.63
327.01		58.625
327.02		58.621

327.05	23.418	58.607
327.14	23.417	58.567
327.24	23.416	58.524
327.34	23.415	58.481
327.44	23.414	58.439
327.54	23.413	58.397
327.64	23.412	58.357
327.74	23.41	58.316
327.84	23.409	58.276
327.94	23.408	58.237
328.		58.214
328.01		58.21
328.02	23.407	58.206
328.05		58.195
328.14	23.406	58.163
328.24	23.405	58.128
328.34	23.404	58.095
328.44	23.403	58.062
328.54	23.402	58.031
328.64	23.401	58.001
328.74	23.4	57.971
328.84	23.399	57.943
328.94	23.398	57.915
329.		57.899
329.01		57.896
329.02		57.893
329.05	23.397	57.884
329.14		57.858
329.24	23.396	57.828
329.34	23.395	57.798
329.44	23.394	57.768
329.54	23.393	57.738
329.64	23.392	57.708
329.74		57.678
329.84	23.391	57.648
329.94	23.39	57.618
330.		57.601
330.01		57.598
330.02		57.595
330.05	23.389	57.586
330.14		57.563
330.24	23.388	57.538
330.34	23.387	57.514
330.44		57.491
330.54	23.386	57.47
330.64	23.385	57.448
330.74		57.428
330.84	23.384	57.408
330.94	23.383	57.389
331.		57.378
331.01		57.376
331.02		57.374
331.05		57.368
331.14	23.382	57.348
331.24		57.325
331.34	23.381	57.302
331.44		57.278
331.54	23.38	57.254
331.64		57.229
331.74	23.379	57.205

331.84	23.378	57.18
331.94		57.155
332.		57.139
332.01		57.137
332.02		57.135
332.05	23.377	57.128
332.14		57.108
332.24		57.087
332.34	23.376	57.067
332.44		57.047
332.54	23.375	57.029
332.64		57.011
332.74	23.374	56.993
332.84		56.976
332.94	23.373	56.96
333.		56.95
333.01		56.949
333.02		56.947
333.05		56.941
333.14		56.921
333.24	23.372	56.896
333.34		56.87
333.44	23.371	56.843
333.54		56.814
333.64		56.785
333.74	23.37	56.755
333.84		56.724
333.94	23.369	56.692
334.		56.673
334.01		56.67
334.02		56.667
334.05		56.657
334.14		56.629
334.24	23.368	56.599
334.34		56.568
334.44	23.367	56.537
334.54		56.506
334.64		56.475
334.74	23.366	56.443
334.84		56.412
334.94	23.365	56.381
335.		56.362
335.01		56.359
335.02		56.356
335.05		56.347
335.14	23.364	56.324
335.24		56.299
335.34	23.363	56.276
335.44		56.255
335.54	23.362	56.234
335.64		56.214
335.74	23.361	56.196
335.84		56.178
335.94	23.36	56.161
336.		56.151
336.01		56.149
336.02		56.148
336.05		56.143
336.14		56.129
336.24	23.359	56.114

336.34		56.1
336.44	23.358	56.087
336.54		56.074
336.64	23.357	56.061
336.74		56.049
336.84		56.038
336.94	23.356	56.027
337.		56.021
337.01		56.02
337.02		56.019
337.05		56.015
337.14	23.355	56.003
337.24		55.989
337.34		55.975
337.44	23.354	55.96
337.54		55.945
337.64		55.93
337.74		55.915
337.84	23.353	55.9
337.94		55.884
338.		55.875
338.01		55.873
338.02		55.872
338.05		55.867
338.14	23.352	55.852
338.24		55.836
338.34		55.819
338.44	23.351	55.802
338.54		55.786
338.64		55.768
338.74		55.751
338.84	23.35	55.734
338.94		55.716
339.		55.706
339.01		55.704
339.02		55.702
339.05		55.697
339.14		55.681
339.24	23.349	55.664
339.34		55.647
339.44		55.63
339.54	23.348	55.612
339.64		55.595
339.74		55.578
339.84		55.561
339.94	23.347	55.544
340.		55.534
340.01		55.532
340.02		55.53
340.05		55.525
340.14		55.508
340.24	23.346	55.489
340.34		55.469
340.44		55.449
340.54		55.429
340.64	23.345	55.413
340.74		55.418
340.84		55.422
340.94		55.427
341.		

341.01	23.344	55.43
341.02		
341.05		55.432
341.14		55.436
341.24	23.343	55.441
341.34		55.445
341.44		55.45
341.54	23.342	55.455
341.64		55.46
341.74		55.464
341.84	23.341	55.469
341.94		55.474
342.		55.477
342.01		
342.02		55.478
342.05		55.479
342.14	23.34	55.483
342.24		55.489
342.34		55.494
342.44	23.339	55.499
342.54		55.504
342.64		55.51
342.74	23.338	55.515
342.84		55.52
342.94		55.526
343.	23.337	55.529
343.01		
343.02		55.53
343.05		55.532
343.14		55.536
343.24	23.336	55.542
343.34		55.547
343.44		55.552
343.54	23.335	55.558
343.64		55.563
343.74		55.568
343.84		55.574
343.94	23.334	55.579
344.		55.582
344.01		55.583
344.02		
344.05		55.585
344.14		55.59
344.24	23.333	55.595
344.34		55.601
344.44		55.606
344.54	23.332	55.612
344.64		55.618
344.74		55.623
344.84	23.331	55.629
344.94		55.635
345.		55.638
345.01		55.639
345.02		
345.05		55.641
345.14		55.646
345.24	23.33	55.651
345.34		55.657
345.44		55.662
345.54		55.668

345.64	23.329	55.673
345.74		55.678
345.84		55.684
345.94	23.328	55.689
346.		55.692
346.01		55.693
346.02		
346.05		55.695
346.14		55.7
346.24		55.706
346.34	23.327	55.711
346.44		55.717
346.54		55.723
346.64		55.729
346.74	23.326	55.734
346.84		55.74
346.94		55.746
347.		55.75
347.01		
347.02		55.751
347.05		55.753
347.14		55.759
347.24	23.325	55.766
347.34		55.773
347.44		55.78
347.54		55.788
347.64	23.324	55.796
347.74		55.804
347.84		55.812
347.94		55.82
348.		55.825
348.01		55.826
348.02		
348.05		55.829
348.14		55.834
348.24	23.323	55.841
348.34		55.846
348.44		55.852
348.54		55.857
348.64		55.862
348.74		55.866
348.84		55.871
348.94		55.875
349.		55.878
349.01	23.322	
349.02		55.879
349.05		55.88
349.14		55.885
349.24		55.891
349.34		55.897
349.44		55.903
349.54		55.909
349.64		55.916
349.74		55.922
349.84	23.321	55.929
349.94		55.936
350.		55.94
350.01		
350.02		55.941
350.05		55.943

350.14		55.949
350.24		55.955
350.34		55.961
350.44		55.967
350.54		55.974
350.64		55.98
350.74		55.986
350.84		55.992
350.94	23.32	55.998
351.		56.002
351.01		
351.02		56.003
351.05		56.005
351.14		56.01
351.24		56.016
351.34		56.022
351.44		56.029
351.54		56.035
351.64		56.041
351.74	23.319	56.047
351.84		56.053
351.94		56.059
352.		56.063
352.01		
352.02		56.064
352.05		56.066
352.14		56.07
352.24		56.075
352.34		56.079
352.44	23.318	56.084
352.54		56.088
352.64		56.091
352.74		56.095
352.84		56.098
352.94		56.102
353.		56.104
353.01		
353.02		
353.05	23.317	56.106
353.14		56.11
353.24		56.114
353.34		56.119
353.44		56.125
353.54		56.13
353.64		56.136
353.74	23.316	56.141
353.84		56.147
353.94		56.153
354.		56.157
354.01		
354.02		56.158
354.05		56.16
354.14	23.315	56.165
354.24		56.171
354.34		56.177
354.44		56.184
354.54		56.19
354.64		56.197
354.74	23.314	56.203
354.84		56.21

354.94		56.216
355.		56.22
355.01		56.221
355.02		56.222
355.05	23.313	56.224
355.14		56.229
355.24		56.236
355.34		56.242
355.44		56.249
355.54		56.255
355.64		56.262
355.74		56.268
355.84	23.312	56.275
355.94		56.281
356.		56.285
356.01		56.286
356.02		
356.05		56.288
356.14		56.294
356.24		56.3
356.34		56.306
356.44		56.312
356.54		56.317
356.64		56.323
356.74		56.329
356.84	23.311	56.335
356.94		56.34
357.		56.343
357.01		56.344
357.02		56.345
357.05		56.346
357.14		56.352
357.24		56.357
357.34		56.363
357.44		56.369
357.54		56.375
357.64		56.381
357.74		56.387
357.84		56.393
357.94	23.31	56.399
358.		56.403
358.01		
358.02		56.404
358.05		56.406
358.14		56.411
358.24		56.417
358.34		56.423
358.44		56.429
358.54		56.435
358.64		56.441
358.74		56.447
358.84		56.452
358.94		56.458
359.		56.462
359.01		
359.02		56.463
359.05		56.465
359.14		56.47
359.24		56.476
359.34		56.482

359.44	23.309	56.488
359.54		56.494
359.64		56.5
359.74		56.506
359.84		56.512
359.94		56.518
360.		56.521
360.01		56.522
360.02		
360.05		56.524
360.14	23.308	56.53
360.24		56.536
360.34		56.543
360.44		56.549
360.54		56.556
360.64		56.563
360.74		56.57
360.84		56.576
360.94		56.583
361.		56.587
361.01		56.588
361.02		56.589
361.05		56.591
361.14		56.597
361.24		56.604
361.34		56.611
361.44	23.307	56.618
361.54		56.625
361.64		56.632
361.74		56.639
361.84		56.646
361.94		56.653
362.		56.658
362.01		
362.02		56.659
362.05		56.661
362.14		56.667
362.24		56.674
362.34		56.68
362.44		56.687
362.54		56.693
362.64		56.699
362.74		56.705
362.84		56.711
362.94		56.718
363.		56.721
363.01		56.722
363.02		
363.05		56.724
363.14		56.73
363.24		56.736
363.34		56.742
363.44		56.748
363.54		56.753
363.64		56.759
363.74		56.765
363.84		56.771
363.94		56.777
364.		56.78
364.01		56.781

364.02		56.782
364.05		56.783
364.14		56.789
364.24		56.795
364.34		56.801
364.44		56.807
364.54		56.813
364.64		56.819
364.74		56.825
364.84		56.831
364.94		56.838
365.		56.841
365.01		56.842
365.02		56.843
365.05		56.844
365.14		56.85
365.24		56.856
365.34		56.862
365.44		56.868
365.54		56.874
365.64		56.88
365.74	23.306	56.886
365.84		56.892
365.94		56.898
366.		56.902
366.01		56.903
366.02		
366.05		56.905
366.14		56.911
366.24		56.917
366.34		56.923
366.44		56.929
366.54		56.935
366.64		56.941
366.74		56.947
366.84		56.953
366.94		56.959
367.		56.962
367.01		56.963
367.02		56.964
367.05		56.966
367.14		56.971
367.24		56.978
367.34		56.984
367.44		56.991
367.54		56.998
367.64		57.005
367.74	23.305	57.012
367.84		57.019
367.94		57.026
368.		57.03
368.01		57.031
368.02		
368.05		57.033
368.14		57.039
368.24		57.046
368.34		57.052
368.44		57.059
368.54		57.065
368.64		57.072

368.74		57.078
368.84		57.084
368.94		57.091
369.		57.094
369.01		57.095
369.02		57.096
369.05		57.097
369.14		57.103
369.24		57.11
369.34		57.116
369.44		57.122
369.54		57.129
369.64		57.135
369.74		57.141
369.84		57.148
369.94		57.154
370.		57.158
370.01		57.159
370.02		
370.05		57.161
370.14		57.167
370.24		57.173
370.34		57.18
370.44		57.186
370.54		57.193
370.64		57.2
370.74		57.206
370.84		57.213
370.94		57.219
371.		57.223
371.01	23.304	57.224
371.02		
371.05		57.226
371.14		57.232
371.24		57.239
371.34		57.245
371.44		57.251
371.54		57.258
371.64		57.264
371.74		57.271
371.84		57.277
371.94		57.283
372.		57.287
372.01		57.288
372.02		
372.05		57.29
372.14		57.296
372.24		57.302
372.34		57.308
372.44		57.315
372.54		57.321
372.64		57.327
372.74		57.333
372.84		57.339
372.94		57.346
373.		57.349
373.01		57.35
373.02		
373.05		57.352
373.14		57.358

373.24		57.364
373.34	23.303	57.369
373.44		57.375
373.54		57.381
373.64		57.387
373.74		57.392
373.84		57.398
373.94		57.404
374.		57.407
374.01		
374.02		57.408
374.05		57.41
374.14		57.415
374.24		57.421
374.34		57.427
374.44		57.433
374.54		57.44
374.64		57.446
374.74		57.452
374.84		57.458
374.94		57.465
375.		57.469
375.01		
375.02		57.47
375.05		57.472
375.14		57.478
375.24		57.484
375.34		57.49
375.44		57.496
375.54	23.302	57.503
375.64		57.509
375.74		57.515
375.84		57.521
375.94		57.527
376.		57.531
376.01		57.532
376.02		
376.05		57.534
376.14		57.54
376.24		57.546
376.34		57.552
376.44		57.558
376.54		57.564
376.64		57.57
376.74		57.576
376.84		57.582
376.94		57.589
377.		57.592
377.01		57.593
377.02		
377.05		57.595
377.14		57.601
377.24		57.606
377.34		57.612
377.44		57.618
377.54		57.624
377.64		57.63
377.74		57.636
377.84		57.642
377.94		57.648

378.		57.651
378.01		57.652
378.02		
378.05		57.654
378.14		57.659
378.24		57.665
378.34		57.672
378.44		57.678
378.54		57.684
378.64		57.69
378.74		57.697
378.84		57.703
378.94	23.301	57.709
379.		57.713
379.01		57.714
379.02		
379.05		57.716
379.14		57.722
379.24		57.728
379.34		57.734
379.44		57.74
379.54		57.746
379.64		57.753
379.74		57.759
379.84		57.765
379.94		57.771
380.		57.775
380.01		
380.02		57.776
380.05		57.778
380.14		57.783
380.24		57.789
380.34		57.795
380.44		57.801
380.54		57.807
380.64		57.813
380.74		57.819
380.84		57.825
380.94		57.831
381.		57.835
381.01		57.836
381.02		
381.05	23.3	57.838
381.14		57.844
381.24		57.85
381.34		57.856
381.44		57.862
381.54		57.868
381.64		57.874
381.74		57.88
381.84		57.887
381.94		57.893
382.		57.897
382.01		
382.02		57.898
382.05		57.9
382.14		57.905
382.24		57.911
382.34		57.918
382.44		57.924

382.54		57.93
382.64		57.936
382.74		57.943
382.84		57.949
382.94		57.955
383.		57.959
383.01		57.96
383.02		
383.05		57.962
383.14		57.968
383.24		57.974
383.34		57.98
383.44		57.986
383.54		57.993
383.64		57.999
383.74		58.005
383.84		58.011
383.94		58.017
384.		58.021
384.01		58.022
384.02		
384.05		58.024
384.14		58.03
384.24		58.036
384.34		58.042
384.44		58.049
384.54		58.055
384.64		58.061
384.74		58.067
384.84		58.073
384.94		58.08
385.	23.299	58.083
385.01		58.084
385.02		58.085
385.05		58.086
385.14		58.092
385.24		58.098
385.34		58.105
385.44		58.111
385.54		58.117
385.64		58.124
385.74		58.13
385.84		58.137
385.94		58.143
386.		58.147
386.01		58.148
386.02		
386.05		58.15
386.14		58.156
386.24		58.162
386.34		58.169
386.44		58.175
386.54		58.181
386.64		58.188
386.74		58.194
386.84		58.2
386.94		58.206
387.		58.21
387.01		58.211
387.02		

387.05		58.213
387.14		58.219
387.24		58.225
387.34		58.231
387.44		58.237
387.54		58.243
387.64		58.25
387.74		58.256
387.84		58.262
387.94		58.268
388.		58.271
388.01		58.272
388.02		58.273
388.05		58.275
388.14		58.28
388.24		58.286
388.34		58.292
388.44		58.298
388.54		58.305
388.64		58.311
388.74		58.317
388.84		58.323
388.94		58.329
389.		58.333
389.01		58.334
389.02		
389.05		58.336
389.14		58.342
389.24		58.348
389.34		58.354
389.44		58.36
389.54		58.366
389.64		58.372
389.74		58.377
389.84		58.383
389.94		58.389
390.		58.393
390.01		
390.02		58.394
390.05		58.396
390.14		58.401
390.24		58.407
390.34		58.412
390.44		58.418
390.54	23.298	58.424
390.64		58.429
390.74		58.435
390.84		58.44
390.94		58.446
391.		58.449
391.01		58.45
391.02		
391.05		58.452
391.14		58.457
391.24		58.463
391.34		58.468
391.44		58.474
391.54		58.48
391.64		58.486
391.74		58.492

391.84		58.498
391.94		58.504
392.		58.507
392.01		58.508
392.02		
392.05		58.51
392.14		58.516
392.24		58.521
392.34		58.527
392.44		58.533
392.54		58.539
392.64		58.545
392.74		58.551
392.84		58.557
392.94		58.563
393.		58.567
393.01		58.568
393.02		
393.05		58.57
393.14		58.575
393.24		58.581
393.34		58.587
393.44		58.593
393.54		58.599
393.64		58.605
393.74		58.611
393.84		58.617
393.94		58.623
394.		58.627
394.01		58.628
394.02	23.297	
394.05		58.63
394.14		58.635
394.24		58.641
394.34		58.647
394.44		58.653
394.54		58.659
394.64		58.665
394.74		58.671
394.84		58.677
394.94		58.683
395.		58.687
395.01		58.688
395.02		
395.05		58.69
395.14		58.695
395.24		58.702
395.34		58.708
395.44		58.714
395.54		58.72
395.64		58.726
395.74		58.733
395.84		58.739
395.94		58.745
396.		58.749
396.01		58.75
396.02		
396.05		58.752
396.14		58.758
396.24		58.764

396.34		58.771
396.44		58.777
396.54		58.784
396.64		58.79
396.74		58.797
396.84		58.804
396.94		58.81
397.		58.814
397.01		58.815
397.02		58.816
397.05	23.296	58.818
397.14		58.824
397.24		58.83
397.34		58.836
397.44		58.843
397.54		58.849
397.64		58.855
397.74		58.862
397.84		58.868
397.94		58.874
398.		58.878
398.01		58.879
398.02		
398.05		58.881
398.14		58.887
398.24		58.893
398.34		58.899
398.44		58.905
398.54		58.911
398.64		58.917
398.74		58.923
398.84		58.929
398.94		58.935
399.		58.939
399.01		
399.02		58.94
399.05		58.942
399.14		58.947
399.24		58.953
399.34		58.959
399.44		58.965
399.54		58.971
399.64		58.977
399.74		58.983
399.84		58.989
399.94		58.995
400.		58.999
400.01		
400.02		59.
400.05		59.002
400.14		59.007
400.24		59.013
400.34		59.019
400.44		59.025
400.54		59.031
400.64		59.037
400.74		59.043
400.84		59.049
400.94		59.055
401.		59.059

401.01	
401.02	59.06
401.05	59.062
401.14	59.067
401.24	59.073
401.34	59.079
401.44	59.086
401.54	59.092
401.64	59.098
401.74	59.104
401.84	59.11
401.94	59.116
402.	59.12
402.01	59.121
402.02	
402.05	59.123
402.14	59.129
402.24	59.135
402.34	59.141
402.44	59.147
402.54	59.153
402.64	59.16
402.74	59.166
402.84	59.172
402.94	59.178
403.	59.182
403.01	
403.02	59.183
403.05	59.185
403.14	59.19
403.24	59.196
403.34	59.202
403.44	59.208
403.54	59.215
403.64	59.221
403.74	59.227
403.84	59.233
403.94	59.239
404.	59.243
404.01	
404.02	59.244
404.05	59.246
404.14	59.251
404.24	59.257
404.34	59.263
404.44	59.27
404.54	59.276
404.64	59.282
404.74	59.288
404.84	59.294
404.94	59.3
405.	59.304
405.01	59.305
405.02	
405.05	59.307
405.14	59.313
405.24	59.319
405.34	59.325
405.44	59.332
405.54	59.338

405.64	59.344
405.74	59.351
405.84	59.357
405.94	59.363
406.	59.367
406.01	59.368
406.02	
406.05	59.37
406.14	59.376
406.24	59.382
406.34	59.389
406.44	59.395
406.54	59.401
406.64	59.408
406.74	59.414
406.84	59.42
406.94	59.427
407.	59.431
407.01	
407.02	59.432
407.05	59.434
407.14	59.44
407.24	59.446
407.34	59.452
407.44	59.458
407.54	59.464
407.64	59.47
407.74	59.477
407.84	59.483
407.94	59.489
408.	59.492
408.01	59.493
408.02	
408.05	
408.14	59.488
408.24	59.48
408.34	59.468
408.44	59.454
408.54	59.438
408.64	59.419
408.74	59.399
408.84	59.38

	23.297	
408.94	23.296	59.363
409.		59.354
409.01		59.352
409.02		59.351
409.05		59.347
409.14	23.295	59.337
409.24		59.327
409.34	23.294	59.319
409.44	23.293	59.311
409.54	23.292	59.305
409.64	23.291	59.299
409.74	23.29	59.293
409.84	23.289	59.287
409.94	23.287	59.282
410.		59.278
410.01		
410.02	23.286	59.277
410.05		59.276
410.14	23.285	59.271
410.24	23.284	59.266
410.34	23.282	59.26
410.44	23.281	59.255
410.54	23.28	59.25
410.64	23.278	59.244
410.74	23.277	59.239
410.84	23.276	59.234
410.94	23.274	59.229
411.	23.273	59.226
411.01		59.225
411.02		
411.05		59.223
411.14	23.272	59.218
411.24	23.27	59.213
411.34	23.269	59.208
411.44	23.268	59.203
411.54	23.266	59.198
411.64	23.265	59.193
411.74	23.264	59.189
411.84	23.263	59.184
411.94	23.261	59.179
412.		59.176
412.01	23.26	59.175
412.02		
412.05		59.174
412.14	23.259	59.169
412.24	23.258	59.164
412.34	23.256	59.16
412.44	23.255	59.155
412.54	23.254	59.15
412.64	23.253	59.145
412.74	23.252	59.141
412.84	23.251	59.136
412.94	23.25	59.131
413.	23.249	59.129
413.01		59.128
413.02		
413.05	23.248	59.126
413.14	23.247	59.122
413.24	23.246	59.118

413.34	23.245	59.113
413.44	23.244	59.108
413.54	23.243	59.104
413.64	23.242	59.099
413.74	23.241	59.095
413.84	23.24	59.09
413.94	23.239	59.086
414.		59.083
414.01		
414.02	23.238	59.082
414.05		59.081
414.14	23.237	59.077
414.24	23.236	59.073
414.34	23.235	59.068
414.44	23.234	59.064
414.54		59.059
414.64	23.233	59.055
414.74	23.232	59.051
414.84	23.231	59.047
414.94	23.23	59.042
415.	23.229	59.04
415.01		59.039
415.02		
415.05		59.038
415.14	23.228	59.034
415.24	23.227	59.03
415.34		59.026
415.44	23.226	59.022
415.54	23.225	59.017
415.64	23.224	59.013
415.74	23.223	59.009
415.84		59.005
415.94	23.222	59.001
416.	23.221	58.999
416.01		58.998
416.02		
416.05		58.997
416.14	23.22	58.993
416.24		58.989
416.34	23.219	58.985
416.44	23.218	58.981
416.54	23.217	58.977
416.64		58.973
416.74	23.216	58.969
416.84	23.215	58.965
416.94		58.961
417.	23.214	58.959
417.01		
417.02		58.958
417.05		58.957
417.14	23.213	58.954
417.24		58.95
417.34	23.212	58.946
417.44	23.211	58.942
417.54		58.938
417.64	23.21	58.934
417.74	23.209	58.93
417.84		58.927
417.94	23.208	58.923
418.		58.921

418.01		58.92
418.02		
418.05	23.207	58.919
418.14		58.915
418.24	23.206	58.912
418.34		58.908
418.44	23.205	58.904
418.54		58.9
418.64	23.204	58.896
418.74	23.203	58.893
418.84		58.889
418.94	23.202	58.885
419.		58.883
419.01		
419.02		58.882
419.05		58.881
419.14	23.201	58.878
419.24		58.874
419.34	23.2	58.87
419.44	23.199	58.866
419.54		58.863
419.64	23.198	58.859
419.74		58.855
419.84	23.197	58.851
419.94		58.848
420.	23.196	58.845
420.01		
420.02		
420.05		58.843
420.14		58.84
420.24	23.195	58.836
420.34		58.833
420.44	23.194	58.829
420.54		58.825
420.64	23.193	58.821
420.74		58.818
420.84	23.192	58.814
420.94		58.81
421.	23.191	58.808
421.01		
421.02		58.807
421.05		58.806
421.14		58.803
421.24	23.19	58.799
421.34		58.795
421.44	23.189	58.792
421.54		58.788
421.64	23.188	58.784
421.74		58.781
421.84	23.187	58.777
421.94		58.773
422.	23.186	58.771
422.01		
422.02		58.77
422.05		58.769
422.14		58.766
422.24	23.185	58.762
422.34		58.758
422.44	23.184	58.755
422.54		58.751

422.64	23.183	58.748
422.74		58.744
422.84		58.74
422.94	23.182	58.737
423.		58.734
423.01		
423.02		
423.05		58.733
423.14	23.181	58.729
423.24		58.726
423.34	23.18	58.722
423.44		58.718
423.54	23.179	58.715
423.64		58.711
423.74		58.708
423.84	23.178	58.704
423.94		58.7
424.	23.177	58.698
424.01		
424.02		
424.05		58.696
424.14		58.693
424.24	23.176	58.69
424.34		58.686
424.44	23.175	58.682
424.54		58.679
424.64		58.675
424.74	23.174	58.672
424.84		58.668
424.94	23.173	58.665
425.		58.663
425.01		58.662
425.02		
425.05		58.661
425.14		58.658
425.24	23.172	58.654
425.34		58.651
425.44	23.171	58.647
425.54		58.644
425.64		58.64
425.74	23.17	58.637
425.84		58.633
425.94	23.169	58.629
426.		58.627
426.01		
426.02		
426.05		58.626
426.14		58.622
426.24	23.168	58.619
426.34		58.615
426.44	23.167	58.612
426.54		58.608
426.64		58.605
426.74	23.166	58.601
426.84		58.597
426.94	23.165	58.594
427.		58.592
427.01		58.591
427.02		
427.05		58.59

427.14		58.587
427.24	23.164	58.583
427.34		58.579
427.44	23.163	58.576
427.54		58.572
427.64		58.569
427.74	23.162	58.565
427.84		58.561
427.94	23.161	58.558
428.		58.555
428.01		
428.02		
428.05		58.554
428.14		58.55
428.24	23.16	58.547
428.34		58.543
428.44	23.159	58.539
428.54		58.536
428.64		58.532
428.74	23.158	58.529
428.84		58.525
428.94		58.521
429.	23.157	58.519
429.01		
429.02		
429.05		58.517
429.14		58.514
429.24	23.156	58.511
429.34		58.507
429.44		58.503
429.54	23.155	58.5
429.64		58.496
429.74	23.154	58.493
429.84		58.489
429.94		58.486
430.	23.153	58.484
430.01		58.483
430.02		
430.05		58.482
430.14		58.479
430.24		58.475
430.34	23.152	58.471
430.44		58.468
430.54	23.151	58.464
430.64		58.461
430.74		58.457
430.84	23.15	58.454
430.94		58.45
431.		58.448
431.01		58.447
431.02		
431.05		58.446
431.14	23.149	58.443
431.24		58.439
431.34		58.435
431.44	23.148	58.432
431.54		58.428
431.64	23.147	58.425
431.74		58.421
431.84		58.417

431.94	23.146	58.414
432.		58.411
432.01		
432.02		
432.05		58.41
432.14		58.406
432.24	23.145	58.403
432.34		58.399
432.44	23.144	58.396
432.54		58.392
432.64		58.388
432.74	23.143	58.385
432.84		58.381
432.94		58.377
433.	23.142	58.375
433.01		
433.02		
433.05		58.373
433.14		58.37
433.24		58.367
433.34	23.141	58.363
433.44		58.359
433.54	23.14	58.356
433.64		58.352
433.74		58.349
433.84	23.139	58.345
433.94		58.342
434.		58.34
434.01		58.339
434.02		
434.05		58.338
434.14	23.138	58.335
434.24		58.331
434.34		58.328
434.44	23.137	58.324
434.54		58.321
434.64		58.317
434.74	23.136	58.314
434.84		58.31
434.94		58.307
435.	23.135	58.305
435.01		
435.02		58.304
435.05		58.303
435.14		58.3
435.24		58.297
435.34	23.134	58.293
435.44		58.29
435.54		58.287
435.64	23.133	58.283
435.74		58.28
435.84		58.277
435.94	23.132	58.274
436.		58.272
436.01		58.271
436.02		
436.05		58.27
436.14		58.267
436.24	23.131	58.264
436.34		58.261

436.44		58.258
436.54	23.13	58.254
436.64		58.251
436.74		58.248
436.84	23.129	58.245
436.94		58.242
437.		58.24
437.01		58.239
437.02		
437.05		58.238
437.14	23.128	58.235
437.24		58.232
437.34		58.229
437.44		58.226
437.54	23.127	58.222
437.64		58.219
437.74		58.216
437.84	23.126	58.213
437.94		58.21
438.		58.208
438.01		58.207
438.02		
438.05		58.206
438.14	23.125	58.203
438.24		58.2
438.34		58.197
438.44	23.124	58.193
438.54		58.19
438.64		58.187
438.74	23.123	58.183
438.84		58.18
438.94		58.177
439.		58.175
439.01		
439.02		58.174
439.05	23.122	58.173
439.14		58.17
439.24		58.167
439.34	23.121	58.164
439.44		58.161
439.54		58.157
439.64		58.154
439.74	23.12	58.151
439.84		58.147
439.94		58.144
440.	23.119	58.142
440.01		
440.02		
440.05		58.141
440.14		58.138
440.24		58.134
440.34	23.118	58.131
440.44		58.128
440.54		58.125
440.64	23.117	58.121
440.74		58.118
440.84		58.115
440.94	23.116	58.111
441.		58.109
441.01		

441.02		
441.05		58.108
441.14		58.105
441.24	23.115	58.101
441.34		58.098
441.44		58.095
441.54	23.114	58.091
441.64		58.088
441.74		58.084
441.84	23.113	58.081
441.94		58.077
442.		58.075
442.01		
442.02		
442.05		58.074
442.14	23.112	58.071
442.24		58.067
442.34		58.064
442.44	23.111	58.06
442.54		58.056
442.64		58.053
442.74	23.11	58.049
442.84		58.046
442.94		58.042
443.		58.04
443.01		
443.02	23.109	58.039
443.05		58.038
443.14		58.035
443.24		58.032
443.34	23.108	58.028
443.44		58.024
443.54		58.021
443.64	23.107	58.017
443.74		58.014
443.84		58.01
443.94	23.106	58.007
444.		58.004
444.01		
444.02		
444.05		58.003
444.14		58.
444.24	23.105	57.996
444.34		57.992
444.44		57.989
444.54	23.104	57.985
444.64		57.982
444.74		57.978
444.84	23.103	57.975
444.94		57.971
445.		57.969
445.01		
445.02		57.968
445.05	23.102	57.967
445.14		57.964
445.24		57.961
445.34		57.957
445.44	23.101	57.954
445.54		57.95
445.64		57.947

445.74	23.1	57.943
445.84		57.94
445.94		57.936
446.	23.099	57.934
446.01		
446.02		57.933
446.05		57.932
446.14		57.929
446.24		57.926
446.34	23.098	57.922
446.44		57.919
446.54		57.915
446.64	23.097	57.912
446.74		57.908
446.84		57.905
446.94	23.096	57.901
447.		57.899
447.01		
447.02		
447.05		57.898
447.14		57.895
447.24	23.095	57.891
447.34		57.888
447.44		57.884
447.54		57.881
447.64	23.094	57.877
447.74		57.874
447.84		57.87
447.94	23.093	57.867
448.		57.865
448.01		
448.02		57.864
448.05		57.863
448.14		57.86
448.24	23.092	57.857
448.34		57.854
448.44		57.85
448.54		57.847
448.64	23.091	57.844
448.74		57.84
448.84		57.837
448.94	23.09	57.834
449.		57.832
449.01		57.831
449.02		
449.05		57.83
449.14		57.827
449.24		57.824
449.34	23.089	57.82
449.44		57.817
449.54		57.814
449.64	23.088	57.81
449.74		57.807
449.84		57.804
449.94		57.801
450.	23.087	57.799
450.01		57.798
450.02		
450.05		57.797
450.14		57.794

450.24		57.791
450.34		57.787
450.44	23.086	57.784
450.54		57.781
450.64		57.778
450.74	23.085	57.774
450.84		57.771
450.94		57.768
451.		57.766
451.01		57.765
451.02		
451.05		57.764
451.14	23.084	57.761
451.24		57.758
451.34		57.754
451.44	23.083	57.751
451.54		57.748
451.64		57.744
451.74		57.741
451.84	23.082	57.738
451.94		57.734
452.		57.732
452.01		
452.02		
452.05		57.731
452.14		57.728
452.24	23.081	57.725
452.34		57.721
452.44		57.718
452.54	23.08	57.715
452.64		57.711
452.74		57.708
452.84		57.705
452.94	23.079	57.702
453.		57.7
453.01		57.699
453.02		
453.05		57.698
453.14		57.695
453.24		57.692
453.34	23.078	57.688
453.44		57.685
453.54		57.682
453.64	23.077	57.679
453.74		57.675
453.84		57.672
453.94		57.669
454.	23.076	57.667
454.01		
454.02		57.666
454.05		57.665
454.14		57.662
454.24		57.659
454.34		57.656
454.44	23.075	57.653
454.54		57.65
454.64		57.646
454.74		57.643
454.84		57.64
454.94		57.637

455.	23.074	57.635
455.01		57.634
455.02		
455.05		57.633
455.14	23.073	57.63
455.24		57.627
455.34		57.624
455.44		57.621
455.54	23.072	57.617
455.64		57.614
455.74		57.611
455.84		57.608
455.94	23.071	57.605
456.		57.603
456.01		57.602
456.02		
456.05		57.601
456.14		57.598
456.24		57.595
456.34	23.07	57.592
456.44		57.589
456.54		57.585
456.64		57.582
456.74	23.069	57.579
456.84		57.576
456.94		57.573
457.		57.571
457.01		57.57
457.02		
457.05	23.068	57.569
457.14		57.566
457.24		57.563
457.34		57.56
457.44	23.067	57.557
457.54		57.553
457.64		57.55
457.74		57.547
457.84	23.066	57.544
457.94		57.541
458.		57.539
458.01		
458.02		57.538
458.05		57.537
458.14		57.535
458.24	23.065	57.531
458.34		57.528
458.44		57.525
458.54		57.522
458.64	23.064	57.519
458.74		57.516
458.84		57.512
458.94		57.509
459.	23.063	57.507
459.01		
459.02		
459.05		57.506
459.14		57.503
459.24		57.5
459.34		57.497
459.44		57.494

459.54	23.062	57.49
459.64		57.487
459.74		57.484
459.84	23.061	57.481
459.94		57.478
460.		57.476
460.01		
460.02		57.475
460.05		57.474
460.14		57.472
460.24	23.06	57.468
460.34		57.465
460.44		57.462
460.54		57.459
460.64	23.059	57.456
460.74		57.453
460.84		57.45
460.94		57.447
461.	23.058	57.445
461.01		57.444
461.02		
461.05		57.443
461.14		57.44
461.24		57.437
461.34		57.434
461.44	23.057	57.431
461.54		57.428
461.64		57.425
461.74		57.422
461.84	23.056	57.418
461.94		57.415
462.		57.413
462.01		
462.02		
462.05		57.412
462.14		57.409
462.24	23.055	57.406
462.34		57.403
462.44		57.4
462.54		57.397
462.64	23.054	57.393
462.74		57.39
462.84		57.387
462.94		57.384
463.		57.382
463.01	23.053	
463.02		
463.05		57.381
463.14		57.378
463.24		57.375
463.34		57.371
463.44	23.052	57.368
463.54		57.365
463.64		57.362
463.74		57.359
463.84	23.051	57.356
463.94		57.353
464.		57.351
464.01		
464.02		57.35

464.05		57.349
464.14		57.347
464.24	23.05	57.343
464.34		57.34
464.44		57.337
464.54		57.334
464.64	23.049	57.331
464.74		57.328
464.84		57.325
464.94		57.322
465.		57.32
465.01		
465.02	23.048	57.319
465.05		57.318
465.14		57.316
465.24		57.313
465.34		57.309
465.44	23.047	57.306
465.54		57.303
465.64		57.3
465.74		57.297
465.84		57.294
465.94	23.046	57.291
466.		57.289
466.01		
466.02		
466.05		57.288
466.14		57.285
466.24		57.282
466.34	23.045	57.279
466.44		57.276
466.54		57.273
466.64		57.27
466.74	23.044	57.267
466.84		57.264
466.94		57.261
467.		57.259
467.01		57.258
467.02		
467.05		57.257
467.14	23.043	57.255
467.24		57.252
467.34		57.249
467.44		57.245
467.54	23.042	57.242
467.64		57.239
467.74		57.236
467.84		57.233
467.94		57.23
468.	23.041	57.229
468.01		57.228
468.02		
468.05		57.227
468.14		57.224
468.24		57.221
468.34		57.218
468.44	23.04	57.215
468.54		57.212
468.64		57.209
468.74		57.206

468.84	23.039	57.203
468.94		57.2
469.		57.198
469.01		
469.02		
469.05		57.197
469.14		57.194
469.24		57.191
469.34	23.038	57.188
469.44		57.185
469.54		57.182
469.64		57.179
469.74	23.037	57.176
469.84		57.173
469.94		57.17
470.		57.168
470.01		
470.02		
470.05		57.167
470.14	23.036	57.164
470.24		57.161
470.34		57.158
470.44		57.156
470.54		57.153
470.64	23.035	57.15
470.74		57.147
470.84		57.144
470.94		57.141
471.		57.139
471.01		
471.02		
471.05	23.034	57.138
471.14		57.135
471.24		57.132
471.34		57.129
471.44		57.126
471.54	23.033	57.124
471.64		57.121
471.74		57.118
471.84		57.115
471.94		57.112
472.	23.032	57.11
472.01		
472.02		
472.05		57.109
472.14		57.106
472.24		57.103
472.34		57.1
472.44	23.031	57.098
472.54		57.095
472.64		57.092
472.74		57.089
472.84		57.086
472.94	23.03	57.083
473.		57.082
473.01		57.081
473.02		
473.05		57.08
473.14		57.078
473.24		57.075

473.34		57.072
473.44	23.029	57.069
473.54		57.066
473.64		57.064
473.74		57.061
473.84	23.028	57.058
473.94		57.055
474.		57.054
474.01		57.053
474.02		
474.05		57.052
474.14		57.05
474.24		57.047
474.34	23.027	57.044
474.44		57.042
474.54		57.039
474.64		57.036
474.74		57.034
474.84		57.031
474.94	23.026	57.028
475.		57.027
475.01		57.026
475.02		
475.05		57.025
475.14		57.023
475.24		57.02
475.34		57.018
475.44	23.025	57.015
475.54		57.012
475.64		57.01
475.74		57.007
475.84		57.004
475.94	23.024	57.002
476.		57.
476.01		
476.02		
476.05		56.999
476.14		56.996
476.24		56.994
476.34		56.991
476.44	23.023	56.988
476.54		56.986
476.64		56.983
476.74		56.981
476.84		56.978
476.94		56.975
477.	23.022	56.974
477.01		56.973
477.02		
477.05		56.972
477.14		56.97
477.24		56.967
477.34		56.965
477.44		56.962
477.54	23.021	56.959
477.64		56.957
477.74		56.954
477.84		56.951
477.94		56.949
478.		56.947

478.01		
478.02		56.946
478.05		
478.14	23.02	56.943
478.24		56.94
478.34		56.938
478.44		56.935
478.54		56.932
478.64	23.019	56.929
478.74		56.926
478.84		56.924
478.94		56.921
479.		
479.01		56.919
479.02		
479.05	23.018	56.918
479.14		56.915
479.24		56.913
479.34		56.91
479.44		56.907
479.54		56.904
479.64	23.017	56.901
479.74		56.899
479.84		56.896
479.94		56.893
480.		56.892
480.01		56.891
480.02	23.016	
480.05		56.89
480.14		56.888
480.24		56.885
480.34		56.882
480.44		56.879
480.54	23.015	56.877
480.64		56.874
480.74		56.871
480.84		56.868
480.94		56.866
481.		56.864
481.01	23.014	
481.02		56.863
481.05		
481.14		56.86
481.24		56.857
481.34		56.855
481.44	23.013	56.852
481.54		56.849
481.64		56.846
481.74		56.844
481.84		56.841
481.94		56.838
482.	23.012	56.837
482.01		56.836
482.02		
482.05		56.835
482.14		56.833
482.24		56.83
482.34		56.827
482.44	23.011	56.825
482.54		56.822

482.64		56.819
482.74	23.01	56.816
482.84		56.814
482.94		56.811
483.		56.809
483.01		
483.02		
483.05		56.808
483.14		56.806
483.24	23.009	56.803
483.34		56.8
483.44		56.798
483.54		56.795
483.64		56.793
483.74	23.008	56.79
483.84		56.787
483.94		56.785
484.		56.783
484.01		
484.02		
484.05		56.782
484.14		56.779
484.24	23.007	56.777
484.34		56.774
484.44		56.772
484.54		56.769
484.64		56.766
484.74	23.006	56.764
484.84		56.761
484.94		56.758
485.		56.757
485.01		
485.02		56.756
485.05		
485.14		56.753
485.24	23.005	56.751
485.34		56.748
485.44		56.745
485.54		56.743
485.64		56.74
485.74	23.004	56.737
485.84		56.735
485.94		56.732
486.		56.731
486.01		56.73
486.02		
486.05		56.729
486.14		56.727
486.24	23.003	56.724
486.34		56.722
486.44		56.719
486.54		56.716
486.64		56.714
486.74	23.002	56.711
486.84		56.708
486.94		56.706
487.		56.704
487.01		
487.02		56.703
487.05		

487.14		56.7
487.24	23.001	56.697
487.34		56.695
487.44		56.692
487.54		56.689
487.64		56.687
487.74	23.	56.684
487.84		56.681
487.94		56.679
488.		56.677
488.01		
488.02		56.676
488.05		
488.14		56.673
488.24	22.999	56.67
488.34		56.668
488.44		56.665
488.54		56.662
488.64		56.66
488.74	22.998	56.657
488.84		56.654
488.94		56.651
489.		56.65
489.01		56.649
489.02		
489.05		56.648
489.14	22.997	56.646
489.24		56.643
489.34		56.64
489.44		56.638
489.54		56.635
489.64	22.996	56.632
489.74		56.629
489.84		56.626
489.94		56.623
490.		56.622
490.01		56.621
490.02		
490.05		56.62
490.14	22.995	56.618
490.24		56.615
490.34		56.612
490.44		56.609
490.54	22.994	56.606
490.64		56.603
490.74		56.6
490.84		56.598
490.94	22.993	56.595
491.		56.593
491.01		
491.02		56.592
491.05		56.591
491.14		56.589
491.24		56.586
491.34		56.583
491.44	22.992	56.58
491.54		56.577
491.64		56.574
491.74		56.571
491.84		56.568

491.94	22.991	56.565
492.		56.564
492.01		56.563
492.02		
492.05		56.562
492.14		56.559
492.24	22.99	56.557
492.34		56.554
492.44		56.551
492.54		56.548
492.64		56.545
492.74	22.989	56.542
492.84		56.539
492.94		56.536
493.		56.534
493.01		
493.02		56.533
493.05		
493.14	22.988	56.53
493.24		56.527
493.34		56.524
493.44		56.521
493.54	22.987	56.518
493.64		56.515
493.74		56.512
493.84		56.509
493.94	22.986	56.506
494.		56.504
494.01		
494.02		
494.05		56.503
494.14		56.5
494.24		56.497
494.34		56.494
494.44	22.985	56.491
494.54		56.488
494.64		56.485
494.74		56.482
494.84	22.984	56.479
494.94		56.476
495.		56.475
495.01		56.474
495.02		
495.05		56.473
495.14		56.47
495.24		56.467
495.34	22.983	56.464
495.44		56.461
495.54		56.458
495.64		56.455
495.74	22.982	56.452
495.84		56.449
495.94		56.446
496.		56.445
496.01		56.444
496.02		
496.05		56.443
496.14		56.441
496.24	22.981	56.438
496.34		56.435

496.44		56.432
496.54		56.429
496.64	22.98	56.426
496.74		56.423
496.84		56.42
496.94		56.417
497.		56.415
497.01		56.414
497.02		
497.05		56.413
497.14	22.979	56.411
497.24		56.408
497.34		56.405
497.44		56.402
497.54	22.978	56.399
497.64		56.396
497.74		56.393
497.84		56.39
497.94		56.387
498.	22.977	56.385
498.01		
498.02		56.384
498.05		56.383
498.14		56.381
498.24		56.378
498.34		56.375
498.44	22.976	56.372
498.54		56.369
498.64		56.366
498.74		56.363
498.84		56.36
498.94	22.975	56.357
499.		56.355
499.01		
499.02		
499.05		56.354
499.14		56.351
499.24		56.348
499.34		56.345
499.44	22.974	56.342
499.54		56.339
499.64		56.336
499.74		56.333
499.84		56.33
499.94	22.973	56.327
500.		56.326
500.01		56.325
500.02		
500.05		56.324
500.14		56.322
500.24		56.319
500.34		56.316
500.44	22.972	56.313
500.54		56.31
500.64		56.307
500.74		56.304
500.84		56.301
500.94		56.298
501.		56.296
501.01		

501.02		
501.05		56.295
501.14	22.971	56.292
501.24		56.289
501.34		56.286
501.44		56.283
501.54		56.28
501.64	22.97	56.278
501.74		56.275
501.84		56.272
501.94		56.269
502.		56.267
502.01		
502.02		56.266
502.05	22.969	
502.14		56.263
502.24		56.26
502.34		56.257
502.44		56.254
502.54		56.251
502.64	22.968	56.249
502.74		56.246
502.84		56.243
502.94		56.24
503.		56.238
503.01		
503.02		
503.05	22.967	56.237
503.14		56.234
503.24		56.231
503.34		56.229
503.44		56.226
503.54		56.223
503.64		56.22
503.74	22.966	56.217
503.84		56.214
503.94		56.211
504.		56.21
504.01		56.209
504.02		
504.05		56.208
504.14	22.965	56.206
504.24		56.203
504.34		56.2
504.44		56.197
504.54		56.194
504.64		56.192
504.74		56.189
504.84		56.186
504.94	22.964	56.183
505.		56.182
505.01		56.181
505.02		
505.05		56.18
505.14		56.178
505.24		56.175
505.34	22.963	56.172
505.44		56.169
505.54		56.166
505.64		56.164

505.74	22.962	56.161
505.84		56.158
505.94		56.155
506.		56.154
506.01		56.153
506.02		
506.05		56.152
506.14		56.15
506.24	22.961	56.147
506.34		56.144
506.44		56.141
506.54		56.138
506.64		56.136
506.74		56.133
506.84	22.96	56.13
506.94		56.127
507.		56.126
507.01		56.125
507.02		
507.05		56.124
507.14		56.122
507.24		56.119
507.34		56.116
507.44	22.959	56.114
507.54		56.111
507.64		56.108
507.74		56.105
507.84		56.102
507.94	22.958	56.1
508.		56.098
508.01		
508.02		56.097
508.05		
508.14		56.094
508.24		56.091
508.34		56.089
508.44		56.086
508.54	22.957	56.083
508.64		56.08
508.74		56.078
508.84		56.075
508.94		56.072
509.		56.07
509.01		
509.02		
509.05		56.069
509.14	22.956	56.067
509.24		56.064
509.34		56.061
509.44		56.058
509.54		56.056
509.64		56.053
509.74	22.955	56.05
509.84		56.047
509.94		56.045
510.		56.043
510.01		
510.02		
510.05		56.042
510.14		56.039

510.24		56.037
510.34	22.954	56.034
510.44		56.031
510.54		56.029
510.64		56.026
510.74		56.023
510.84		56.02
510.94	22.953	56.018
511.		56.016
511.01		
511.02		
511.05		56.015
511.14		56.012
511.24		56.01
511.34		56.007
511.44	22.952	56.004
511.54		56.001
511.64		55.999
511.74		55.996
511.84		55.993
511.94		55.99
512.		55.989
512.01	22.951	55.988
512.02		
512.05		55.987
512.14		55.985
512.24		55.982
512.34		55.979
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512.54		55.974
512.64	22.95	55.971
512.74		55.968
512.84		55.966
512.94		55.963
513.		55.961
513.01		
513.02		
513.05		55.96
513.14		55.957
513.24	22.949	55.955
513.34		55.952
513.44		55.949
513.54		55.947
513.64		55.944
513.74	22.948	55.941
513.84		55.938
513.94		55.936
514.		55.934
514.01		
514.02		
514.05		55.933
514.14		55.93
514.24		55.928
514.34	22.947	55.925
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514.54		55.92
514.64		55.917
514.74		55.914
514.84		55.912
514.94		55.909

515.	22.946	55.907
515.01		
515.02		
515.05		55.906
515.14		55.904
515.24		55.901
515.34		55.898
515.44		55.896
515.54	22.945	55.893
515.64		55.891
515.74		55.888
515.84		55.885
515.94		55.883
516.		55.881
516.01		
516.02		
516.05		55.88
516.14	22.944	55.877
516.24		55.875
516.34		55.872
516.44		55.869
516.54		55.867
516.64		55.864
516.74	22.943	55.862
516.84		55.859
516.94		55.856
517.		55.855
517.01		55.854
517.02		
517.05		55.853
517.14		55.851
517.24		55.848
517.34		55.846
517.44	22.942	55.843
517.54		55.84
517.64		55.838
517.74		55.835
517.84		55.833
517.94		55.83
518.	22.941	55.828
518.01		
518.02		
518.05		55.827
518.14		55.825
518.24		55.822
518.34		55.82
518.44		55.817
518.54		55.814
518.64	22.94	55.812
518.74		55.809
518.84		55.807
518.94		55.804
519.		55.803
519.01		55.802
519.02		
519.05		55.801
519.14		55.799
519.24	22.939	55.796
519.34		55.794
519.44		55.791

519.54		55.789
519.64		55.786
519.74		55.783
519.84	22.938	55.781
519.94		55.778
520.		55.777
520.01		
520.02		55.776
520.05		
520.14		55.773
520.24		55.771
520.34		55.768
520.44	22.937	55.765
520.54		55.763
520.64		55.76
520.74		55.758
520.84		55.755
520.94		55.753
521.		55.751
521.01	22.936	
521.02		
521.05		55.75
521.14		55.747
521.24		55.745
521.34		55.742
521.44		55.74
521.54		55.737
521.64	22.935	55.735
521.74		55.732
521.84		55.73
521.94		55.727
522.		55.725
522.01		
522.02		
522.05		55.724
522.14		55.722
522.24	22.934	55.719
522.34		55.717
522.44		55.714
522.54		55.712
522.64		55.709
522.74		55.707
522.84		55.704
522.94	22.933	55.701
523.		55.7
523.01		
523.02		55.699
523.05		
523.14		55.696
523.24		55.694
523.34		55.691
523.44		55.689
523.54	22.932	55.686
523.64		55.684
523.74		55.681
523.84		55.678
523.94		55.676
524.		55.674
524.01		
524.02		

524.05		55.673
524.14	22.931	55.671
524.24		55.668
524.34		55.666
524.44		55.663
524.54		55.661
524.64		55.658
524.74	22.93	55.655
524.84		55.653
524.94		55.65
525.		55.649
525.01		55.648
525.02		
525.05		55.647
525.14		55.645
525.24		55.643
525.34	22.929	55.64
525.44		55.637
525.54		55.635
525.64		55.632
525.74		55.63
525.84		55.627
525.94	22.928	55.625
526.		55.623
526.01		
526.02		55.622
526.05		
526.14		55.619
526.24		55.617
526.34		55.614
526.44		55.612
526.54		55.609
526.64	22.927	55.607
526.74		55.604
526.84		55.601
526.94		55.599
527.		55.597
527.01		
527.02		
527.05		55.596
527.14		55.594
527.24	22.926	55.591
527.34		55.589
527.44		55.586
527.54		55.584
527.64		55.581
527.74		55.578
527.84	22.925	55.576
527.94		55.573
528.		55.572
528.01		55.571
528.02		
528.05		55.57
528.14		55.568
528.24		55.566
528.34		55.563
528.44	22.924	55.56
528.54		55.558
528.64		55.555
528.74		55.553

528.84		55.55
528.94		55.548
529.		
529.01		55.546
529.02		
529.05		55.545
529.14	22.923	55.543
529.24		55.54
529.34		55.537
529.44		55.535
529.54		55.532
529.64		55.53
529.74		55.527
529.84		55.525
529.94		55.522
530.	22.922	55.521
530.01		55.52
530.02		
530.05		55.519
530.14		55.517
530.24		55.514
530.34		55.512
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530.54	22.921	55.507
530.64		55.504
530.74		55.502
530.84		55.499
530.94		55.497
531.		55.495
531.01		
531.02		
531.05	22.92	55.494
531.14		55.492
531.24		55.489
531.34		55.486
531.44		55.484
531.54		55.481
531.64		55.479
531.74		55.476
531.84		55.474
531.94	22.919	55.471
532.		55.47
532.01		55.469
532.02		
532.05		55.468
532.14		55.466
532.24		55.463
532.34		55.461
532.44	22.918	55.458
532.54		55.456
532.64		55.453
532.74		55.451
532.84		55.448
532.94		55.446
533.		55.444
533.01		
533.02	22.917	
533.05		55.443
533.14		55.441
533.24		55.438

533.34		55.435
533.44	22.916	55.433
533.54		55.43
533.64		55.428
533.74		55.425
533.84		55.423
533.94		55.42
534.		55.419
534.01		55.418
534.02		
534.05	22.915	55.417
534.14		55.415
534.24		55.413
534.34		55.41
534.44		55.408
534.54		55.405
534.64		55.402
534.74	22.914	55.4
534.84		55.397
534.94		55.395
535.		55.393
535.01		
535.02		
535.05		55.392
535.14		55.39
535.24		55.387
535.34	22.913	55.385
535.44		55.382
535.54		55.38
535.64		55.377
535.74		55.375
535.84		55.372
535.94		55.37
536.	22.912	55.368
536.01		
536.02		
536.05		55.367
536.14		55.365
536.24		55.362
536.34		55.36
536.44		55.357
536.54		55.355
536.64		55.352
536.74	22.911	55.35
536.84		55.347
536.94		55.345
537.		55.343
537.01		
537.02		
537.05		55.342
537.14		55.34
537.24		55.337
537.34		55.335
537.44	22.91	55.332
537.54		55.33
537.64		55.327
537.74		55.325
537.84		55.322
537.94		55.32
538.		

538.01		55.318
538.02		
538.05		55.317
538.14		55.315
538.24		55.312
538.34		55.31
538.44	22.909	55.307
538.54		55.304
538.64		55.302
538.74		55.299
538.84		55.297
538.94	22.908	55.294
539.		55.293
539.01		
539.02		55.292
539.05		
539.14		55.289
539.24		55.287
539.34		55.284
539.44		55.282
539.54	22.907	55.279
539.64		55.277
539.74		55.274
539.84		55.272
539.94		55.269
540.		55.268
540.01		
540.02		55.267
540.05		
540.14	22.906	55.264
540.24		55.262
540.34		55.259
540.44		55.257
540.54		55.254
540.64		55.252
540.74	22.905	55.249
540.84		55.247
540.94		55.244
541.		55.243
541.01		
541.02		55.242
541.05		
541.14		55.239
541.24		55.237
541.34	22.904	55.234
541.44		55.232
541.54		55.229
541.64		55.227
541.74		55.224
541.84		55.222
541.94		55.219
542.	22.903	55.218
542.01		
542.02		55.217
542.05		
542.14		55.214
542.24		55.212
542.34		55.209
542.44		55.207
542.54		55.204

542.64	22.902	55.202
542.74		55.199
542.84		55.197
542.94		55.195
543.		55.193
543.01		
543.02		
543.05		55.192
543.14		55.19
543.24		55.187
543.34	22.901	55.185
543.44		55.182
543.54		55.18
543.64		55.177
543.74		55.175
543.84		55.172
543.94		55.17
544.	22.9	55.168
544.01		
544.02		
544.05		55.167
544.14		55.165
544.24		55.163
544.34		55.16
544.44		55.158
544.54		55.155
544.64		55.153
544.74	22.899	55.15
544.84		55.148
544.94		55.146
545.		55.144
545.01		
545.02		
545.05		55.143
545.14		55.141
545.24		55.138
545.34		55.136
545.44	22.898	55.133
545.54		55.131
545.64		55.129
545.74		55.126
545.84		55.124
545.94		55.121
546.		55.12
546.01		
546.02		55.119
546.05		
546.14	22.897	55.117
546.24		55.114
546.34		55.112
546.44		55.109
546.54		55.107
546.64		55.104
546.74		55.102
546.84	22.896	55.1
546.94		55.097
547.		55.096
547.01		55.095
547.02		
547.05		

547.14		55.092
547.24		55.09
547.34		55.087
547.44		55.085
547.54	22.895	55.083
547.64		55.08
547.74		55.078
547.84		55.075
547.94		55.073
548.		55.071
548.01		
548.02		
548.05		55.07
548.14		55.068
548.24	22.894	55.066
548.34		55.063
548.44		55.061
548.54		55.058
548.64		55.056
548.74		55.053
548.84		55.051
548.94	22.893	55.049
549.		55.047
549.01		
549.02		
549.05		55.046
549.14		55.044
549.24		55.041
549.34		55.039
549.44		55.037
549.54		55.034
549.64		55.032
549.74	22.892	55.029
549.84		55.027
549.94		55.025
550.		55.023
550.01		
550.02		
550.05		55.022
550.14		55.02
550.24		55.017
550.34		55.015
550.44	22.891	55.012
550.54		55.01
550.64		55.008
550.74		55.005
550.84		55.003
550.94		55.
551.		54.999
551.01		
551.02		54.998
551.05		
551.14	22.89	54.995
551.24		54.993
551.34		54.991
551.44		54.988
551.54		54.986
551.64		54.983
551.74		54.981
551.84		54.978

551.94		54.976
552.		54.975
552.01		54.974
552.02		
552.05	22.889	54.973
552.14		54.971
552.24		54.969
552.34		54.966
552.44		54.964
552.54		54.961
552.64		54.959
552.74		54.957
552.84		54.954
552.94	22.888	54.952
553.		54.95
553.01		
553.02		
553.05		54.949
553.14		54.947
553.24		54.944
553.34		54.942
553.44		54.94
553.54	22.887	54.937
553.64		54.935
553.74		54.932
553.84		54.93
553.94		54.928
554.		54.926
554.01		
554.02		
554.05		54.925
554.14	22.886	54.923
554.24		54.92
554.34		54.918
554.44		54.916
554.54		54.913
554.64		54.911
554.74		54.908
554.84		54.906
554.94		54.904
555.		54.902
555.01	22.885	
555.02		
555.05		54.901
555.14		54.899
555.24		54.896
555.34		54.894
555.44		54.892
555.54		54.889
555.64		54.887
555.74		54.884
555.84	22.884	54.882
555.94		54.88
556.		54.878
556.01		
556.02		
556.05		54.877
556.14		54.875
556.24		54.873
556.34		54.87

556.44	22.883	54.868
556.54		54.866
556.64		54.863
556.74		54.861
556.84		54.859
556.94	22.882	54.856
557.		54.855
557.01		
557.02		54.854
557.05		
557.14		54.852
557.24		54.849
557.34		54.847
557.44		54.845
557.54		54.842
557.64		54.84
557.74	22.881	54.838
557.84		54.835
557.94		54.833
558.		54.832
558.01		
558.02		54.831
558.05		
558.14		54.829
558.24		54.826
558.34		54.824
558.44		54.822
558.54	22.88	54.82
558.64		54.817
558.74		54.815
558.84		54.813
558.94		54.811
559.		54.809
559.01		
559.02		
559.05		54.808
559.14		54.806
559.24		54.804
559.34	22.879	54.802
559.44		54.799
559.54		54.797
559.64		54.795
559.74		54.793
559.84		54.791
559.94		54.788
560.		54.787
560.4	22.878	54.778
560.8		54.77
562.	22.877	54.744
565.6	22.872	54.666
569.6	22.868	54.58
573.6	22.863	54.495
577.6	22.858	54.409
581.6	22.853	54.325
585.6	22.849	54.24
589.6	22.844	54.156
593.6	22.84	54.072
597.6	22.835	53.988
600.	22.832	53.938
606.	22.826	53.814

612.	22.82	53.69
630.	22.802	53.326
684.	22.756	52.275
738.	22.715	51.262
798.	22.677	50.183
858.	22.642	49.145
918.	22.612	48.144
978.	22.584	47.181
1038.	22.559	46.251
1098.	22.536	45.352
1158.	22.515	44.485
1200.	22.501	43.892
1212.	22.498	43.724
1224.	22.494	43.558
1260.	22.483	43.066
1296.	22.472	42.585
1404.	22.445	41.223
1524.	22.418	39.804
1644.	22.394	38.472
1764.	22.372	37.221
1884.	22.322	36.045
2004.	22.277	34.94
2124.	22.238	33.901
2244.	22.204	32.924
2322.	22.183	32.313
2400.	22.164	31.726
2412.	22.161	31.637
2424.	22.159	31.548
2460.	22.15	31.285
2496.	22.143	31.027
2604.	22.121	30.296
2724.	22.1	29.532
2844.	22.081	28.811
2964.	22.063	28.134
3084.	22.047	27.495
3204.	22.033	26.893
3324.	22.02	26.327
3444.	22.007	25.793
3522.	22.	25.564
3600.	21.992	25.419
3612.	21.991	25.397
3624.	21.99	25.375
3660.	21.987	25.309
3768.	21.978	25.119
3876.	21.969	24.937
3996.	21.961	24.741
4116.	21.95	24.554
4236.	21.937	24.374
4356.	21.924	24.208
4476.	21.912	24.069
4596.	21.877	23.935
4716.	21.597	23.805
4800.	21.408	23.716
4812.	21.381	23.704
4824.	21.355	23.691
4860.	21.277	23.654
4968.	21.054	23.545
5076.	20.842	23.44
5196.	20.62	23.327
5316.	20.411	23.218
5436.		

	20.213	23.112
5556.	20.027	23.01
5676.	19.851	22.912
5796.	19.685	22.829
5916.	19.529	22.748
6000.	19.424	22.693
6012.	19.409	22.685
6024.	19.394	22.677
6060.	19.351	22.654
6168.	19.226	22.585
6276.	19.108	22.519
6396.	18.984	22.447
6516.	18.867	22.378
6636.	18.756	22.31
6756.	18.652	22.244
6876.	18.553	22.181
6996.	18.461	22.17
7116.	18.373	
7200.	18.314	
7212.	18.305	
7224.	18.297	
7260.	18.273	
7368.	18.206	
7476.	18.144	
7596.	18.081	
7716.	18.022	22.171
7836.	17.969	
7956.	17.919	22.172
8076.	17.874	
8196.	17.832	22.173
8316.	17.793	
8400.	17.768	22.174
8412.	17.765	
8424.	17.761	
8460.	17.75	
8568.	17.719	
8676.	17.69	
8796.	17.658	22.175
8916.	17.627	
9036.	17.598	
9156.	17.569	
9276.	17.542	22.176
9396.	17.516	
9516.	17.491	
9600.	17.475	
9612.	17.472	
9624.	17.47	
9660.	17.463	
9768.	17.442	22.177
9888.	17.421	
10008	17.4	
10128	17.38	
10248	17.361	
10368	17.343	22.178
10488	17.324	
10608	17.307	
10728	17.291	
10800	17.282	

FIGURE 16

Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Drum T

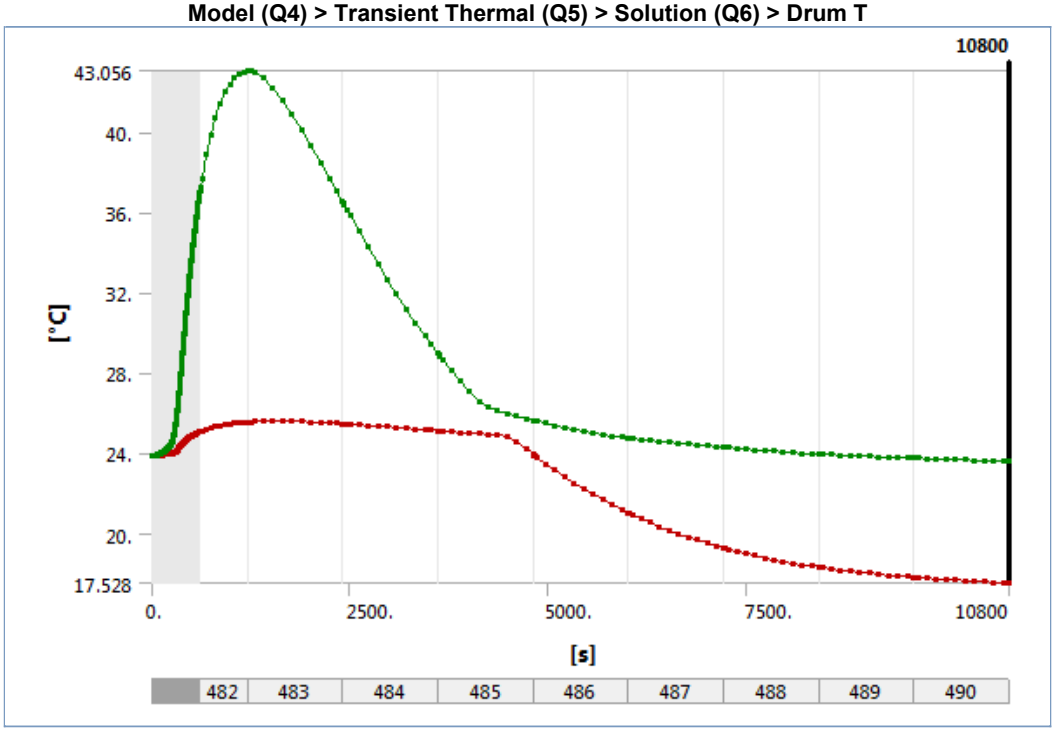

TABLE 27
Model (Q4) > Transient Thermal (Q5) > Solution (Q6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		

4.88			
5.08			
5.28			
5.48			
5.68			
5.88			
6.			
6.02			
6.04			
6.1			
6.28			
6.48			
6.68			
6.88			
7.08			
7.28			
7.48			
7.68			
7.88			
8.			
8.02			
8.04			
8.1			
8.28			
8.48			
8.68			
8.88			
9.08			
9.28			
9.48			
9.68			
9.88			
10.			
10.02			
10.04			
10.1			
10.28			
10.48			
10.68			
10.88			
11.08			
11.28			
11.48			
11.68			
11.88			
12.			
12.02			
12.04			
12.1			
12.28			
12.48			
12.68			
12.88			
13.08			
13.28			
13.48			
13.68			
13.88			
14.			
14.02			
14.04			

14.1			
14.28			
14.48			
14.68			
14.88			
15.08			
15.28			
15.48			
15.68			
15.88			
16.			
16.02			
16.04			
16.1			
16.28			
16.48			
16.68			
16.88			
17.08			
17.28			
17.48			
17.68			
17.88			
18.			
18.02			
18.04			
18.1			
18.28			
18.48			
18.68	23.89		
18.88			
19.08			
19.28			
19.48			
19.68			
19.88			
20.			
20.02			
20.04			
20.1			
20.28			
20.48			
20.68			
20.88			
21.08			
21.28			
21.48			
21.68			
21.88			
22.			
22.02			
22.04			
22.1			
22.28			
22.48			
22.68			
22.88			
23.08			
23.28			

		23.89
23.48		
23.68		
23.88		
24.		
24.02		
24.04		
24.1		
24.28		
24.48		
24.68		
24.88		
25.08		
25.28		23.891
25.48		
25.68		
25.88		
26.		
26.02		
26.04		
26.1		
26.28		
26.48		
26.68		
26.88		
27.08		
27.28		
27.48		
27.68		
27.88		
28.		
28.02		
28.04		
28.1		
28.28		
28.48		
28.68		23.892
28.88		
29.08		
29.28		
29.48		
29.68		
29.88		
30.		
30.02		
30.04		
30.1		
30.28		
30.48		
30.68		
30.88		
31.08		
31.28		
31.48		23.893
31.68		
31.88		
32.		
32.02		
32.04		
32.1		

32.28		
32.48		
32.68		
32.88		23.894
33.08		
33.28		
33.48		
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		
34.48		
34.68		
34.88		
35.08		23.895
35.28		
35.48		
35.68		
35.88		
36.		
36.02		
36.04		
36.1		
36.28		
36.48		
36.68		
36.88		
37.08	23.891	
37.28		23.896
37.48		
37.68		
37.88		
38.		
38.02		
38.04		
38.1		
38.28		
38.48		
38.68		
38.88		
39.08		23.897
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		
40.1		
40.28		
40.48		
40.68		
40.88		
41.08		
41.28		
41.48		
41.68		

41.88		
42.		
42.02		
42.04		23.898
42.1		
42.28		
42.48		
42.68		
42.88		
43.08		
43.28		
43.48		23.899
43.68		
43.88		
44.		
44.02		
44.04		
44.1		
44.28		
44.48		
44.68		
44.88		23.9
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		23.901
46.28		
46.48		
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		
47.88	23.892	
48.		23.902
48.02		
48.04		
48.1		
48.28		
48.48		
48.68		
48.88		
49.08		
49.28		23.903
49.48		
49.68		
49.88		
50.		
50.02		
50.04		
50.1		23.904
50.28		
50.48		
50.68		

50.88		
51.08		
51.28		23.905
51.48		
51.68		
51.88		
52.		
52.02		
52.04		
52.1		
52.28		
52.48		23.906
52.68		
52.88		
53.08		
53.28		
53.48	23.893	23.907
53.68		
53.88		
54.		
54.02		
54.04		
54.1		
54.28		
54.48		
54.68		23.908
54.88		
55.08		
55.28		
55.48		
55.68		
55.88		
56.		23.909
56.02		
56.04		
56.1		
56.28		
56.48		
56.68		
56.88		
57.08		
57.28		23.91
57.48		
57.68		
57.88		
58.		
58.02		
58.04		
58.1		
58.28		23.911
58.48		
58.68		
58.88		
59.08		
59.28		23.912
59.48		
59.68		
59.88		
60.		
60.02		

60.04		
60.1		
60.28		
60.48		23.913
60.68		
60.88		
61.08		
61.28		
61.48		23.914
61.68		
61.88		
62.		
62.02		
62.04		
62.1		
62.28		
62.48		23.915
62.68		
62.88		
63.08		
63.28		
63.48		23.916
63.68		
63.88		
64.		
64.02		
64.04		
64.1	23.894	
64.28		
64.48		23.917
64.68		
64.88		
65.08		
65.28		23.918
65.48		
65.68		
65.88		
66.		
66.02		
66.04		
66.1		23.919
66.28		
66.48		
66.68		
66.88		
67.08		23.92
67.28		
67.48		
67.68		
67.88		
68.		
68.02		
68.04		23.921
68.1		
68.28		
68.48		
68.68		
68.88		23.922
69.08		
69.28		

69.48		
69.68		23.923
69.88		
70.		
70.02		
70.04		
70.1		
70.28		
70.48		23.924
70.68		
70.88		
71.08		
71.28		23.925
71.48	23.895	
71.68		
71.88		
72.		23.926
72.02		
72.04		
72.1		
72.28		
72.48		
72.68		
72.88		23.927
73.08		
73.28		
73.48		
73.68		23.928
73.88		
74.		
74.02		
74.04		
74.1		
74.28		23.929
74.48		
74.68		
74.88		
75.08		23.93
75.28		
75.48		
75.68		
75.88		23.931
76.		
76.02	23.896	
76.04		
76.1		
76.28		
76.48		23.932
76.68		
76.88		
77.08		
77.28		23.933
77.48		
77.68		
77.88		
78.		23.934
78.02		
78.04		
78.1		
78.28		

78.48		
78.68		23.935
78.88	23.897	
79.08		
79.28		23.936
79.48		
79.68		
79.88		
80.		23.937
80.02		
80.04		
80.1		
80.28		
80.48		
80.68		23.938
80.88		
81.08		
81.28		23.939
81.48		
81.68		
81.88		
82.		23.94
82.02		
82.04		
82.1		
82.28		
82.48		
82.68		23.941
82.88		
83.08		
83.28		23.942
83.48		
83.68		
83.88	23.898	23.943
84.		
84.02		
84.04		
84.1		
84.28		
84.48		
84.68		23.944
84.88		
85.08		
85.28		23.945
85.48		
85.68		
85.88		23.946
86.		
86.02		
86.04		
86.1		
86.28		
86.48		23.947
86.68		
86.88		
87.08		23.948
87.28		
87.48		
87.68		
87.88		

88.		23.949
88.02		
88.04		
88.1		
88.28		23.95
88.48		
88.68	23.899	23.951
88.88		
89.08		
89.28		23.952
89.48		
89.68		
89.88		
90.		
90.02		
90.04		23.953
90.1		
90.28		
90.48		23.954
90.68		
90.88		
91.08		23.955
91.28		
91.48		
91.68		23.956
91.88		
92.		
92.02		
92.04		23.957
92.1		
92.28		
92.48		23.958
92.68		
92.88		
93.08		23.959
93.28		
93.48		
93.68		
93.88		
94.		
94.02		
94.04		23.96
94.1		
94.28		
94.48		23.961
94.68		
94.88		
95.08	23.9	23.962
95.28		
95.48		
95.68		23.963
95.88		
96.		
96.02		
96.04		23.964
96.1		
96.28		
96.48		
96.68		
96.88		

97.08		23.965
97.28		
97.48		
97.68	23.901	23.966
97.88		
98.		
98.02		
98.04		
98.1		
98.28		23.967
98.48		
98.68		
98.88		23.968
99.08		
99.28		23.969
99.48		
99.68		
99.88		23.97
100.		
100.02		
100.04		
100.1		
100.28		
100.48		23.971
100.68		
100.88		
101.08		23.972
101.28		
101.48		23.973
101.68		
101.88		
102.		23.974
102.02		
102.04		
102.1		
102.28	23.902	23.975
102.48		
102.68		
102.88		23.976
103.08		
103.28		
103.48		23.977
103.68		
103.88		
104.		
104.02		
104.04		
104.1		23.978
104.28		
104.48		23.979
104.68		
104.88		
105.08		23.98
105.28		
105.48		
105.68		23.981
105.88		
106.		
106.02		
106.04		

106.1		
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106.48		
106.68	23.903	23.983
106.88		
107.08		
107.28		23.984
107.48		
107.68		23.985
107.88		
108.		
108.02		
108.04		
108.1		
108.28		
108.48		23.986
108.68		
108.88		23.987
109.08		
109.28		23.988
109.48		
109.68		23.989
109.88		
110.		
110.02		
110.04		
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221.94		
222.		24.346
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222.94		
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223.34		
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223.64		24.354
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223.94		24.356
224.		
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224.02		
224.05		
224.14	23.944	24.357
224.24		
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224.64		
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225.14		24.362
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225.64		
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225.84		
225.94		24.366
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226.01		
226.02		
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226.14		
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226.64	23.945	24.37
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226.94		
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227.02		
227.05		
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227.24		
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227.44		
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233.74		24.416
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234.54		24.422
234.64		

234.74		24.423
234.84		24.424
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235.44		
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235.64		24.43
235.74		24.431
235.84		
235.94	23.953	24.432
236.		24.433
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236.05		
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236.54		24.437
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236.74		
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236.94	23.954	24.44
237.		24.441
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237.02		
237.05		
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237.24		
237.34		24.443
237.44		24.444
237.54		24.445
237.64		24.446
237.74		
237.84		24.447
237.94	23.955	24.448
238.		24.449
238.01		
238.02		
238.05		
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238.24		24.451
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238.54		24.453
238.64		24.454
238.74		24.455
238.84		
238.94	23.956	24.456
239.		24.457
239.01		
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239.24		24.459
239.34		24.46
239.44		24.461
239.54		
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239.74		24.463
239.84	23.957	24.464
239.94		24.465
240.		
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240.44		24.469
240.54		24.47
240.64		24.471
240.74	23.958	24.472
240.84		24.473
240.94		24.474
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241.02		
241.05		24.475
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241.44		24.478
241.54		24.479
241.64	23.959	24.48
241.74		24.481
241.84		24.482
241.94		24.483
242.		
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242.02		
242.05		24.484
242.14		
242.24		24.485
242.34		24.486
242.44	23.96	24.487
242.54		24.488
242.64		24.489
242.74		24.49
242.84		24.491
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243.		
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243.02		
243.05		
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243.54		24.498
243.64		24.499
243.74		24.5
243.84		24.501
243.94		

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244.54		24.508
244.64		24.509
244.74		24.51
244.84	23.963	24.511
244.94		24.512
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245.02		
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245.24		24.517
245.34		24.518
245.44		24.519
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245.64	23.964	24.521
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245.84		
245.94		24.523
246.		
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246.24		24.528
246.34	23.965	24.529
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246.54		24.531
246.64		24.532
246.74		24.533
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246.94		24.534
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247.24		24.541
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247.54		24.544
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247.84		24.546
247.94		24.547
248.		24.549
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248.34		
248.44		

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248.64		24.551
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248.94		24.554
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251.64		24.586
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252.		24.59
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252.64		24.598
252.74		24.599
252.84		24.6
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253.84		24.613
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255.64		24.636
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255.94	23.98	24.639
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256.54	23.981	24.647
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256.84		24.651
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257.64		24.662
257.74		24.663

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259.94	23.987	24.694
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266.94		24.8
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286.94		25.174
287.		25.175
287.01		25.176
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287.84		25.193
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288.54		25.208
288.64		25.211
288.74	24.053	25.213
288.84		25.215
288.94		25.217
289.		25.218
289.01		25.219
289.02	24.054	
289.05		25.22
289.14		25.222
289.24		25.224
289.34		25.226
289.44	24.055	25.228
289.54		25.23
289.64		25.233
289.74		25.235
289.84	24.056	25.237
289.94		25.239
290.		25.241
290.01		

290.02		
290.05		25.242
290.14	24.057	25.244
290.24		25.246
290.34		25.248
290.44		25.25
290.54	24.058	25.253
290.64		25.255
290.74		25.257
290.84		25.259
290.94	24.059	25.262
291.		25.263
291.01		
291.02		
291.05		25.264
291.14		25.266
291.24	24.06	25.268
291.34		25.271
291.44		25.273
291.54		25.275
291.64	24.061	25.277
291.74		25.28
291.84		25.282
291.94	24.062	25.284
292.		25.285
292.01		25.286
292.02		
292.05		25.287
292.14		25.289
292.24		25.291
292.34	24.063	25.293
292.44		25.296
292.54		25.298
292.64	24.064	25.3
292.74		25.302
292.84		25.305
292.94		25.307
293.	24.065	25.308
293.01		25.309
293.02		
293.05		25.31
293.14		25.312
293.24		25.314
293.34	24.066	25.316
293.44		25.319
293.54		25.321
293.64		25.323
293.74	24.067	25.325
293.84		25.328
293.94		25.33
294.		25.332
294.01		
294.02		
294.05	24.068	25.333
294.14		25.335
294.24		25.337
294.34		25.339
294.44	24.069	25.342
294.54		25.344
294.64		25.347

294.74	24.07	25.349
294.84		25.351
294.94		25.354
295.		25.355
295.01		
295.02		
295.05		25.356
295.14	24.071	25.358
295.24		25.361
295.34		25.363
295.44	24.072	25.365
295.54		25.368
295.64		25.37
295.74		25.373
295.84	24.073	25.375
295.94		25.377
296.		25.379
296.01		
296.02		
296.05		25.38
296.14	24.074	25.382
296.24		25.385
296.34		25.387
296.44		25.39
296.54	24.075	25.392
296.64		25.395
296.74		25.397
296.84	24.076	25.4
296.94		25.402
297.		25.404
297.01		
297.02		
297.05		25.405
297.14	24.077	25.407
297.24		25.41
297.34		25.412
297.44	24.078	25.415
297.54		25.417
297.64		25.42
297.74	24.079	25.422
297.84		25.425
297.94		25.427
298.		25.429
298.01		
298.02		
298.05	24.08	25.43
298.14		25.433
298.24		25.435
298.34		25.438
298.44	24.081	25.44
298.54		25.443
298.64		25.446
298.74	24.082	25.448
298.84		25.451
298.94		25.453
299.	24.083	25.455
299.01		
299.02		
299.05		25.456
299.14		25.459

299.24		25.461
299.34	24.084	25.464
299.44		25.467
299.54		25.469
299.64	24.085	25.472
299.74		25.475
299.84		25.477
299.94	24.086	25.48
300.		25.482
300.01		
300.02		
300.05		25.483
300.14		25.485
300.24	24.087	25.488
300.34		25.491
300.44		25.494
300.54	24.088	25.496
300.64		25.499
300.74		25.502
300.84	24.089	25.505
300.94		25.507
301.		25.509
301.01		
301.02		25.51
301.05	24.09	
301.14		25.513
301.24		25.516
301.34	24.091	25.519
301.44		25.521
301.54		25.524
301.64	24.092	25.527
301.74		25.53
301.84		25.533
301.94	24.093	25.536
302.		25.537
302.01		25.538
302.02		
302.05		25.539
302.14		25.541
302.24	24.094	25.544
302.34		25.547
302.44	24.095	25.55
302.54		25.553
302.64		25.556
302.74	24.096	25.558
302.84		25.561
302.94		25.564
303.	24.097	25.566
303.01		
303.02		25.567
303.05		
303.14		25.57
303.24		25.573
303.34	24.098	25.576
303.44		25.579
303.54	24.099	25.582
303.64		25.585
303.74		25.588
303.84		25.591
303.94		25.594

304.	24.1	25.596
304.01		
304.02		
304.05	24.101	25.597
304.14		25.6
304.24		25.603
304.34	24.102	25.606
304.44		25.609
304.54		25.612
304.64	24.103	25.615
304.74		25.619
304.84	24.104	25.622
304.94		25.625
305.		25.627
305.01		
305.02		
305.05	24.105	25.628
305.14		25.631
305.24		25.634
305.34	24.106	25.638
305.44		25.641
305.54	24.107	25.644
305.64		25.647
305.74		25.651
305.84	24.108	25.654
305.94		25.657
306.		25.659
306.01	24.109	25.66
306.02		
306.05		25.661
306.14		25.664
306.24	24.11	25.667
306.34		25.671
306.44		25.674
306.54	24.111	25.677
306.64		25.681
306.74	24.112	25.684
306.84		25.687
306.94	24.113	25.691
307.		25.693
307.01		
307.02		25.694
307.05		25.695
307.14	24.114	25.698
307.24		25.701
307.34		25.705
307.44	24.115	25.708
307.54		25.711
307.64	24.116	25.715
307.74		25.718
307.84	24.117	25.722
307.94		25.725
308.		25.728
308.01		
308.02	24.118	
308.05		25.729
308.14		25.732
308.24	24.119	25.736
308.34		25.739
308.44		25.743

308.54	24.12	25.746
308.64		25.75
308.74	24.121	25.754
308.84		25.757
308.94	24.122	25.761
309.		25.763
309.01		
309.02		
309.05		25.765
309.14	24.123	25.768
309.24		25.771
309.34	24.124	25.775
309.44		25.778
309.54	24.125	25.782
309.64		25.786
309.74	24.126	25.789
309.84		25.793
309.94		25.796
310.	24.127	25.799
310.01		
310.02		
310.05		25.8
310.14		25.804
310.24	24.128	25.807
310.34		25.811
310.44	24.129	25.814
310.54		25.818
310.64	24.13	25.822
310.74		25.825
310.84	24.131	25.829
310.94		25.833
311.	24.132	25.835
311.01		
311.02		25.836
311.05		25.837
311.14		25.84
311.24	24.133	25.844
311.34		25.847
311.44	24.134	25.851
311.54		25.855
311.64	24.135	25.858
311.74		25.862
311.84	24.136	25.866
311.94		25.869
312.		25.872
312.01		
312.02		
312.05	24.137	25.873
312.14		25.877
312.24		25.88
312.34	24.138	25.884
312.44		25.888
312.54	24.139	25.892
312.64		25.895
312.74	24.14	25.899
312.84		25.903
312.94	24.141	25.906
313.		25.909
313.01		
313.02		

313.05		25.911
313.14	24.142	25.914
313.24		25.918
313.34	24.143	25.921
313.44		25.925
313.54	24.144	25.929
313.64		25.933
313.74	24.145	25.936
313.84		25.94
313.94	24.146	25.944
314.		25.946
314.01		25.947
314.02		
314.05		25.948
314.14	24.147	25.951
314.24		25.955
314.34	24.148	25.959
314.44		25.963
314.54	24.149	25.967
314.64		25.97
314.74	24.15	25.974
314.84		25.978
314.94	24.151	25.982
315.		25.984
315.01		25.985
315.02		
315.05		25.986
315.14	24.152	25.989
315.24		25.993
315.34		25.997
315.44	24.153	26.001
315.54		26.005
315.64	24.154	26.009
315.74		26.013
315.84	24.155	26.016
315.94		26.02
316.	24.156	26.023
316.01		
316.02		
316.05		26.025
316.14		26.028
316.24	24.157	26.032
316.34		26.036
316.44	24.158	26.04
316.54		26.044
316.64	24.159	26.047
316.74		26.051
316.84	24.16	26.055
316.94		26.059
317.	24.161	26.062
317.01		
317.02		
317.05		26.063
317.14		26.067
317.24	24.162	26.071
317.34		26.075
317.44	24.163	26.079
317.54		26.083
317.64	24.164	26.087
317.74		26.091

317.84	24.165	26.095
317.94		26.099
318.	24.166	26.101
318.01		
318.02		26.102
318.05		26.103
318.14		26.107
318.24	24.167	26.111
318.34		26.115
318.44	24.168	26.119
318.54		26.123
318.64	24.169	26.127
318.74	24.17	26.13
318.84		26.134
318.94	24.171	26.138
319.		26.141
319.01		
319.02		26.142
319.05		26.143
319.14	24.172	26.147
319.24		26.151
319.34	24.173	26.155
319.44		26.159
319.54	24.174	26.163
319.64		26.167
319.74	24.175	26.171
319.84		26.175
319.94	24.176	26.179
320.		26.181
320.01		
320.02		26.182
320.05		26.183
320.14	24.177	26.187
320.24		26.191
320.34	24.178	26.195
320.44		26.199
320.54	24.179	26.203
320.64		26.207
320.74	24.18	26.211
320.84		26.215
320.94	24.181	26.219
321.		26.222
321.01		
321.02		
321.05		26.224
321.14	24.182	26.227
321.24		26.231
321.34	24.183	26.235
321.44		26.239
321.54	24.184	26.244
321.64		26.248
321.74	24.185	26.252
321.84		26.256
321.94	24.186	26.26
322.		26.262
322.01		26.263
322.02		
322.05		26.264
322.14	24.187	26.268
322.24		26.272

322.34	24.188	26.276
322.44		26.28
322.54	24.189	26.284
322.64		26.288
322.74	24.19	26.293
322.84		26.297
322.94	24.191	26.301
323.		26.303
323.01		26.304
323.02		
323.05		26.305
323.14	24.192	26.309
323.24		26.313
323.34	24.193	26.317
323.44		26.321
323.54	24.194	26.325
323.64		26.33
323.74	24.195	26.334
323.84		26.338
323.94	24.196	26.342
324.		26.344
324.01		26.345
324.02		
324.05	24.197	26.346
324.14		26.35
324.24	24.198	26.354
324.34		26.358
324.44	24.199	26.363
324.54		26.367
324.64	24.2	26.371
324.74		26.375
324.84	24.201	26.379
324.94		26.383
325.		26.386
325.01		
325.02		
325.05	24.202	26.388
325.14		26.391
325.24	24.203	26.396
325.34		26.4
325.44	24.204	26.404
325.54		26.408
325.64	24.205	26.412
325.74		26.416
325.84	24.206	26.42
325.94		26.425
326.		26.427
326.01		
326.02	24.207	26.428
326.05		26.429
326.14		26.433
326.24	24.208	26.437
326.34		26.441
326.44	24.209	26.445
326.54		26.449
326.64	24.21	26.454
326.74		26.458
326.84	24.211	26.462
326.94		26.466
327.		

327.01	24.212	26.469
327.02		
327.05		26.471
327.14		26.474
327.24	24.213	26.479
327.34		26.483
327.44	24.214	26.487
327.54		26.491
327.64	24.215	26.495
327.74		26.499
327.84	24.216	26.503
327.94		26.508
328.		26.51
328.01	24.217	26.511
328.02		
328.05		26.512
328.14		26.516
328.24	24.218	26.52
328.34		26.524
328.44	24.219	26.528
328.54		26.533
328.64	24.22	26.537
328.74		26.541
328.84	24.221	26.545
328.94		26.549
329.		26.552
329.01	24.222	
329.02		26.553
329.05		26.554
329.14		26.558
329.24	24.223	26.562
329.34		26.566
329.44	24.224	26.57
329.54		26.574
329.64	24.225	26.579
329.74		26.583
329.84	24.226	26.587
329.94		26.591
330.		26.594
330.01		
330.02	24.227	
330.05		26.596
330.14		26.6
330.24	24.228	26.604
330.34		26.608
330.44	24.229	26.612
330.54		26.616
330.64	24.23	26.62
330.74		26.625
330.84	24.231	26.629
330.94		26.633
331.		26.636
331.01		
331.02	24.232	
331.05		26.638
331.14		26.641
331.24	24.233	26.646
331.34		26.65
331.44	24.234	26.654
331.54		26.658

331.64	24.235	26.662
331.74		26.667
331.84	24.236	26.671
331.94		26.675
332.		26.678
332.01		
332.02		
332.05	24.237	26.68
332.14		26.683
332.24	24.238	26.688
332.34		26.692
332.44	24.239	26.696
332.54		26.7
332.64		26.705
332.74	24.24	26.709
332.84		26.713
332.94	24.241	26.717
333.		26.72
333.01		
333.02		26.721
333.05	24.242	26.722
333.14		26.726
333.24		26.73
333.34	24.243	26.734
333.44		26.738
333.54	24.244	26.743
333.64		26.747
333.74	24.245	26.751
333.84		26.755
333.94	24.246	26.759
334.		26.762
334.01		
334.02		26.763
334.05		26.764
334.14	24.247	26.768
334.24		26.772
334.34	24.248	26.776
334.44		26.781
334.54	24.249	26.785
334.64		26.789
334.74	24.25	26.793
334.84		26.798
334.94	24.251	26.802
335.		26.804
335.01		26.805
335.02		
335.05		26.806
335.14	24.252	26.81
335.24		26.814
335.34	24.253	26.819
335.44		26.823
335.54	24.254	26.827
335.64		26.831
335.74	24.255	26.836
335.84		26.84
335.94	24.256	26.844
336.		26.847
336.01		
336.02		26.848
336.05		26.849

336.14	24.257	26.853
336.24		26.857
336.34	24.258	26.861
336.44		26.865
336.54	24.259	26.87
336.64		26.874
336.74	24.26	26.878
336.84		26.882
336.94		26.887
337.	24.261	26.889
337.01		26.89
337.02		
337.05		26.891
337.14		26.895
337.24	24.262	26.899
337.34		26.904
337.44	24.263	26.908
337.54		26.912
337.64	24.264	26.916
337.74		26.921
337.84	24.265	26.925
337.94		26.929
338.	24.266	26.932
338.01		
338.02		26.933
338.05		26.934
338.14		26.938
338.24	24.267	26.942
338.34		26.946
338.44	24.268	26.951
338.54		26.955
338.64	24.269	26.959
338.74		26.963
338.84	24.27	26.968
338.94		26.972
339.		26.974
339.01		26.975
339.02	24.271	
339.05		26.977
339.14		26.98
339.24	24.272	26.985
339.34		26.989
339.44	24.273	26.993
339.54		26.997
339.64		27.002
339.74	24.274	27.006
339.84		27.01
339.94	24.275	27.015
340.		27.017
340.01		27.018
340.02		
340.05		27.019
340.14	24.276	27.023
340.24		27.027
340.34	24.277	27.032
340.44		27.036
340.54	24.278	27.04
340.64		27.045
340.74	24.279	27.049
340.84		27.053

340.94	24.28	27.057
341.		27.06
341.01		
341.02		27.061
341.05		27.062
341.14	24.281	27.066
341.24		27.07
341.34	24.282	27.075
341.44		27.079
341.54	24.283	27.083
341.64		27.087
341.74	24.284	27.092
341.84		27.096
341.94		27.1
342.	24.285	27.103
342.01		
342.02		27.104
342.05		27.105
342.14		27.109
342.24	24.286	27.113
342.34		27.117
342.44	24.287	27.122
342.54		27.126
342.64	24.288	27.13
342.74		27.135
342.84	24.289	27.139
342.94		27.143
343.	24.29	27.146
343.01		
343.02		27.147
343.05		27.148
343.14		27.152
343.24	24.291	27.156
343.34		27.16
343.44	24.292	27.165
343.54		27.169
343.64	24.293	27.173
343.74		27.178
343.84		27.182
343.94	24.294	27.186
344.		27.189
344.01		
344.02		27.19
344.05		27.191
344.14	24.295	27.195
344.24		27.199
344.34	24.296	27.203
344.44		27.208
344.54	24.297	27.212
344.64		27.216
344.74	24.298	27.221
344.84		27.225
344.94	24.299	27.229
345.		27.232
345.01		
345.02		27.233
345.05		27.234
345.14	24.3	27.238
345.24		27.242
345.34		27.246

345.44	24.301	27.251
345.54		27.255
345.64	24.302	27.259
345.74		27.264
345.84	24.303	27.268
345.94		27.272
346.	24.304	27.275
346.01		
346.02		27.276
346.05		27.277
346.14		27.281
346.24	24.305	27.285
346.34		27.289
346.44	24.306	27.294
346.54		27.298
346.64	24.307	27.302
346.74		27.307
346.84	24.308	27.311
346.94		27.315
347.		27.318
347.01		
347.02		27.319
347.05		27.32
347.14	24.309	27.324
347.24		27.328
347.34	24.31	27.333
347.44		27.337
347.54	24.311	27.341
347.64		27.346
347.74	24.312	27.35
347.84		27.354
347.94	24.313	27.359
348.		27.361
348.01		27.362
348.02		
348.05		27.363
348.14	24.314	27.367
348.24		27.372
348.34		27.376
348.44	24.315	27.38
348.54		27.385
348.64	24.316	27.389
348.74		27.393
348.84	24.317	27.397
348.94		27.402
349.	24.318	27.404
349.01		27.405
349.02		
349.05		27.407
349.14		27.41
349.24	24.319	27.415
349.34		27.419
349.44	24.32	27.423
349.54		27.428
349.64		27.432
349.74	24.321	27.436
349.84		27.441
349.94	24.322	27.445
350.		27.448
350.01		

350.02		27.449
350.05		27.45
350.14	24.323	27.454
350.24		27.458
350.34	24.324	27.462
350.44		27.467
350.54	24.325	27.471
350.64		27.476
350.74	24.326	27.48
350.84		27.484
350.94		27.489
351.	24.327	27.491
351.01		27.492
351.02		
351.05		27.493
351.14		27.497
351.24	24.328	27.502
351.34		27.506
351.44	24.329	27.51
351.54		27.515
351.64	24.33	27.519
351.74		27.523
351.84	24.331	27.528
351.94		27.532
352.		27.535
352.01		
352.02		
352.05	24.332	27.537
352.14		27.541
352.24		27.545
352.34	24.333	27.549
352.44		27.554
352.54	24.334	27.558
352.64		27.562
352.74	24.335	27.567
352.84		27.571
352.94	24.336	27.575
353.		27.578
353.01		
353.02		27.579
353.05		27.58
353.14	24.337	27.584
353.24		27.589
353.34		27.593
353.44	24.338	27.597
353.54		27.602
353.64	24.339	27.606
353.74		27.61
353.84	24.34	27.615
353.94		27.619
354.		27.622
354.01	24.341	
354.02		
354.05		27.624
354.14		27.628
354.24	24.342	27.632
354.34		27.636
354.44		27.641
354.54	24.343	27.645
354.64		27.649

354.74	24.344	27.654
354.84		27.658
354.94	24.345	27.663
355.		27.665
355.01		27.666
355.02		
355.05		27.667
355.14	24.346	27.671
355.24		27.676
355.34	24.347	27.68
355.44		27.684
355.54		27.689
355.64	24.348	27.693
355.74		27.697
355.84	24.349	27.702
355.94		27.706
356.	24.35	27.709
356.01		
356.02		27.71
356.05		27.711
356.14		27.715
356.24	24.351	27.719
356.34		27.724
356.44	24.352	27.728
356.54		27.732
356.64		27.737
356.74	24.353	27.741
356.84		27.746
356.94	24.354	27.75
357.		27.753
357.01		
357.02		
357.05		27.755
357.14	24.355	27.759
357.24		27.763
357.34	24.356	27.767
357.44		27.772
357.54	24.357	27.776
357.64		27.781
357.74		27.785
357.84	24.358	27.789
357.94		27.794
358.	24.359	27.796
358.01		27.797
358.02		
358.05		27.798
358.14		27.802
358.24	24.36	27.807
358.34		27.811
358.44	24.361	27.816
358.54		27.82
358.64		27.824
358.74	24.362	27.829
358.84		27.833
358.94	24.363	27.837
359.		27.84
359.01		27.841
359.02		
359.05		27.842
359.14	24.364	27.846

359.24		27.851
359.34	24.365	27.855
359.44		27.859
359.54	24.366	27.864
359.64		27.868
359.74		27.873
359.84	24.367	27.877
359.94		27.881
360.	24.368	27.884
360.01		
360.02		27.885
360.05		27.886
360.14		27.89
360.24	24.369	27.894
360.34		27.899
360.44	24.37	27.903
360.54		27.908
360.64		27.912
360.74	24.371	27.916
360.84		27.921
360.94	24.372	27.925
361.		27.928
361.01		
361.02		27.929
361.05		27.93
361.14	24.373	27.934
361.24		27.938
361.34	24.374	27.943
361.44		27.947
361.54		27.952
361.64	24.375	27.956
361.74		27.96
361.84	24.376	27.965
361.94		27.969
362.	24.377	27.972
362.01		
362.02		27.973
362.05		27.974
362.14		27.978
362.24	24.378	27.982
362.34		27.987
362.44		27.991
362.54	24.379	27.996
362.64		28.
362.74	24.38	28.004
362.84		28.009
362.94	24.381	28.013
363.		28.016
363.01		
363.02		28.017
363.05		28.018
363.14	24.382	28.022
363.24		28.026
363.34		28.031
363.44	24.383	28.035
363.54		28.04
363.64	24.384	28.044
363.74		28.048
363.84		28.053
363.94		28.057

364.	24.385	28.06
364.01		
364.02		28.061
364.05	24.386	28.062
364.14		28.066
364.24		28.071
364.34	24.387	28.075
364.44		28.079
364.54	24.388	28.084
364.64		28.088
364.74	24.389	28.093
364.84		28.097
364.94	24.39	28.101
365.		28.104
365.01		28.105
365.02		
365.05		28.106
365.14		28.11
365.24	24.391	28.115
365.34		28.119
365.44	24.392	28.124
365.54		28.128
365.64	24.393	28.132
365.74		28.137
365.84	24.394	28.141
365.94		28.146
366.		28.148
366.01		28.149
366.02		
366.05		28.15
366.14	24.395	28.154
366.24		28.159
366.34	24.396	28.163
366.44		28.168
366.54	24.397	28.172
366.64		28.177
366.74	24.398	28.181
366.84		28.185
366.94		28.19
367.	24.399	28.193
367.01		
367.02		
367.05		28.195
367.14		28.199
367.24	24.4	28.203
367.34		28.208
367.44	24.401	28.212
367.54		28.216
367.64	24.402	28.221
367.74		28.225
367.84		28.23
367.94	24.403	28.234
368.		28.237
368.01		
368.02		28.238
368.05		28.239
368.14	24.404	28.243
368.24		28.247
368.34	24.405	28.252
368.44		28.256

368.54		28.261
368.64	24.406	28.265
368.74		28.27
368.84	24.407	28.274
368.94		28.279
369.		28.281
369.01	24.408	28.282
369.02		
369.05		28.283
369.14		28.287
369.24	24.409	28.292
369.34		28.296
369.44		28.301
369.54	24.41	28.305
369.64		28.31
369.74	24.411	28.314
369.84		28.318
369.94	24.412	28.323
370.		28.326
370.01		
370.02		
370.05		28.328
370.14		28.332
370.24	24.413	28.336
370.34		28.341
370.44	24.414	28.345
370.54		28.35
370.64	24.415	28.354
370.74		28.359
370.84	24.416	28.363
370.94		28.367
371.		28.37
371.01		28.371
371.02		
371.05		28.372
371.14	24.417	28.376
371.24		28.381
371.34	24.418	28.385
371.44		28.39
371.54	24.419	28.394
371.64		28.399
371.74		28.403
371.84	24.42	28.407
371.94		28.412
372.	24.421	28.415
372.01		
372.02		
372.05		28.417
372.14		28.421
372.24	24.422	28.425
372.34		28.43
372.44	24.423	28.434
372.54		28.439
372.64		28.443
372.74	24.424	28.448
372.84		28.452
372.94	24.425	28.457
373.		28.459
373.01		28.46
373.02		

373.05		28.461
373.14	24.426	28.465
373.24		28.47
373.34		28.474
373.44	24.427	28.479
373.54		28.483
373.64	24.428	28.488
373.74		28.492
373.84	24.429	28.497
373.94		28.501
374.		28.504
374.01		
374.02		28.505
374.05	24.43	28.506
374.14		28.51
374.24		28.515
374.34	24.431	28.519
374.44		28.523
374.54	24.432	28.528
374.64		28.532
374.74	24.433	28.537
374.84		28.541
374.94		28.546
375.	24.434	28.549
375.01		
375.02		
375.05		28.551
375.14		28.555
375.24	24.435	28.559
375.34		28.564
375.44	24.436	28.568
375.54		28.573
375.64		28.577
375.74	24.437	28.582
375.84		28.586
375.94	24.438	28.591
376.		28.593
376.01		28.594
376.02		
376.05		28.595
376.14	24.439	28.6
376.24		28.604
376.34	24.44	28.608
376.44		28.613
376.54		28.617
376.64	24.441	28.622
376.74		28.626
376.84	24.442	28.631
376.94		28.635
377.		28.638
377.01		
377.02		28.639
377.05	24.443	28.64
377.14		28.644
377.24		28.649
377.34	24.444	28.653
377.44		28.658
377.54	24.445	28.662
377.64		28.667
377.74		28.671

377.84	24.446	28.676
377.94		28.68
378.	24.447	28.683
378.01		
378.02		28.684
378.05		28.685
378.14		28.689
378.24	24.448	28.694
378.34		28.698
378.44	24.449	28.703
378.54		28.707
378.64		28.712
378.74	24.45	28.716
378.84		28.721
378.94	24.451	28.725
379.		28.728
379.01		
379.02		28.729
379.05		28.73
379.14	24.452	28.734
379.24		28.739
379.34	24.453	28.743
379.44		28.748
379.54		28.752
379.64	24.454	28.757
379.74		28.761
379.84	24.455	28.766
379.94		28.77
380.		28.773
380.01		
380.02		28.774
380.05	24.456	28.775
380.14		28.779
380.24		28.784
380.34	24.457	28.788
380.44		28.793
380.54	24.458	28.797
380.64		28.802
380.74	24.459	28.806
380.84		28.811
380.94		28.815
381.	24.46	28.818
381.01		
381.02		28.819
381.05		28.82
381.14		28.824
381.24	24.461	28.829
381.34		28.833
381.44	24.462	28.838
381.54		28.842
381.64		28.847
381.74	24.463	28.851
381.84		28.856
381.94	24.464	28.86
382.		28.863
382.01		
382.02		28.864
382.05		28.865
382.14	24.465	28.869
382.24		28.874

382.34		28.878
382.44	24.466	28.883
382.54		28.887
382.64	24.467	28.892
382.74		28.896
382.84	24.468	28.901
382.94		28.905
383.		28.908
383.01		
383.02		28.909
383.05		28.91
383.14	24.469	28.914
383.24		28.919
383.34	24.47	28.923
383.44		28.928
383.54	24.471	28.932
383.64		28.937
383.74		28.941
383.84	24.472	28.946
383.94		28.95
384.	24.473	28.953
384.01		
384.02		28.954
384.05		28.955
384.14		28.959
384.24	24.474	28.964
384.34		28.968
384.44		28.973
384.54	24.475	28.977
384.64		28.982
384.74	24.476	28.986
384.84		28.991
384.94	24.477	28.996
385.		28.998
385.01		28.999
385.02		
385.05		29.
385.14		29.005
385.24	24.478	29.009
385.34		29.014
385.44	24.479	29.018
385.54		29.023
385.64	24.48	29.027
385.74		29.032
385.84		29.036
385.94	24.481	29.041
386.		29.043
386.01		29.044
386.02		
386.05		29.046
386.14	24.482	29.05
386.24		29.054
386.34	24.483	29.059
386.44		29.063
386.54		29.068
386.64	24.484	29.072
386.74		29.077
386.84	24.485	29.082
386.94		29.086
387.		29.089

387.01		
387.02	24.486	29.09
387.05		29.091
387.14		29.095
387.24		29.1
387.34	24.487	29.104
387.44		29.109
387.54	24.488	29.113
387.64		29.118
387.74	24.489	29.122
387.84		29.127
387.94		29.131
388.	24.49	29.134
388.01		29.135
388.02		
388.05		29.136
388.14		29.14
388.24	24.491	29.145
388.34		29.15
388.44	24.492	29.154
388.54		29.159
388.64		29.163
388.74	24.493	29.168
388.84		29.172
388.94	24.494	29.177
389.		29.18
389.01		
389.02		
389.05		29.182
389.14	24.495	29.186
389.24		29.19
389.34		29.195
389.44	24.496	29.2
389.54		29.204
389.64	24.497	29.209
389.74		29.213
389.84	24.498	29.218
389.94		29.222
390.		29.225
390.01		
390.02		29.226
390.05		29.227
390.14	24.499	29.231
390.24		29.236
390.34	24.5	29.24
390.44		29.245
390.54	24.501	29.25
390.64		29.254
390.74		29.259
390.84	24.502	29.263
390.94		29.268
391.		29.27
391.01	24.503	29.271
391.02		
391.05		29.273
391.14		29.277
391.24	24.504	29.281
391.34		29.286
391.44		29.291
391.54	24.505	29.295

391.64		29.3
391.74	24.506	29.304
391.84		29.309
391.94		29.313
392.	24.507	29.316
392.01		
392.02		29.317
392.05		29.318
392.14		29.322
392.24	24.508	29.327
392.34		29.332
392.44	24.509	29.336
392.54		29.341
392.64		29.345
392.74	24.51	29.35
392.84		29.354
392.94	24.511	29.359
393.		29.362
393.01		
393.02		29.363
393.05		29.364
393.14	24.512	29.368
393.24		29.373
393.34		29.377
393.44	24.513	29.382
393.54		29.386
393.64	24.514	29.391
393.74		29.395
393.84	24.515	29.4
393.94		29.404
394.		29.407
394.01		29.408
394.02		
394.05		29.41
394.14	24.516	29.414
394.24		29.418
394.34	24.517	29.423
394.44		29.427
394.54	24.518	29.432
394.64		29.436
394.74		29.441
394.84	24.519	29.446
394.94		29.45
395.		29.453
395.01	24.52	
395.02		29.454
395.05		29.455
395.14		29.459
395.24		29.464
395.34	24.521	29.468
395.44		29.473
395.54	24.522	29.478
395.64		29.482
395.74	24.523	29.487
395.84		29.491
395.94		29.496
396.	24.524	29.499
396.01		
396.02		29.5
396.05		29.501

396.14		29.505
396.24	24.525	29.51
396.34		29.514
396.44	24.526	29.519
396.54		29.523
396.64		29.528
396.74	24.527	29.533
396.84		29.537
396.94	24.528	29.542
397.		29.544
397.01		29.545
397.02		
397.05		29.547
397.14	24.529	29.551
397.24		29.555
397.34		29.56
397.44	24.53	29.565
397.54		29.569
397.64	24.531	29.574
397.74		29.578
397.84		29.583
397.94	24.532	29.587
398.		29.59
398.01		29.591
398.02		
398.05		29.593
398.14	24.533	29.597
398.24		29.601
398.34	24.534	29.606
398.44		29.61
398.54		29.615
398.64	24.535	29.62
398.74		29.624
398.84	24.536	29.629
398.94		29.633
399.		29.636
399.01		29.637
399.02		
399.05	24.537	29.638
399.14		29.643
399.24		29.647
399.34	24.538	29.652
399.44		29.656
399.54	24.539	29.661
399.64		29.665
399.74	24.54	29.67
399.84		29.675
399.94		29.679
400.	24.541	29.682
400.01		
400.02		29.683
400.05		29.684
400.14		29.688
400.24	24.542	29.693
400.34		29.698
400.44		29.702
400.54	24.543	29.707
400.64		29.711
400.74	24.544	29.716
400.84		29.721

400.94	24.545	29.725
401.		29.728
401.01		
401.02		29.729
401.05		29.73
401.14		29.734
401.24	24.546	29.739
401.34		29.744
401.44	24.547	29.748
401.54		29.753
401.64	24.548	29.757
401.74		29.762
401.84		29.767
401.94	24.549	29.771
402.		29.774
402.01		
402.02		29.775
402.05		29.776
402.14	24.55	29.78
402.24		29.785
402.34		29.79
402.44	24.551	29.794
402.54		29.799
402.64	24.552	29.803
402.74		29.808
402.84	24.553	29.813
402.94		29.817
403.		29.82
403.01		29.821
403.02		
403.05		29.822
403.14	24.554	29.827
403.24		29.831
403.34	24.555	29.836
403.44		29.84
403.54	24.556	29.845
403.64		29.85
403.74		29.854
403.84	24.557	29.859
403.94		29.863
404.		29.866
404.01		29.867
404.02	24.558	
404.05		29.868
404.14		29.873
404.24		29.877
404.34	24.559	29.882
404.44		29.886
404.54	24.56	29.891
404.64		29.896
404.74	24.561	29.9
404.84		29.905
404.94		29.91
405.	24.562	29.912
405.01		29.913
405.02		
405.05		29.915
405.14		29.919
405.24	24.563	29.923
405.34		29.928

405.44	24.564	29.933
405.54		29.937
405.64		29.942
405.74	24.565	29.947
405.84		29.951
405.94	24.566	29.956
406.		29.959
406.01		
406.02		
406.05		29.961
406.14		29.965
406.24	24.567	29.97
406.34		29.974
406.44	24.568	29.979
406.54		29.983
406.64	24.569	29.988
406.74		29.993
406.84		29.997
406.94	24.57	30.002
407.		30.005
407.01		
407.02		30.006
407.05		30.007
407.14	24.571	30.011
407.24		30.016
407.34		30.021
407.44	24.572	30.025
407.54		30.03
407.64	24.573	30.034
407.74		30.039
407.84	24.574	30.044
407.94		30.048
408.		30.051
408.01		30.052
408.02		
408.05		30.053
408.14	24.575	30.058
408.24		30.062
408.34	24.576	30.067
408.44		30.071
408.54	24.577	30.076
408.64		30.081
408.74		30.085
408.84	24.578	30.09
408.94		30.095
409.		30.097
409.01		30.098
409.02	24.579	
409.05		30.1
409.14		30.104
409.24		30.109
409.34	24.58	30.113
409.44		30.118
409.54	24.581	30.122
409.64		30.127
409.74	24.582	30.132
409.84		30.136
409.94		30.141
410.		30.144
410.01		

410.02	24.583	30.145
410.05		30.146
410.14		30.15
410.24	24.584	30.155
410.34		30.159
410.44		30.164
410.54	24.585	30.169
410.64		30.173
410.74	24.586	30.178
410.84		30.182
410.94	24.587	30.187
411.		30.19
411.01		
411.02		30.191
411.05		30.192
411.14		30.196
411.24	24.588	30.201
411.34		30.206
411.44	24.589	30.21
411.54		30.215
411.64		30.219
411.74	24.59	30.224
411.84		30.229
411.94	24.591	30.233
412.		30.236
412.01		
412.02		30.237
412.05		30.238
412.14		30.242
412.24	24.592	30.247
412.34		30.251
412.44	24.593	30.256
412.54		30.261
412.64	24.594	30.265
412.74		30.27
412.84		30.274
412.94	24.595	30.279
413.		30.282
413.01		
413.02		30.283
413.05		30.284
413.14	24.596	30.288
413.24		30.293
413.34		30.297
413.44	24.597	30.302
413.54		30.307
413.64	24.598	30.311
413.74		30.316
413.84		30.32
413.94	24.599	30.325
414.		30.328
414.01		
414.02		
414.05		30.33
414.14	24.6	30.334
414.24		30.339
414.34		30.343
414.44	24.601	30.348
414.54		30.352
414.64		30.357

414.74	24.602	30.361
414.84		30.366
414.94	24.603	30.37
415.		30.373
415.01		30.374
415.02		
415.05		30.375
415.14	24.604	30.38
415.24		30.384
415.34		30.389
415.44	24.605	30.393
415.54		30.398
415.64	24.606	30.402
415.74		30.407
415.84		30.411
415.94	24.607	30.416
416.		30.419
416.01		
416.02		30.42
416.05		30.421
416.14	24.608	30.425
416.24		30.43
416.34		30.434
416.44	24.609	30.439
416.54		30.443
416.64	24.61	30.448
416.74		30.452
416.84		30.457
416.94	24.611	30.461
417.		30.464
417.01		30.465
417.02		
417.05		30.466
417.14	24.612	30.47
417.24		30.475
417.34		30.48
417.44	24.613	30.484
417.54		30.489
417.64		30.493
417.74	24.614	30.498
417.84		30.502
417.94	24.615	30.507
418.		30.509
418.01		30.51
418.02		
418.05		30.512
418.14		30.516
418.24	24.616	30.52
418.34		30.525
418.44	24.617	30.529
418.54		30.534
418.64		30.538
418.74	24.618	30.543
418.84		30.547
418.94	24.619	30.552
419.		30.555
419.01		
419.02		
419.05		30.557
419.14		30.561

419.24	24.62	30.565
419.34		30.57
419.44	24.621	30.574
419.54		30.579
419.64		30.583
419.74	24.622	30.588
419.84		30.592
419.94		30.597
420.	24.623	30.6
420.01		
420.02		30.601
420.05		30.602
420.14		30.606
420.24	24.624	30.61
420.34		30.615
420.44		30.619
420.54	24.625	30.624
420.64		30.628
420.74	24.626	30.633
420.84		30.637
420.94		30.642
421.	24.627	30.645
421.01		
421.02		
421.05		30.647
421.14		30.651
421.24		30.655
421.34	24.628	30.66
421.44		30.664
421.54	24.629	30.669
421.64		30.673
421.74		30.678
421.84	24.63	30.682
421.94		30.687
422.		30.689
422.01		30.69
422.02		
422.05		30.692
422.14	24.631	30.696
422.24		30.7
422.34	24.632	30.705
422.44		30.709
422.54		30.713
422.64	24.633	30.718
422.74		30.722
422.84		30.727
422.94	24.634	30.731
423.		30.734
423.01		
423.02		30.735
423.05		30.736
423.14	24.635	30.74
423.24		30.745
423.34		30.749
423.44	24.636	30.754
423.54		30.758
423.64		30.763
423.74	24.637	30.767
423.84		30.771
423.94		30.776

424.	24.638	30.779
424.01		
424.02		
424.05		30.781
424.14		30.785
424.24	24.639	30.789
424.34		30.794
424.44		30.798
424.54	24.64	30.803
424.64		30.807
424.74	24.641	30.811
424.84		30.816
424.94		30.82
425.	24.642	30.823
425.01		
425.02		30.824
425.05		30.825
425.14		30.829
425.24		30.834
425.34	24.643	30.838
425.44		30.842
425.54	24.644	30.847
425.64		30.851
425.74		30.856
425.84	24.645	30.86
425.94		30.865
426.		30.867
426.01		30.868
426.02		
426.05		30.869
426.14	24.646	30.873
426.24		30.878
426.34	24.647	30.882
426.44		30.887
426.54		30.891
426.64	24.648	30.896
426.74		30.9
426.84		30.904
426.94	24.649	30.909
427.		30.911
427.01		30.912
427.02		
427.05		30.914
427.14		30.918
427.24	24.65	30.922
427.34		30.926
427.44	24.651	30.931
427.54		30.935
427.64		30.94
427.74	24.652	30.944
427.84		30.948
427.94		30.953
428.	24.653	30.956
428.01		
428.02		
428.05		30.958
428.14		30.962
428.24		30.966
428.34	24.654	30.97
428.44		30.975

428.54	24.655	30.979
428.64		30.984
428.74		30.988
428.84	24.656	30.992
428.94		30.997
429.		30.999
429.01		31.
429.02		
429.05		31.002
429.14	24.657	31.006
429.24		31.01
429.34		31.014
429.44	24.658	31.019
429.54		31.023
429.64	24.659	31.028
429.74		31.032
429.84		31.036
429.94	24.66	31.041
430.		31.043
430.01		31.044
430.02		
430.05		31.045
430.14		31.049
430.24	24.661	31.054
430.34		31.058
430.44		31.063
430.54	24.662	31.067
430.64		31.071
430.74		31.076
430.84	24.663	31.08
430.94		31.084
431.		31.087
431.01		
431.02		31.088
431.05	24.664	31.089
431.14		31.093
431.24		31.097
431.34	24.665	31.102
431.44		31.106
431.54		31.111
431.64	24.666	31.115
431.74		31.119
431.84		31.124
431.94	24.667	31.128
432.		31.131
432.01		
432.02		
432.05		31.133
432.14		31.137
432.24	24.668	31.141
432.34		31.145
432.44		31.15
432.54	24.669	31.154
432.64		31.158
432.74	24.67	31.163
432.84		31.167
432.94		31.171
433.		31.174
433.01		
433.02		31.175

433.05	24.671	31.176
433.14		31.18
433.24		31.184
433.34	24.672	31.189
433.44		31.193
433.54		31.197
433.64	24.673	31.202
433.74		31.206
433.84		31.21
433.94	24.674	31.215
434.		31.217
434.01		31.218
434.02		
434.05		31.22
434.14		31.223
434.24	24.675	31.228
434.34		31.232
434.44		31.236
434.54	24.676	31.241
434.64		31.245
434.74	24.677	31.249
434.84		31.254
434.94		31.258
435.		31.261
435.01		
435.02		
435.05	24.678	31.263
435.14		31.267
435.24		31.271
435.34	24.679	31.275
435.44		31.28
435.54		31.284
435.64	24.68	31.288
435.74		31.293
435.84		31.297
435.94	24.681	31.301
436.		31.304
436.01		
436.02		31.305
436.05		31.306
436.14		31.31
436.24	24.682	31.314
436.34		31.318
436.44		31.323
436.54	24.683	31.327
436.64		31.331
436.74		31.336
436.84	24.684	31.34
436.94		31.344
437.		31.347
437.01		
437.02		31.348
437.05		31.349
437.14	24.685	31.353
437.24		31.357
437.34		31.361
437.44	24.686	31.366
437.54		31.37
437.64		31.374
437.74	24.687	31.378

437.84		31.383
437.94	24.688	31.387
438.		31.39
438.01		
438.02		
438.05		31.392
438.14		31.396
438.24	24.689	31.4
438.34		31.404
438.44		31.408
438.54	24.69	31.413
438.64		31.417
438.74		31.421
438.84	24.691	31.425
438.94		31.43
439.		31.432
439.01		31.433
439.02		
439.05		31.434
439.14	24.692	31.438
439.24		31.443
439.34		31.447
439.44	24.693	31.451
439.54		31.455
439.64		31.46
439.74	24.694	31.464
439.84		31.468
439.94		31.472
440.		31.475
440.01		
440.02	24.695	31.476
440.05		31.477
440.14		31.481
440.24		31.485
440.34	24.696	31.489
440.44		31.494
440.54		31.498
440.64	24.697	31.502
440.74		31.506
440.84		31.511
440.94	24.698	31.515
441.		31.517
441.01		31.518
441.02		
441.05		31.52
441.14		31.523
441.24	24.699	31.528
441.34		31.532
441.44		31.536
441.54	24.7	31.54
441.64		31.545
441.74		31.549
441.84	24.701	31.553
441.94		31.557
442.		31.56
442.01		
442.02		31.561
442.05		31.562
442.14	24.702	31.566
442.24		31.57

442.34		31.574
442.44	24.703	31.578
442.54		31.583
442.64		31.587
442.74	24.704	31.591
442.84		31.595
442.94		31.6
443.		31.602
443.01		
443.02		31.603
443.05	24.705	31.604
443.14		31.608
443.24		31.612
443.34	24.706	31.616
443.44		31.621
443.54		31.625
443.64	24.707	31.629
443.74		31.633
443.84		31.637
443.94	24.708	31.642
444.		31.644
444.01		31.645
444.02		
444.05		31.646
444.14		31.65
444.24		31.654
444.34	24.709	31.658
444.44		31.663
444.54		31.667
444.64	24.71	31.671
444.74		31.675
444.84		31.679
444.94	24.711	31.684
445.		31.686
445.01		31.687
445.02		
445.05		31.688
445.14		31.692
445.24	24.712	31.696
445.34		31.7
445.44		31.705
445.54	24.713	31.709
445.64		31.713
445.74		31.717
445.84	24.714	31.721
445.94		31.726
446.		31.728
446.01		31.729
446.02		
446.05		31.73
446.14	24.715	31.734
446.24		31.738
446.34		31.742
446.44	24.716	31.746
446.54		31.751
446.64		31.755
446.74	24.717	31.759
446.84		31.763
446.94		31.767
447.		31.77

447.01		
447.02		31.771
447.05	24.718	31.772
447.14		31.776
447.24		31.78
447.34		31.784
447.44	24.719	31.788
447.54		31.792
447.64		31.797
447.74	24.72	31.801
447.84		31.805
447.94		31.809
448.	24.721	31.812
448.01		
448.02		
448.05		31.814
448.14		31.817
448.24		31.821
448.34	24.722	31.826
448.44		31.83
448.54		31.834
448.64	24.723	31.838
448.74		31.842
448.84		31.846
448.94	24.724	31.851
449.		31.853
449.01		
449.02		31.854
449.05		31.855
449.14		31.859
449.24	24.725	31.863
449.34		31.867
449.44		31.871
449.54		31.875
449.64	24.726	31.88
449.74		31.884
449.84		31.888
449.94	24.727	31.892
450.		31.894
450.01		31.895
450.02		
450.05		31.897
450.14		31.9
450.24	24.728	31.904
450.34		31.908
450.44		31.913
450.54	24.729	31.917
450.64		31.921
450.74		31.925
450.84	24.73	31.929
450.94		31.933
451.		31.936
451.01		
451.02		31.937
451.05		31.938
451.14		31.941
451.24	24.731	31.946
451.34		31.95
451.44		31.954
451.54		31.958

451.64	24.732	31.962
451.74		31.966
451.84	24.733	31.97
451.94		31.974
452.		31.977
452.01		
452.02		31.978
452.05		31.979
452.14	24.734	31.983
452.24		31.987
452.34		31.991
452.44	24.735	31.995
452.54		31.999
452.64		32.003
452.74		32.007
452.84	24.736	32.011
452.94		32.015
453.		32.018
453.01		
453.02		32.019
453.05		32.02
453.14	24.737	32.024
453.24		32.028
453.34		32.032
453.44	24.738	32.036
453.54		32.04
453.64		32.044
453.74	24.739	32.048
453.84		32.052
453.94		32.056
454.		32.059
454.01		
454.02		32.06
454.05	24.74	32.061
454.14		32.065
454.24		32.069
454.34		32.073
454.44	24.741	32.077
454.54		32.081
454.64		32.085
454.74	24.742	32.089
454.84		32.093
454.94		32.097
455.		32.1
455.01		
455.02		32.101
455.05	24.743	32.102
455.14		32.105
455.24		32.109
455.34		32.114
455.44	24.744	32.118
455.54		32.122
455.64		32.126
455.74	24.745	32.13
455.84		32.134
455.94		32.138
456.		32.14
456.01		32.141
456.02		
456.05		32.142

456.14	24.746	32.146
456.24		32.15
456.34		32.154
456.44	24.747	32.158
456.54		32.162
456.64		32.166
456.74	24.748	32.17
456.84		32.175
456.94		32.179
457.		32.181
457.01	24.749	
457.02		32.182
457.05		32.183
457.14		32.187
457.24		32.191
457.34	24.75	32.195
457.44		32.199
457.54		32.203
457.64		32.207
457.74	24.751	32.211
457.84		32.215
457.94		32.219
458.	24.752	32.221
458.01		32.222
458.02		
458.05		32.223
458.14		32.227
458.24		32.231
458.34	24.753	32.235
458.44		32.239
458.54		32.243
458.64		32.247
458.74	24.754	32.251
458.84		32.255
458.94		32.259
459.		32.262
459.01	24.755	
459.02		32.263
459.05		32.264
459.14		32.267
459.24		32.271
459.34	24.756	32.276
459.44		32.28
459.54		32.284
459.64		32.288
459.74	24.757	32.292
459.84		32.296
459.94		32.3
460.		32.302
460.01	24.758	
460.02		32.303
460.05		32.304
460.14		32.308
460.24		32.312
460.34		32.316
460.44	24.759	32.32
460.54		32.324
460.64		32.328
460.74		32.332
460.84		32.336

460.94	24.76	32.34
461.		32.342
461.01		32.343
461.02		
461.05	24.761	32.344
461.14		32.348
461.24		32.352
461.34		32.356
461.44	24.762	32.36
461.54		32.364
461.64		32.368
461.74	24.763	32.372
461.84		32.376
461.94		32.38
462.		32.382
462.01		32.383
462.02		
462.05	24.764	32.384
462.14		32.388
462.24		32.392
462.34		32.396
462.44	24.765	32.4
462.54		32.404
462.64		32.408
462.74	24.766	32.412
462.84		32.416
462.94		32.42
463.		32.422
463.01		32.423
463.02		
463.05		32.424
463.14	24.767	32.428
463.24		32.432
463.34		32.436
463.44	24.768	32.44
463.54		32.444
463.64		32.448
463.74		32.452
463.84	24.769	32.456
463.94		32.46
464.		32.462
464.01		
464.02		32.463
464.05		32.464
464.14	24.77	32.467
464.24		32.471
464.34		32.475
464.44		32.479
464.54	24.771	32.483
464.64		32.487
464.74		32.491
464.84	24.772	32.495
464.94		32.499
465.		32.502
465.01		
465.02		
465.05		32.504
465.14	24.773	32.507
465.24		32.511
465.34		32.515

465.44		32.519
465.54	24.774	32.523
465.64		32.527
465.74		32.531
465.84	24.775	32.535
465.94		32.539
466.		32.541
466.01		32.542
466.02		
466.05		32.543
466.14		32.547
466.24	24.776	32.551
466.34		32.555
466.44		32.559
466.54	24.777	32.562
466.64		32.566
466.74		32.57
466.84		32.574
466.94	24.778	32.578
467.		32.581
467.01		
467.02		
467.05		32.583
467.14		32.586
467.24	24.779	32.59
467.34		32.594
467.44		32.598
467.54		32.602
467.64	24.78	32.606
467.74		32.61
467.84		32.614
467.94	24.781	32.618
468.		32.62
468.01		
468.02		32.621
468.05		32.622
468.14		32.625
468.24		32.629
468.34	24.782	32.633
468.44		32.637
468.54		32.641
468.64	24.783	32.645
468.74		32.649
468.84		32.653
468.94		32.657
469.	24.784	32.659
469.01		32.66
469.02		
469.05		32.661
469.14		32.665
469.24		32.669
469.34		32.672
469.44	24.785	32.676
469.54		32.68
469.64		32.684
469.74	24.786	32.688
469.84		32.692
469.94		32.696
470.		32.698
470.01		32.699

470.02		
470.05		32.7
470.14	24.787	32.704
470.24		32.708
470.34		32.712
470.44	24.788	32.715
470.54		32.719
470.64		32.723
470.74		32.727
470.84	24.789	32.731
470.94		32.735
471.		32.737
471.01		32.738
471.02		
471.05		32.739
471.14	24.79	32.743
471.24		32.747
471.34		32.751
471.44		32.754
471.54	24.791	32.758
471.64		32.762
471.74		32.766
471.84		32.77
471.94	24.792	32.774
472.		32.776
472.01		32.777
472.02		
472.05		32.778
472.14		32.782
472.24	24.793	32.785
472.34		32.789
472.44		32.793
472.54		32.797
472.64	24.794	32.801
472.74		32.805
472.84		32.809
472.94	24.795	32.813
473.		32.815
473.01		
473.02		32.816
473.05		32.817
473.14		32.82
473.24		32.824
473.34	24.796	32.828
473.44		32.832
473.54		32.836
473.64		32.84
473.74	24.797	32.844
473.84		32.847
473.94		32.851
474.		32.854
474.01	24.798	
474.02		
474.05		32.856
474.14		32.859
474.24		32.863
474.34		32.867
474.44	24.799	32.871
474.54		32.875
474.64		32.878

474.74	24.8	32.882
474.84		32.886
474.94		32.89
475.		32.892
475.01		32.893
475.02		
475.05		32.894
475.14	24.801	32.898
475.24		32.901
475.34		32.905
475.44		32.909
475.54	24.802	32.913
475.64		32.917
475.74		32.921
475.84	24.803	32.925
475.94		32.928
476.		32.931
476.01		
476.02		
476.05		32.933
476.14		32.936
476.24	24.804	32.94
476.34		32.944
476.44		32.948
476.54		32.951
476.64	24.805	32.955
476.74		32.959
476.84		32.963
476.94	24.806	32.967
477.		32.969
477.01		
477.02		32.97
477.05		32.971
477.14		32.974
477.24		32.978
477.34	24.807	32.982
477.44		32.986
477.54		32.99
477.64		32.994
477.74	24.808	32.997
477.84		33.001
477.94		33.005
478.		33.007
478.01		33.008
478.02		
478.05	24.809	33.009
478.14		33.013
478.24		33.017
478.34		33.02
478.44	24.81	33.024
478.54		33.028
478.64		33.032
478.74		33.036
478.84	24.811	33.039
478.94		33.043
479.		33.046
479.01		
479.02		
479.05		33.047
479.14		33.051

479.24	24.812	33.055
479.34		33.058
479.44		33.062
479.54	24.813	33.066
479.64		33.07
479.74		33.074
479.84		33.077
479.94	24.814	33.081
480.		33.084
480.01		
480.02		
480.05		33.085
480.14		33.089
480.24		33.093
480.34	24.815	33.096
480.44		33.1
480.54		33.104
480.64	24.816	33.108
480.74		33.112
480.84		33.115
480.94		33.119
481.		33.122
481.01		
481.02	24.817	33.123
481.05		33.127
481.14		33.131
481.24		33.134
481.34	24.818	33.138
481.44		33.142
481.54		33.146
481.64		33.15
481.74	24.819	33.153
481.84		33.157
481.94		33.159
482.		33.16
482.01		
482.02		33.161
482.05		33.165
482.14	24.82	33.168
482.24		33.172
482.34		33.176
482.44	24.821	33.18
482.54		33.184
482.64		33.187
482.74		33.191
482.84	24.822	33.195
482.94		33.197
483.		33.198
483.01		
483.02		33.199
483.05		33.202
483.14		33.206
483.24	24.823	33.21
483.34		33.214
483.44		33.217
483.54		33.221
483.64	24.824	33.225
483.74		33.229
483.84		33.233
483.94		

484.		33.235
484.01		
484.02		33.236
484.05	24.825	33.237
484.14		33.24
484.24		33.244
484.34		33.248
484.44	24.826	33.251
484.54		33.255
484.64		33.259
484.74		33.263
484.84	24.827	33.266
484.94		33.27
485.		33.272
485.01		33.273
485.02		
485.05		33.274
485.14		33.278
485.24	24.828	33.281
485.34		33.285
485.44		33.289
485.54		33.293
485.64	24.829	33.296
485.74		33.3
485.84		33.304
485.94		33.308
486.	24.83	33.31
486.01		
486.02		
486.05		33.312
486.14		33.315
486.24		33.319
486.34	24.831	33.322
486.44		33.326
486.54		33.33
486.64		33.334
486.74	24.832	33.337
486.84		33.341
486.94		33.345
487.		33.347
487.01		
487.02		33.348
487.05		33.349
487.14	24.833	33.352
487.24		33.356
487.34		33.36
487.44		33.363
487.54	24.834	33.367
487.64		33.371
487.74		33.375
487.84		33.378
487.94	24.835	33.382
488.		33.384
488.01		33.385
488.02		
488.05		33.386
488.14		33.39
488.24		33.393
488.34	24.836	33.397
488.44		33.401

488.54		33.404
488.64		33.408
488.74	24.837	33.412
488.84		33.416
488.94		33.419
489.		33.421
489.01		33.422
489.02		
489.05	24.838	33.423
489.14		33.427
489.24		33.43
489.34		33.434
489.44	24.839	33.438
489.54		33.441
489.64		33.445
489.74		33.449
489.84	24.84	33.453
489.94		33.456
490.		33.458
490.01		33.459
490.02		
490.05		33.46
490.14		33.464
490.24	24.841	33.467
490.34		33.471
490.44		33.475
490.54		33.478
490.64	24.842	33.482
490.74		33.486
490.84		33.489
490.94		33.493
491.	24.843	33.495
491.01		33.496
491.02		
491.05		33.497
491.14		33.501
491.24		33.504
491.34		33.508
491.44	24.844	33.512
491.54		33.515
491.64		33.519
491.74		33.523
491.84	24.845	33.526
491.94		33.53
492.		33.532
492.01		33.533
492.02		
492.05		33.534
492.14		33.537
492.24	24.846	33.541
492.34		33.545
492.44		33.548
492.54		33.552
492.64	24.847	33.556
492.74		33.559
492.84		33.563
492.94		33.567
493.		33.569
493.01		
493.02		33.57

493.05	24.848	33.571
493.14		33.574
493.24		33.578
493.34		33.581
493.44	24.849	33.585
493.54		33.589
493.64		33.592
493.74		33.596
493.84	24.85	33.6
493.94		33.603
494.		33.606
494.01		
494.02		
494.05		33.607
494.14		33.611
494.24	24.851	33.614
494.34		33.618
494.44		33.622
494.54		33.625
494.64	24.852	33.629
494.74		33.633
494.84		33.636
494.94		33.64
495.	24.853	33.642
495.01		
495.02		33.643
495.05		33.644
495.14		33.647
495.24		33.651
495.34		33.654
495.44	24.854	33.658
495.54		33.662
495.64		33.665
495.74		33.669
495.84	24.855	33.673
495.94		33.676
496.		33.678
496.01		33.679
496.02		
496.05		33.68
496.14		33.683
496.24	24.856	33.687
496.34		33.691
496.44		33.694
496.54		33.698
496.64	24.857	33.702
496.74		33.705
496.84		33.709
496.94		33.712
497.	24.858	33.715
497.01		
497.02		
497.05		33.716
497.14		33.72
497.24		33.723
497.34		33.727
497.44	24.859	33.731
497.54		33.734
497.64		33.738
497.74		33.741

497.84	24.86	33.745
497.94		33.749
498.		33.751
498.01		
498.02		33.752
498.05		33.753
498.14		33.756
498.24	24.861	33.759
498.34		33.763
498.44		33.767
498.54		33.77
498.64	24.862	33.774
498.74		33.778
498.84		33.781
498.94		33.785
499.	24.863	33.787
499.01		
499.02		33.788
499.05		33.789
499.14		33.792
499.24		33.796
499.34		33.799
499.44	24.864	33.803
499.54		33.806
499.64		33.81
499.74		33.814
499.84	24.865	33.817
499.94		33.821
500.		33.823
500.01		
500.02		33.824
500.05		33.825
500.14		33.828
500.24	24.866	33.831
500.34		33.835
500.44		33.839
500.54		33.842
500.64	24.867	33.846
500.74		33.849
500.84		33.853
500.94		33.857
501.		33.859
501.01		
501.02		
501.05	24.868	33.86
501.14		33.864
501.24		33.867
501.34		33.871
501.44		33.874
501.54	24.869	33.878
501.64		33.882
501.74		33.885
501.84		33.889
501.94	24.87	33.892
502.		33.894
502.01		33.895
502.02		
502.05		33.896
502.14		33.899
502.24		33.903

502.34	24.871	33.907
502.44		33.91
502.54		33.914
502.64		33.917
502.74	24.872	33.921
502.84		33.924
502.94		33.928
503.		33.93
503.01		
503.02		33.931
503.05		33.932
503.14	24.873	33.935
503.24		33.939
503.34		33.942
503.44		33.946
503.54	24.874	33.949
503.64		33.953
503.74		33.956
503.84		33.96
503.94		33.963
504.	24.875	33.966
504.01		
504.02		
504.05		33.967
504.14		33.971
504.24		33.974
504.34		33.978
504.44	24.876	33.981
504.54		33.985
504.64		33.988
504.74		33.992
504.84	24.877	33.995
504.94		33.999
505.		34.001
505.01		
505.02		34.002
505.05		34.003
505.14		34.006
505.24	24.878	34.01
505.34		34.013
505.44		34.017
505.54		34.02
505.64	24.879	34.024
505.74		34.027
505.84		34.031
505.94		34.034
506.		34.036
506.01		34.037
506.02		
506.05	24.88	34.038
506.14		34.041
506.24		34.045
506.34		34.048
506.44		34.052
506.54	24.881	34.055
506.64		34.059
506.74		34.062
506.84		34.066
506.94		34.07
507.		

507.01	24.882	34.072
507.02		
507.05		34.073
507.14		34.077
507.24		34.08
507.34	24.883	34.084
507.44		34.087
507.54		34.091
507.64		34.094
507.74	24.884	34.098
507.84		34.101
507.94		34.105
508.		34.107
508.01		
508.02		
508.05		34.109
508.14		34.112
508.24	24.885	34.115
508.34		34.119
508.44		34.122
508.54		34.126
508.64	24.886	34.129
508.74		34.133
508.84		34.136
508.94		34.14
509.		34.142
509.01		
509.02	24.887	
509.05		34.144
509.14		34.147
509.24		34.15
509.34		34.154
509.44	24.888	34.157
509.54		34.161
509.64		34.164
509.74		34.168
509.84		34.171
509.94	24.889	34.175
510.		34.177
510.01		
510.02		
510.05		34.178
510.14		34.182
510.24		34.185
510.34	24.89	34.189
510.44		34.192
510.54		34.196
510.64		34.199
510.74	24.891	34.202
510.84		34.206
510.94		34.209
511.		34.212
511.01		
511.02		
511.05		34.213
511.14		34.216
511.24	24.892	34.22
511.34		34.223
511.44		34.227
511.54		34.23

511.64	24.893	34.234
511.74		34.237
511.84		34.241
511.94		34.244
512.		34.246
512.01		34.247
512.02	24.894	
512.05		34.248
512.14		34.251
512.24		34.255
512.34		34.258
512.44		34.262
512.54	24.895	34.265
512.64		34.268
512.74		34.272
512.84		34.275
512.94	24.896	34.279
513.		34.281
513.01		
513.02		34.282
513.05		34.283
513.14		34.286
513.24		34.289
513.34	24.897	34.293
513.44		34.296
513.54		34.3
513.64		34.303
513.74		34.306
513.84	24.898	34.31
513.94		34.313
514.		34.315
514.01		34.316
514.02		
514.05		34.317
514.14		34.32
514.24	24.899	34.324
514.34		34.327
514.44		34.331
514.54		34.334
514.64	24.9	34.337
514.74		34.341
514.84		34.344
514.94		34.348
515.		34.35
515.01		
515.02		34.351
515.05		34.352
515.14	24.901	34.355
515.24		34.358
515.34		34.362
515.44		34.365
515.54	24.902	34.368
515.64		34.372
515.74		34.375
515.84		34.379
515.94		34.382
516.	24.903	34.384
516.01		34.385
516.02		
516.05		34.386

516.14		34.389
516.24		34.392
516.34		34.396
516.44	24.904	34.399
516.54		34.403
516.64		34.406
516.74		34.41
516.84	24.905	34.413
516.94		34.416
517.		34.418
517.01		34.419
517.02		
517.05		34.42
517.14		34.423
517.24		34.427
517.34	24.906	34.43
517.44		34.433
517.54		34.437
517.64		34.44
517.74	24.907	34.444
517.84		34.447
517.94		34.451
518.		34.453
518.01		
518.02		
518.05		34.454
518.14		34.457
518.24	24.908	34.461
518.34		34.464
518.44		34.468
518.54		34.471
518.64	24.909	34.474
518.74		34.478
518.84		34.481
518.94		34.485
519.		34.487
519.01		
519.02		
519.05	24.91	34.488
519.14		34.491
519.24		34.495
519.34		34.498
519.44		34.502
519.54	24.911	34.505
519.64		34.508
519.74		34.512
519.84		34.515
519.94	24.912	34.519
520.		34.521
520.01		
520.02		
520.05		34.522
520.14		34.525
520.24		34.529
520.34		34.532
520.44	24.913	34.535
520.54		34.539
520.64		34.542
520.74		34.546
520.84		34.549

520.94	24.914	34.552
521.		34.554
521.01		34.555
521.02		
521.05		34.556
521.14		34.559
521.24		34.562
521.34	24.915	34.566
521.44		34.569
521.54		34.573
521.64		34.576
521.74	24.916	34.579
521.84		34.583
521.94		34.586
522.		34.588
522.01		
522.02		34.589
522.05		34.59
522.14		34.593
522.24	24.917	34.596
522.34		34.6
522.44		34.603
522.54		34.606
522.64	24.918	34.61
522.74		34.613
522.84		34.616
522.94		34.62
523.		34.622
523.01		
523.02		
523.05		34.623
523.14	24.919	34.626
523.24		34.63
523.34		34.633
523.44		34.637
523.54	24.92	34.64
523.64		34.643
523.74		34.647
523.84		34.65
523.94		34.653
524.	24.921	34.655
524.01		34.656
524.02		
524.05		34.657
524.14		34.66
524.24		34.663
524.34		34.667
524.44		34.67
524.54	24.922	34.673
524.64		34.677
524.74		34.68
524.84		34.683
524.94	24.923	34.687
525.		34.689
525.01		
525.02		
525.05		34.69
525.14		34.693
525.24		34.697
525.34		34.7

525.44	24.924	34.703
525.54		34.707
525.64		34.71
525.74		34.713
525.84	24.925	34.717
525.94		34.72
526.		34.722
526.01		
526.02		34.723
526.05		34.724
526.14		34.727
526.24		34.73
526.34	24.926	34.733
526.44		34.737
526.54		34.74
526.64		34.743
526.74	24.927	34.747
526.84		34.75
526.94		34.753
527.		34.755
527.01		34.756
527.02		
527.05		34.757
527.14		34.76
527.24	24.928	34.763
527.34		34.767
527.44		34.77
527.54		34.773
527.64		34.777
527.74	24.929	34.78
527.84		34.783
527.94		34.787
528.		34.789
528.01		
528.02		
528.05		34.79
528.14	24.93	34.793
528.24		34.797
528.34		34.8
528.44		34.803
528.54		34.806
528.64	24.931	34.81
528.74		34.813
528.84		34.816
528.94		34.82
529.		34.822
529.01		
529.02		
529.05	24.932	34.823
529.14		34.826
529.24		34.83
529.34		34.833
529.44		34.836
529.54	24.933	34.839
529.64		34.843
529.74		34.846
529.84		34.849
529.94		34.853
530.		34.855
530.01		

530.02		
530.05		34.856
530.14	24.934	34.859
530.24		34.863
530.34		34.866
530.44		34.869
530.54		34.872
530.64	24.935	34.876
530.74		34.879
530.84		34.882
530.94		34.886
531.		
531.01		34.888
531.02		
531.05	24.936	34.889
531.14		34.892
531.24		34.895
531.34		34.899
531.44		34.902
531.54	24.937	34.905
531.64		34.909
531.74		34.912
531.84		34.915
531.94		34.918
532.		34.92
532.01		
532.02	24.938	34.921
532.05		34.922
532.14		34.925
532.24		34.928
532.34		34.931
532.44		34.935
532.54	24.939	34.938
532.64		34.941
532.74		34.945
532.84		34.948
532.94		34.951
533.		
533.01	24.94	34.953
533.02		34.954
533.05		34.955
533.14		34.958
533.24		34.961
533.34		34.964
533.44	24.941	34.967
533.54		34.971
533.64		34.974
533.74		34.977
533.84		34.98
533.94		34.984
534.		
534.01	24.942	34.986
534.02		
534.05		34.987
534.14		34.99
534.24		34.993
534.34		34.997
534.44	24.943	35.
534.54		35.003
534.64		35.006

534.74	24.944	35.01
534.84		35.013
534.94		35.016
535.		35.018
535.01		
535.02		35.019
535.05		35.02
535.14	24.945	35.023
535.24		35.026
535.34		35.029
535.44		35.032
535.54		35.036
535.64	24.946	35.039
535.74		35.042
535.84		35.045
535.94		35.049
536.		35.051
536.01		
536.02		
536.05		35.052
536.14	24.947	35.055
536.24		35.058
536.34		35.062
536.44		35.065
536.54		35.068
536.64	24.948	35.071
536.74		35.074
536.84		35.078
536.94		35.081
537.		35.083
537.01		
537.02		
537.05	24.949	35.084
537.14		35.087
537.24		35.091
537.34		35.094
537.44		35.097
537.54	24.95	35.1
537.64		35.103
537.74		35.107
537.84		35.11
537.94		35.113
538.	24.951	35.115
538.01		
538.02		35.116
538.05		35.117
538.14		35.12
538.24		35.123
538.34		35.126
538.44		35.129
538.54	24.952	35.132
538.64		35.136
538.74		35.139
538.84		35.142
538.94		35.145
539.	24.953	35.147
539.01		
539.02		35.148
539.05		35.149
539.14		35.152

539.24		35.155
539.34		35.158
539.44	24.954	35.161
539.54		35.164
539.64		35.168
539.74		35.171
539.84		35.174
539.94	24.955	35.177
540.		35.179
540.01		35.18
540.02		
540.05		35.181
540.14		35.184
540.24		35.187
540.34		35.19
540.44	24.956	35.193
540.54		35.196
540.64		35.2
540.74		35.203
540.84		35.206
540.94	24.957	35.209
541.		35.211
541.01		
541.02		35.212
541.05		35.213
541.14		35.216
541.24		35.219
541.34		35.222
541.44	24.958	35.225
541.54		35.228
541.64		35.232
541.74		35.235
541.84		35.238
541.94	24.959	35.241
542.		35.243
542.01		
542.02		35.244
542.05		35.245
542.14		35.247
542.24		35.251
542.34		35.254
542.44	24.96	35.257
542.54		35.26
542.64		35.263
542.74		35.266
542.84	24.961	35.27
542.94		35.273
543.		35.275
543.01		
543.02		
543.05		35.276
543.14		35.279
543.24		35.282
543.34	24.962	35.286
543.44		35.289
543.54		35.292
543.64		35.295
543.74		35.298
543.84		35.301
543.94		35.305

544.	24.963	35.306
544.01		35.307
544.02		
544.05		35.308
544.14		35.311
544.24		35.314
544.34	24.964	35.317
544.44		35.32
544.54		35.323
544.64		35.327
544.74		35.33
544.84	24.965	35.333
544.94		35.336
545.		35.338
545.01		
545.02		35.339
545.05		35.34
545.14		35.342
545.24		35.346
545.34	24.966	35.349
545.44		35.352
545.54		35.355
545.64		35.358
545.74		35.361
545.84	24.967	35.364
545.94		35.368
546.		35.369
546.01		35.37
546.02		
546.05		35.371
546.14		35.374
546.24		35.377
546.34	24.968	35.38
546.44		35.383
546.54		35.386
546.64		35.39
546.74		35.393
546.84	24.969	35.396
546.94		35.399
547.		35.401
547.01		
547.02		
547.05		35.402
547.14		35.405
547.24		35.408
547.34	24.97	35.412
547.44		35.415
547.54		35.418
547.64		35.421
547.74		35.424
547.84	24.971	35.427
547.94		35.43
548.		35.432
548.01		
548.02		35.433
548.05		35.434
548.14		35.437
548.24		35.44
548.34		35.443
548.44		35.446

548.54	24.972	35.449
548.64		35.452
548.74		35.455
548.84	24.973	35.458
548.94		35.461
549.		35.463
549.01		35.464
549.02		
549.05		35.465
549.14		35.468
549.24		35.471
549.34	24.974	35.474
549.44		35.477
549.54		35.48
549.64		35.483
549.74		35.486
549.84	24.975	35.49
549.94		35.493
550.		35.494
550.01		35.495
550.02		
550.05		35.496
550.14		35.499
550.24		35.502
550.34	24.976	35.505
550.44		35.508
550.54		35.511
550.64		35.514
550.74		35.517
550.84	24.977	35.521
550.94		35.524
551.		35.526
551.01		
551.02		
551.05		35.527
551.14		35.53
551.24		35.533
551.34	24.978	35.536
551.44		35.539
551.54		35.542
551.64		35.545
551.74		35.548
551.84	24.979	35.552
551.94		35.555
552.		35.556
552.01		35.557
552.02		
552.05		35.558
552.14		35.561
552.24		35.564
552.34	24.98	35.567
552.44		35.57
552.54		35.573
552.64		35.576
552.74		35.579
552.84	24.981	35.582
552.94		35.585
553.		35.587
553.01		35.588
553.02		

553.05		35.589
553.14		35.592
553.24		35.595
553.34	24.982	35.598
553.44		35.601
553.54		35.604
553.64		35.607
553.74		35.61
553.84	24.983	35.613
553.94		35.616
554.		35.618
554.01		
554.02		35.619
554.05		35.62
554.14		35.622
554.24		35.625
554.34	24.984	35.629
554.44		35.632
554.54		35.635
554.64		35.638
554.74		35.641
554.84	24.985	35.644
554.94		35.647
555.		35.649
555.01		
555.02		
555.05		35.65
555.14		35.653
555.24		35.656
555.34	24.986	35.659
555.44		35.662
555.54		35.665
555.64		35.668
555.74		35.671
555.84		35.674
555.94	24.987	35.677
556.		35.679
556.01		35.68
556.02		
556.05		35.681
556.14		35.684
556.24		35.687
556.34		35.69
556.44	24.988	35.693
556.54		35.696
556.64		35.699
556.74		35.702
556.84		35.705
556.94	24.989	35.708
557.		35.71
557.01		
557.02		
557.05		35.711
557.14		35.714
557.24		35.717
557.34		35.72
557.44	24.99	35.723
557.54		35.726
557.64		35.729
557.74		35.732

557.84		35.735
557.94	24.991	35.738
558.		35.74
558.01		35.741
558.02		
558.05		35.742
558.14		35.744
558.24		35.748
558.34		35.751
558.44	24.992	35.754
558.54		35.757
558.64		35.76
558.74		35.763
558.84		35.766
558.94	24.993	35.769
559.		35.771
559.01		
559.02		
559.05		35.772
559.14		35.775
559.24		35.778
559.34		35.781
559.44		35.784
559.54	24.994	35.787
559.64		35.79
559.74		35.793
559.84		35.796
559.94		35.799
560.	24.995	35.801
560.4		35.813
560.8	24.996	35.825
562.	24.998	35.861
565.6	25.005	35.968
569.6	25.013	36.086
573.6	25.02	36.203
577.6	25.028	36.319
581.6	25.035	36.433
585.6	25.042	36.545
589.6	25.049	36.657
593.6	25.056	36.767
597.6	25.063	36.876
600.	25.067	36.941
606.	25.077	37.101
612.	25.087	37.258
630.	25.116	37.713
684.	25.189	38.853
738.	25.252	39.82
798.	25.312	40.703
858.	25.364	41.414
918.	25.408	41.972
978.	25.445	42.396
1038.	25.477	42.701
1098.	25.504	42.901
1158.	25.526	43.008
1200.	25.539	43.041
1212.	25.543	43.05
1224.	25.547	43.056
1260.	25.556	43.038
1296.	25.564	42.996
1404.	25.579	42.701

1524.	25.587	42.211
1644.	25.586	41.599
1764.	25.579	40.898
1884.	25.566	40.132
2004.	25.548	39.322
2124.	25.527	38.487
2244.	25.502	37.636
2322.	25.485	37.078
2400.	25.466	36.521
2412.	25.463	36.436
2424.	25.461	36.352
2460.	25.452	36.094
2496.	25.442	35.838
2604.	25.414	35.081
2724.	25.382	34.258
2844.	25.348	33.456
2964.	25.313	32.676
3084.	25.277	31.921
3204.	25.241	31.192
3324.	25.205	30.49
3444.	25.168	29.816
3522.	25.144	29.389
3600.	25.12	28.974
3612.	25.116	28.911
3624.	25.113	28.848
3660.	25.103	28.667
3768.	25.069	28.127
3876.	25.036	27.608
3996.	24.999	27.059
4116.	24.963	26.536
4236.	24.927	26.279
4356.	24.891	26.124
4476.	24.856	25.98
4596.	24.547	25.845
4716.	24.188	25.718
4800.	23.94	25.634
4812.	23.904	25.622
4824.	23.869	25.61
4860.	23.764	25.576
4968.	23.441	25.475
5076.	23.133	25.379
5196.	22.808	25.278
5316.	22.499	25.182
5436.	22.206	25.091
5556.	21.928	25.005
5676.	21.663	24.923
5796.	21.413	24.854
5916.	21.175	24.797
6000.	21.014	24.757
6012.	20.992	24.752
6024.	20.969	24.746
6060.	20.904	24.73
6168.	20.712	24.681
6276.	20.529	24.635
6396.	20.337	24.584
6516.	20.154	24.535
6636.	19.981	24.487
6756.	19.817	24.441
6876.	19.662	24.396
6996.	19.515	24.353
7116.		

	19.375	24.311
7200.	19.281	24.283
7212.	19.268	24.279
7224.	19.255	24.274
7260.	19.217	24.263
7368.	19.105	24.228
7476.	19.	24.194
7596.	18.89	24.157
7716.	18.786	24.122
7836.	18.69	24.089
7956.	18.599	24.057
8076.	18.514	24.026
8196.	18.435	23.996
8316.	18.361	23.968
8400.	18.314	23.949
8412.	18.307	23.946
8424.	18.3	23.944
8460.	18.28	23.936
8568.	18.222	23.914
8676.	18.167	23.895
8796.	18.111	23.875
8916.	18.057	23.856
9036.	18.007	23.836
9156.	17.96	23.817
9276.	17.916	23.798
9396.	17.873	23.779
9516.	17.834	23.761
9600.	17.808	23.748
9612.	17.805	23.746
9624.	17.801	23.745
9660.	17.79	23.739
9768.	17.76	23.723
9888.	17.729	23.706
10008	17.699	23.689
10128	17.671	23.672
10248	17.643	23.655
10368	17.617	23.638
10488	17.589	23.621
10608	17.565	23.605
10728	17.542	23.589
10800	17.528	23.579

Material Data

Drum Contents

TABLE 28
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 29
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 30
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20

2700.5	40

Drum Steel

TABLE 31
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 32
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 33
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 34
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 35
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 36
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 37
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 38
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 39
Room Steel > Constants

Density	7854 kg m^-3

TABLE 40
Room Steel > Isotropic Thermal Conductivity

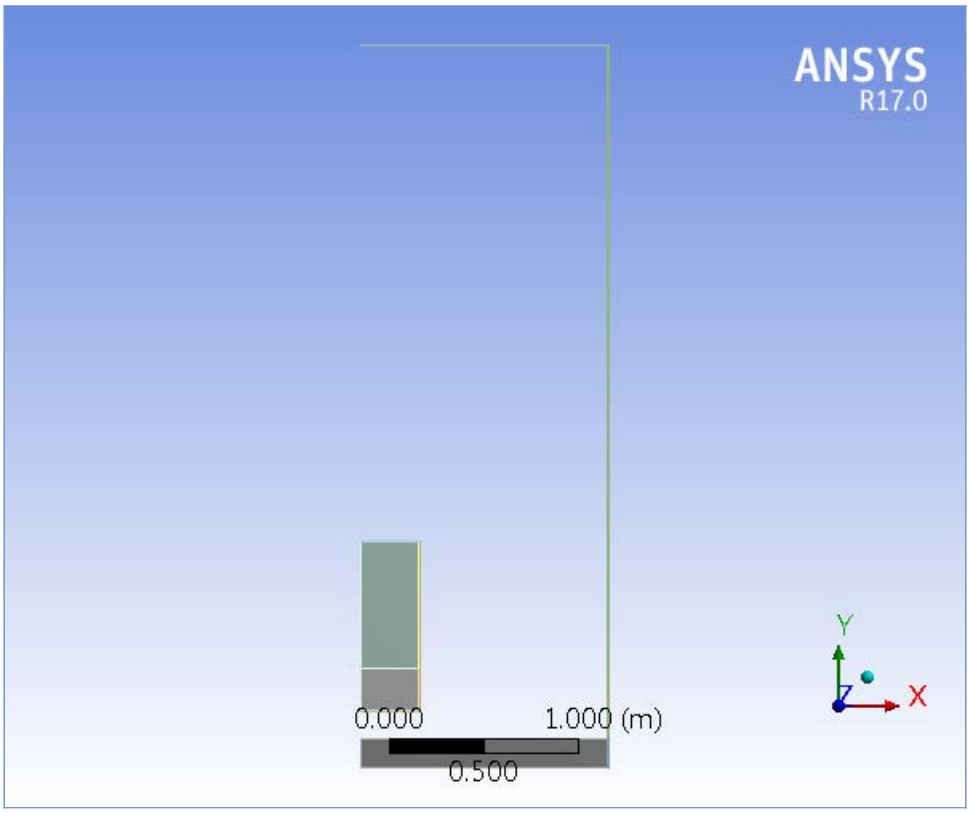
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 41
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh
First Saved	Wednesday, December 23, 2015
Last Saved	Monday, April 18, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (H4)

Geometry

TABLE 2
Model (H4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-20\DM\SYS-20.agdb
Type	DesignModeler
Length Unit	Meters
Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	
Volume	N/A
Mass	N/A
Surface Area(approx.)	0.50726 m²
Scale Factor Value	1.
Statistics	
Bodies	18

Active Bodies	18
Nodes	6596
Elements	1918
Mesh Metric	None
Basic Geometry Options	
Parameters	Yes
Parameter Key	DS
Attributes	No
Named Selections	No
Material Properties	No
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	No
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	No
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (H4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										
Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		3.6512 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										
Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area (approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	2.3185e-002 m²
Statistics											

Nodes	1157	205	40	227	2277	447	205	40	351	62	557
Elements	360	54	9	60	720	120	54	9	100	15	150
Mesh Metric	None										

TABLE 4
Model (H4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed						
Graphics Properties							
Visible	Yes						
Transparency	1						
Definition							
Suppressed	No						
Stiffness Behavior	Flexible						
Coordinate System	Default Coordinate System						
Reference Temperature	By Environment						
Behavior	None						
Material							
Assignment	Room Steel		Drum Steel				
Nonlinear Effects	Yes						
Thermal Strain Effects	Yes						
Bounding Box							
Length X	6.35e-003 m	1.3035 m	0.30797 m	3.4036e-003 m			0.30797 m
Length Y	6.35e-003 m		3.4036e-003 m		0.89558 m	3.4037e-003 m	
Properties							
Volume	N/A						
Mass	N/A						
Centroid X	N/A						
Centroid Y	N/A						
Centroid Z	N/A						
Moment of Inertia Ip1	N/A						
Moment of Inertia Ip2	N/A						
Moment of Inertia Ip3	N/A						
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²	1.0482e-003 m²	1.1584e-005 m²	3.0482e-003 m²	1.1584e-005 m²	1.0482e-003 m²
Statistics							
Nodes	40	227	172	40	337	40	172
Elements	9	60	45	9	90	9	45
Mesh Metric	None						

Coordinate Systems

TABLE 5
Model (H4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m
Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (H4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	

Enabled	Yes

TABLE 7
Model (H4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.27e-004 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	18
Active Connections	18

TABLE 8
Model (H4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										
Trim Tolerance	1.27e-004 m										
Suppressed	No										
Advanced											
Formulation	Program Controlled										
Detection Method	Program Controlled										
Elastic Slip Tolerance	Program Controlled										
Thermal Conductance	Program Controlled										
Pinball Region	Program Controlled										
Geometric Modification											
Contact Geometry Correction	None										
Target Geometry Correction	None										

TABLE 9
Model (H4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 13*	*Contact Region 14*	*Contact Region 15*	*Contact Region 16*	*Contact Region 17*	*Contact Region 18*
State	Fully Defined						
Scope							

Scoping Method	Geometry Selection
Contact	1 Edge
Target	1 Edge
Contact Bodies	Surface Body
Target Bodies	Surface Body
Shell Thickness Effect	No
Definition	
Type	Bonded
Scope Mode	Automatic
Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	1.27e-004 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

Mesh

TABLE 10
Model (H4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes

Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	6596
Elements	1918
Mesh Metric	None

TABLE 11
Model (H4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Mapped Face Meshing*	*Edge Sizing 10*
State	Fully Defined										
Scope											
Scoping Method	Named Selection									Geometry Selection	Named Selection
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall	Steel Roof		SWB Thickness
Geometry										18 Faces	
Definition											
Suppressed	No										
Type	Number of Divisions										Number of Divisions
Number of Divisions	3	18	20	40	5	25	3	50	20		3
Behavior	Hard										Hard
Bias Type	No Bias										No Bias
Mapped Mesh										Yes	
Method										Quadrilaterals	
Constrain Boundary										No	
Advanced											
Specified Sides										No Selection	
Specified Corners										No Selection	
Specified Ends										No Selection	

TABLE 12
Model (H4) > Mesh > Mesh Controls

Object Name	*Edge Sizing 11*	*Edge Sizing 12*
State	Fully Defined	
Scope		
Scoping Method	Named Selection	
Named Selection	SWB Horizontal Line	SWB Verical Line
Definition		
Suppressed	No	
Type	Number of Divisions	
Number of Divisions	15	30
Behavior	Hard	
Bias Type	No Bias	

Named Selections

TABLE 13
Model (H4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Vertical Wall*	*Steel Roof*	*SWB Thickness*	*SWB Horizontal Line*
State	Fully Defined										
Scope											

Scoping Method	Worksheet				Geometry Selection	Worksheet					
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges
Definition											
Send to Solver	Yes										
Visible	Yes										
Program Controlled Inflation	Exclude										
Statistics											
Type	Manual										
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	10 Edges	2 Edges	4 Edges	14 Edges	4 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	6.35e-002 m	7.3025 m	5.2141 m	4.765e-002 m	1.2319 m
Suppressed	0										
Used by Mesh Worksheet	No										
Tolerance											
Tolerance Type	Program Controlled					Program Controlled					
Zero Tolerance	1.e-008					1.e-008					
Relative Tolerance	1.e-003					1.e-003					

TABLE 14
Model (H4) > Named Selections > Named Selections

Object Name	*SWB Verical Line*
State	Fully Defined
Scope	
Scoping Method	Worksheet
Geometry	2 Edges
Definition	
Send to Solver	Yes
Visible	Yes
Program Controlled Inflation	Exclude
Statistics	
Type	Manual
Total Selection	2 Edges
Length	1.7912 m
Suppressed	0
Used by Mesh Worksheet	No
Tolerance	
Tolerance Type	Program Controlled
Zero Tolerance	1.e-008
Relative Tolerance	1.e-003

Transient Thermal (H5)

TABLE 15
Model (H4) > Analysis

Object Name	*Transient Thermal (H5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 16
Model (H4) > Transient Thermal (H5) > Initial Condition

Object Name	*Initial Temperature*

State	Fully Defined
Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 17
Model (H4) > Transient Thermal (H5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	487.
Current Step Number	487.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	12. s
Minimum Time Step	1.2 s
Maximum Time Step	120. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	600.
Axisymmetry Divisions	240.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	C:\Users\152166\Desktop\Permacon\2-D_files\dp0\SYS-20\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 18
Model (H4) > Transient Thermal (H5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s			
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			
12	24. s			
13	26. s			
14	28. s			

15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s			
43	86. s			
44	88. s			
45	90. s			
46	92. s			
47	94. s	2.e-002 s	2.e-003 s	0.2 s
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72	144. s			
73	146. s			
74	148. s			
75	150. s			
76	152. s			
77	154. s			
78	156. s			
79	158. s			
80	160. s			

81	161. s
82	162. s
83	163. s
84	164. s
85	165. s
86	166. s
87	167. s
88	168. s
89	169. s
90	170. s
91	171. s
92	172. s
93	173. s
94	174. s
95	175. s
96	176. s
97	177. s
98	178. s
99	179. s
100	180. s
101	181. s
102	182. s
103	183. s
104	184. s
105	185. s
106	186. s
107	187. s
108	188. s
109	189. s
110	190. s
111	191. s
112	192. s
113	193. s
114	194. s
115	195. s
116	196. s
117	197. s
118	198. s
119	199. s
120	200. s
121	201. s
122	202. s
123	203. s
124	204. s
125	205. s
126	206. s
127	207. s
128	208. s
129	209. s
130	210. s
131	211. s
132	212. s
133	213. s
134	214. s
135	215. s
136	216. s
137	217. s
138	218. s
139	219. s
140	220. s
141	221. s
142	222. s
143	223. s
144	224. s
145	225. s
146	226. s

	227. s
148	228. s
149	229. s
150	230. s
151	231. s
152	232. s
153	233. s
154	234. s
155	235. s
156	236. s
157	237. s
158	238. s
159	239. s
160	240. s
161	241. s
162	242. s
163	243. s
164	244. s
165	245. s
166	246. s
167	247. s
168	248. s
169	249. s
170	250. s
171	251. s
172	252. s
173	253. s
174	254. s
175	255. s
176	256. s
177	257. s
178	258. s
179	259. s
180	260. s
181	261. s
182	262. s
183	263. s
184	264. s
185	265. s
186	266. s
187	267. s
188	268. s
189	269. s
190	270. s
191	271. s
192	272. s
193	273. s
194	274. s
195	275. s
196	276. s
197	277. s
198	278. s
199	279. s
200	280. s
201	281. s
202	282. s
203	283. s
204	284. s
205	285. s
206	286. s
207	287. s
208	288. s
209	289. s
210	290. s
211	291. s
212	292. s

	293. s
214	294. s
215	295. s
216	296. s
217	297. s
218	298. s
219	299. s
220	300. s
221	301. s
222	302. s
223	303. s
224	304. s
225	305. s
226	306. s
227	307. s
228	308. s
229	309. s
230	310. s
231	311. s
232	312. s
233	313. s
234	314. s
235	315. s
236	316. s
237	317. s
238	318. s
239	319. s
240	320. s
241	321. s
242	322. s
243	323. s
244	324. s
245	325. s
246	326. s
247	327. s
248	328. s
249	329. s
250	330. s
251	331. s
252	332. s
253	333. s
254	334. s
255	335. s
256	336. s
257	337. s
258	338. s
259	339. s
260	340. s
261	341. s
262	342. s
263	343. s
264	344. s
265	345. s
266	346. s
267	347. s
268	348. s
269	349. s
270	350. s
271	351. s
272	352. s
273	353. s
274	354. s
275	355. s
276	356. s
277	357. s
278	358. s

	359. s
280	360. s
281	361. s
282	362. s
283	363. s
284	364. s
285	365. s
286	366. s
287	367. s
288	368. s
289	369. s
290	370. s
291	371. s
292	372. s
293	373. s
294	374. s
295	375. s
296	376. s
297	377. s
298	378. s
299	379. s
300	380. s
301	381. s
302	382. s
303	383. s
304	384. s
305	385. s
306	386. s
307	387. s
308	388. s
309	389. s
310	390. s
311	391. s
312	392. s
313	393. s
314	394. s
315	395. s
316	396. s
317	397. s
318	398. s
319	399. s
320	400. s
321	401. s
322	402. s
323	403. s
324	404. s
325	405. s
326	406. s
327	407. s
328	408. s
329	409. s
330	410. s
331	411. s
332	412. s
333	413. s
334	414. s
335	415. s
336	416. s
337	417. s
338	418. s
339	419. s
340	420. s
341	421. s
342	422. s
343	423. s
344	424. s

	425. s
346	426. s
347	427. s
348	428. s
349	429. s
350	430. s
351	431. s
352	432. s
353	433. s
354	434. s
355	435. s
356	436. s
357	437. s
358	438. s
359	439. s
360	440. s
361	441. s
362	442. s
363	443. s
364	444. s
365	445. s
366	446. s
367	447. s
368	448. s
369	449. s
370	450. s
371	451. s
372	452. s
373	453. s
374	454. s
375	455. s
376	456. s
377	457. s
378	458. s
379	459. s
380	460. s
381	461. s
382	462. s
383	463. s
384	464. s
385	465. s
386	466. s
387	467. s
388	468. s
389	469. s
390	470. s
391	471. s
392	472. s
393	473. s
394	474. s
395	475. s
396	476. s
397	477. s
398	478. s
399	479. s
400	480. s
401	481. s
402	482. s
403	483. s
404	484. s
405	485. s
406	486. s
407	487. s
408	488. s
409	489. s
410	490. s

	491. s
412	492. s
413	493. s
414	494. s
415	495. s
416	496. s
417	497. s
418	498. s
419	499. s
420	500. s
421	501. s
422	502. s
423	503. s
424	504. s
425	505. s
426	506. s
427	507. s
428	508. s
429	509. s
430	510. s
431	511. s
432	512. s
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435	515. s
436	516. s
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441	521. s
442	522. s
443	523. s
444	524. s
445	525. s
446	526. s
447	527. s
448	528. s
449	529. s
450	530. s
451	531. s
452	532. s
453	533. s
454	534. s
455	535. s
456	536. s
457	537. s
458	538. s
459	539. s
460	540. s
461	541. s
462	542. s
463	543. s
464	544. s
465	545. s
466	546. s
467	547. s
468	548. s
469	549. s
470	550. s
471	551. s
472	552. s
473	553. s
474	554. s
475	555. s
476	556. s

	557. s			
478	558. s			
479	559. s	1.e-002 s		
480	560. s			

				1.e-003 s		

				0.1 s
481	600. s	0.4 s	4.e-002 s	4. s
482	1200. s	6. s	0.6 s	60. s
483	2400. s	12. s	1.2 s	120. s
484	3600. s			
485	4800. s			
486	6000. s			
487	7200. s			

TABLE 19
Model (H4) > Transient Thermal (H5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*	*Radiation 8*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Geometry	1 Edge	2 Edges	1 Edge	3 Edges	1 Edge	2 Edges	1 Edge	5 Edges		1 Edge	2 Edges
Definition											
Type	Temperature	Radiation						Convection	Heat Flux	Radiation	
Magnitude	22.25 °C (step applied)								Tabular Data		
Suppressed	No										
Correlation		Surface to Surface								Surface to Surface	
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			0.9 (step applied)	
Enclosure		1.								2.	
Enclosure Type		Perfect								Perfect	
Film Coefficient								Tabular Data			
Ambient Temperature								Tabular Data			
Convection Matrix								Program Controlled			
Edit Data For								Film Coefficient			
Tabular Data											
Independent Variable								Time			

FIGURE 1
Model (H4) > Transient Thermal (H5) > Temperature

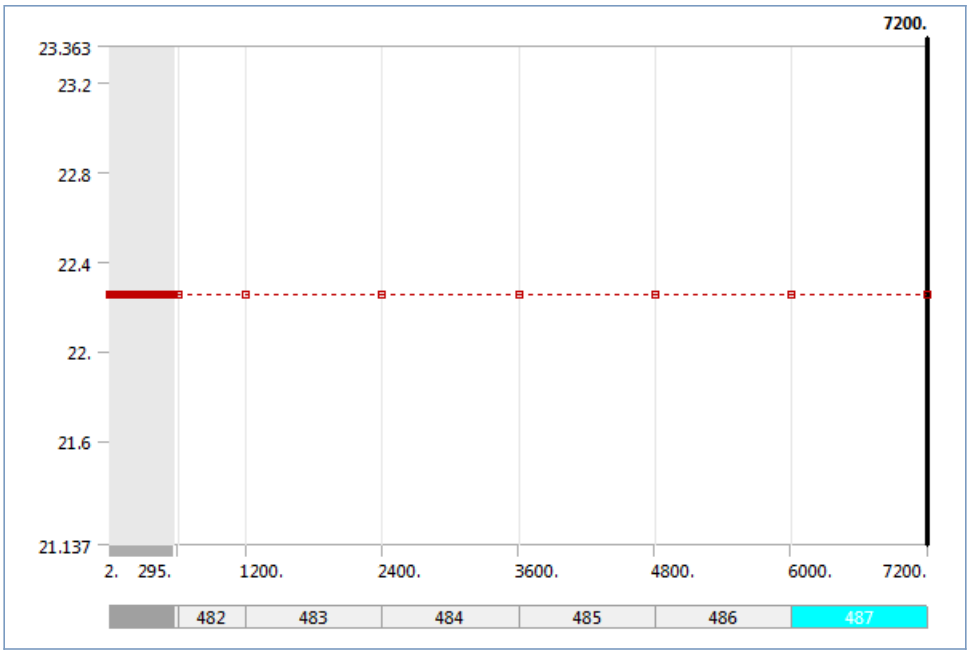


FIGURE 2
Model (H4) > Transient Thermal (H5) > Radiation 2

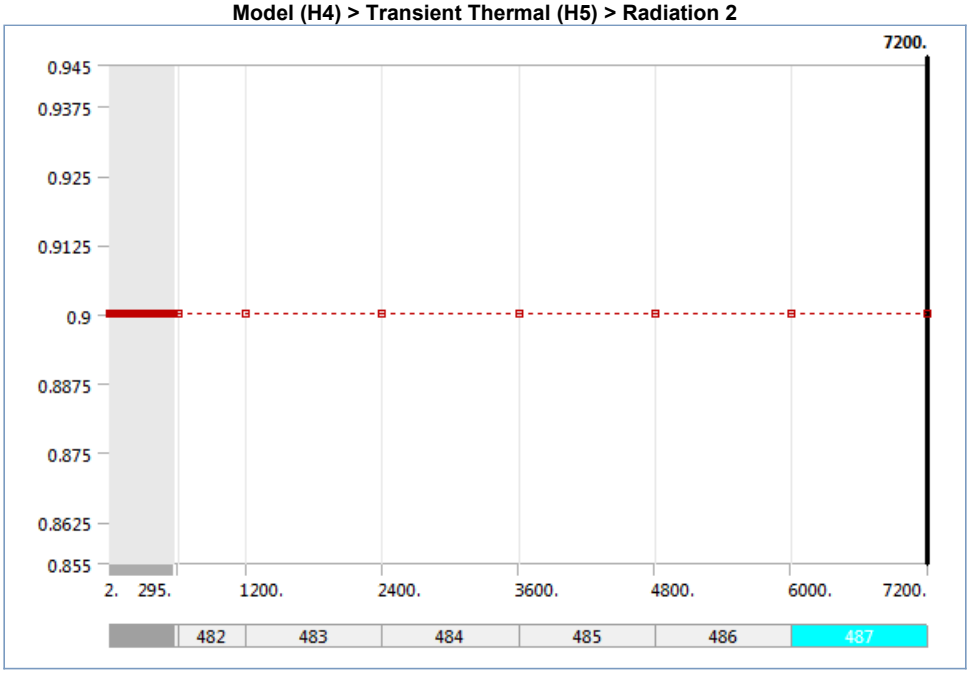


FIGURE 3
Model (H4) > Transient Thermal (H5) > Radiation 3

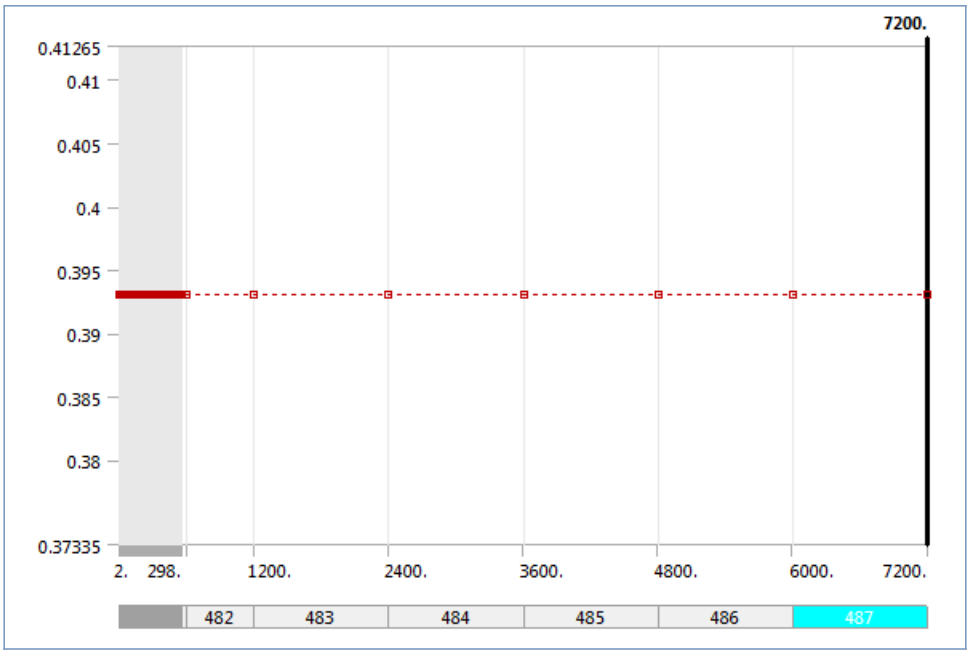


FIGURE 4
Model (H4) > Transient Thermal (H5) > Radiation 4

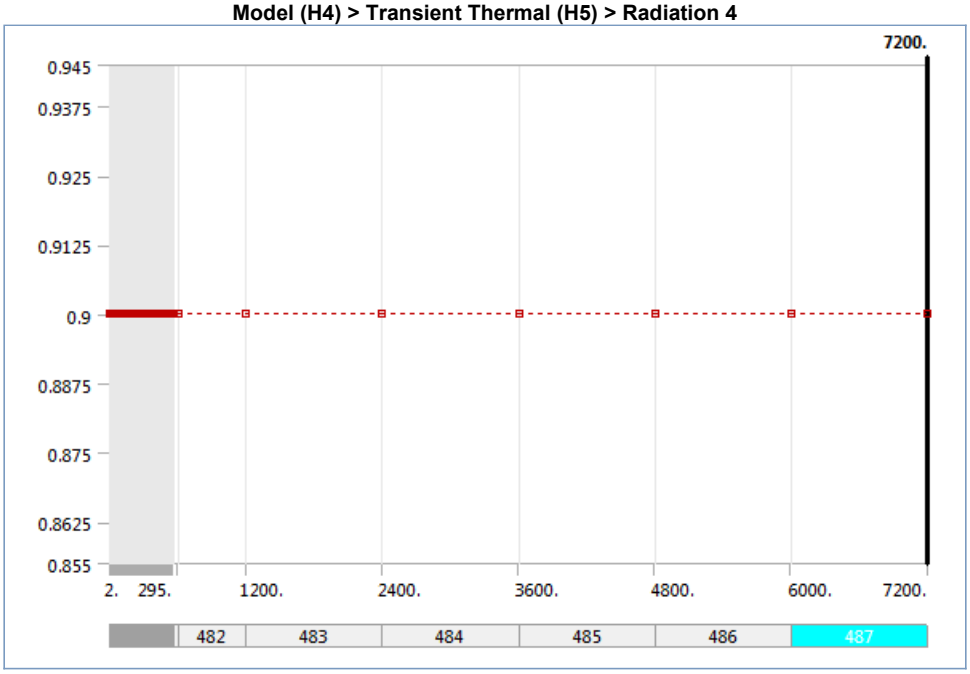


FIGURE 5
Model (H4) > Transient Thermal (H5) > Radiation 5

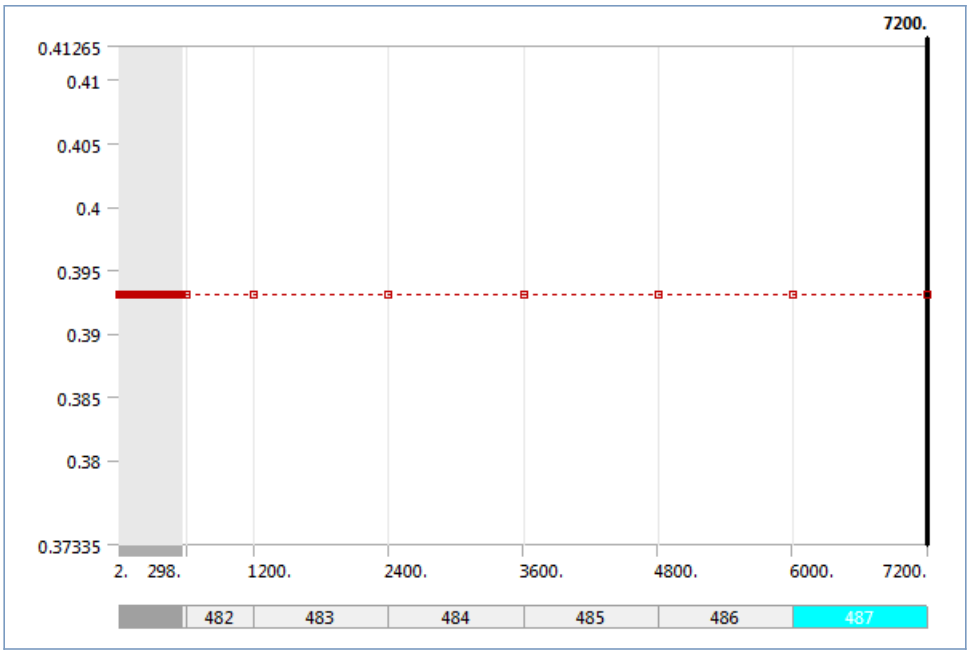


FIGURE 6
Model (H4) > Transient Thermal (H5) > Radiation 6

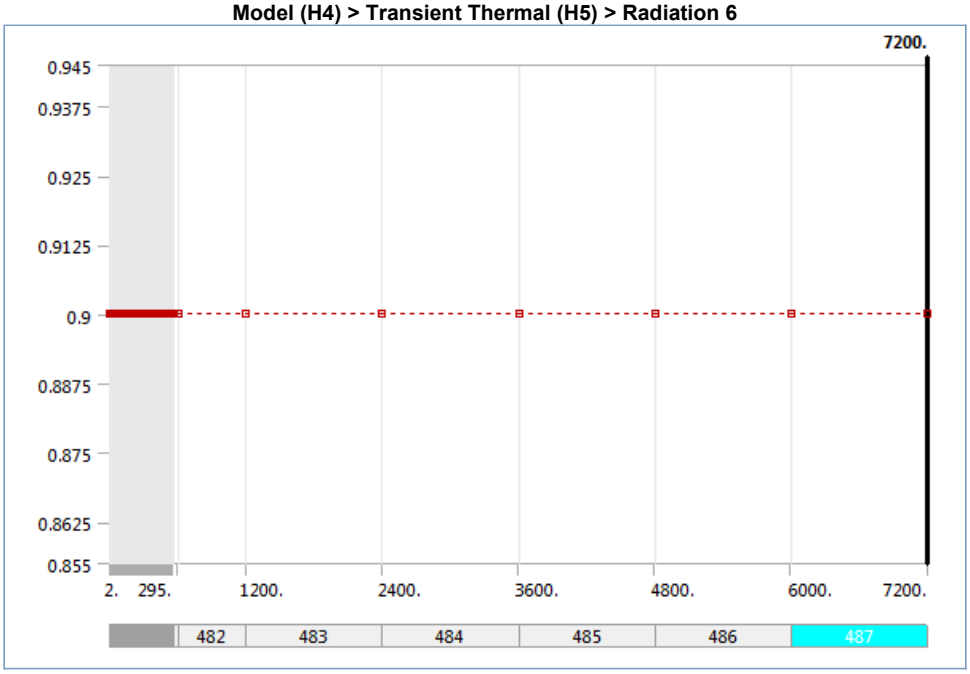


FIGURE 7
Model (H4) > Transient Thermal (H5) > Radiation 7

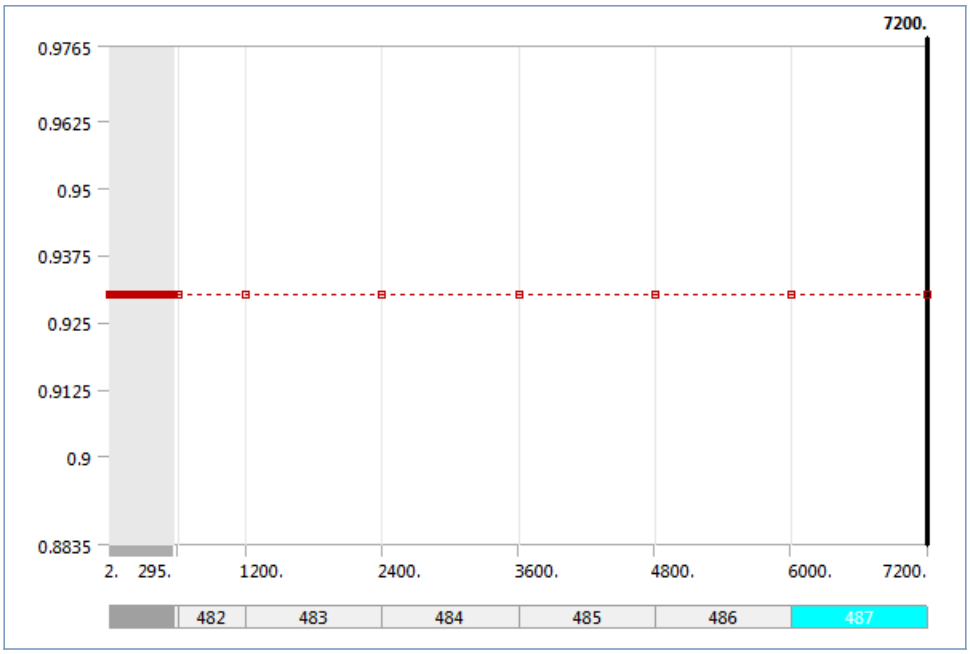


FIGURE 8
Model (H4) > Transient Thermal (H5) > Convection

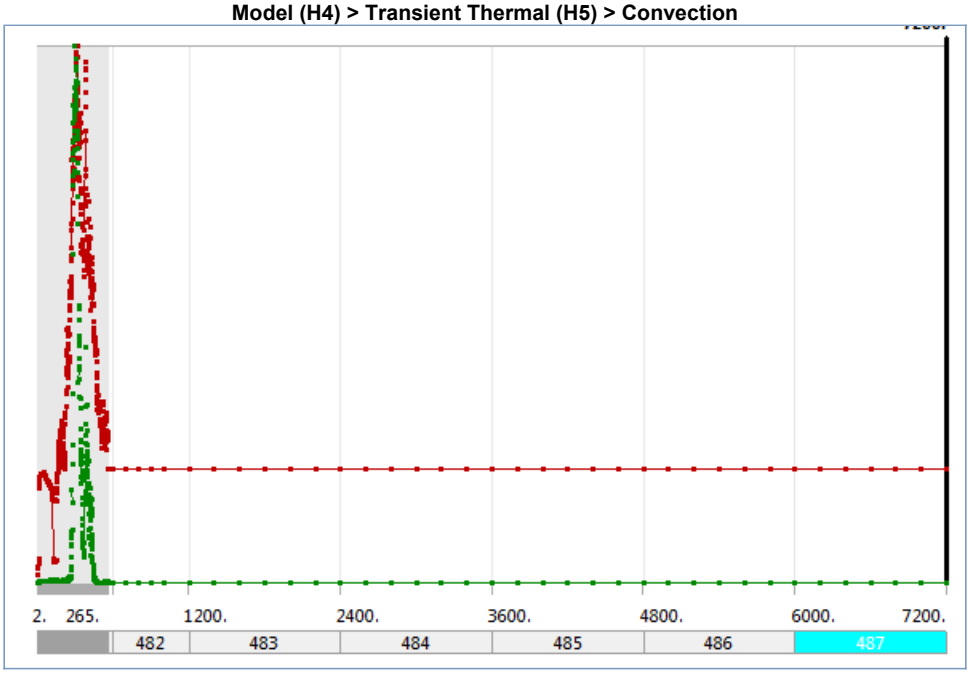


TABLE 20
Model (H4) > Transient Thermal (H5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	16.88
3	6.	0.92	16.95
4	8.	1.12	16.99
5	10.	1.3	17.
6	12.	4.2	16.98
7	14.	4.34	
8	16.	4.54	17.21
9	18.	4.64	17.05
10	20.	4.7	17.12
11	22.	4.73	17.18

12	24.	4.76	17.22
13	26.	4.78	17.26
14	28.	4.79	17.28
15	30.	4.8	17.3
16	32.	4.78	17.36
17	34.	4.76	17.39
18	36.	4.75	17.48
19	38.	4.76	17.6
20	40.	4.78	17.65
21	42.	4.8	
22	44.	4.82	
23	46.	4.83	17.68
24	48.		17.78
25	50.	4.82	17.86
26	52.		17.94
27	54.	4.8	17.98
28	56.	4.77	18.
29	58.	4.76	18.02
30	60.	4.73	18.05
31	62.	4.7	18.1
32	64.	4.67	18.14
33	66.	4.64	18.16
34	68.	4.6	18.15
35	70.	4.56	18.21
36	72.	4.54	18.23
37	74.	4.53	18.25
38	76.	4.55	18.26
39	78.	4.52	18.27
40	80.	4.5	
41	82.	4.49	18.26
42	84.	4.45	
43	86.	4.42	
44	88.	4.39	18.33
45	90.	4.38	18.4
46	92.	4.37	18.47
47	94.	4.34	18.55
48	96.	4.31	18.62
49	98.	4.3	18.9
50	100.	4.32	19.45
51	102.	4.29	19.98
52	104.	4.24	20.53
53	106.	4.21	21.04
54	108.	4.2	21.11
55	110.	4.09	20.88
56	112.	4.01	20.44
57	114.	3.99	19.87
58	116.	3.94	19.81
59	118.	3.85	19.46
60	120.	3.75	19.8
61	122.	1.31	19.88
62	124.	1.28	19.91
63	126.	1.24	19.94
64	128.	1.22	19.72
65	130.		19.46
66	132.		20.75
67	134.	1.24	22.42
68	136.	1.27	22.33
69	138.		21.67
70	140.	3.71	21.03
71	142.	3.76	20.54
72	144.	1.22	20.02
73	146.	1.25	19.7
74	148.	3.69	20.12
75	150.	3.98	20.43
76	151.	4.05	19.85
	152.	4.23	19.54

77	153.	4.48	19.13
	154.		18.88
78	155.	4.44	18.57
	156.	4.63	18.48
79	157.	4.74	18.34
	158.	4.79	18.23
80	159.	4.85	18.09
	160.	4.93	18.05
81	161.	5.04	18.
82	162.	5.15	17.99
83	163.	5.3	17.97
84	164.	5.4	17.98
85	165.	5.61	17.96
86	166.	5.76	17.99
87	167.	5.83	17.98
88	168.	5.82	17.92
89	169.	5.87	
90	170.	5.97	17.97
91	171.	6.1	18.24
92	172.	6.21	18.77
93	173.	6.2	19.16
94	174.	6.21	19.64
95	175.	6.26	19.81
96	176.	6.27	19.89
97	177.	6.24	19.06
98	178.	6.32	19.37
99	179.	6.28	19.72
100	180.	6.19	19.83
101	181.	6.32	19.77
102	182.	6.44	19.71
103	183.	6.54	19.27
104	184.	6.61	18.34
105	185.	6.7	
106	186.	6.79	18.29
107	187.	6.82	18.25
108	188.	6.81	18.3
109	189.	6.93	18.54
110	190.	6.82	18.64
111	191.	6.77	18.63
112	192.	6.73	18.52
113	193.	6.71	18.38
114	194.		18.77
115	195.	6.79	19.12
116	196.	6.86	19.25
117	197.	6.71	19.41
118	198.	6.48	19.61
119	199.	6.29	19.9
120	200.	6.06	19.68
121	201.	5.91	19.58
122	202.	5.86	19.87
123	203.	5.73	20.13
124	204.	5.61	20.26
125	205.	5.5	
126	206.	5.38	20.14
127	207.	5.18	20.07
128	208.	5.05	20.24
129	209.	5.22	20.56
130	210.	5.1	20.77
131	211.	5.36	20.88
132	212.	5.6	20.95
133	213.	5.34	21.12
134	214.	4.98	21.07
135	215.	5.1	20.79
136	216.	5.64	20.9
137	217.	6.79	21.15
138	218.	7.09	21.53

139	219.	7.13	23.4
140	220.	7.25	23.17
141	221.	7.24	21.34
142	222.	7.51	21.29
143	223.	8.03	21.7
144	224.	8.22	21.59
145	225.	8.19	21.32
146	226.	9.08	20.97
147	227.	8.87	20.6
148	228.	8.9	20.24
149	229.	9.63	20.26
150	230.	9.83	20.24
151	231.	9.79	20.45
152	232.	9.69	20.55
153	233.	9.73	20.24
154	234.	10.68	20.21
155	235.	10.71	19.51
156	236.	10.6	20.12
157	237.	10.09	20.61
158	238.	9.89	20.9
159	239.	9.	20.73
160	240.	10.42	20.8
161	241.	9.42	23.27
162	242.	9.15	23.11
163	243.	9.27	23.7
164	244.	9.3	22.97
165	245.	8.74	22.29
166	246.	8.34	21.72
167	247.	8.88	21.85
168	248.	9.57	22.54
169	249.	9.38	22.22
170	250.	9.55	22.36
171	251.	11.48	21.71
172	252.	10.49	21.24
173	253.	11.06	22.08
174	254.	11.64	22.94
175	255.	11.95	24.07
176	256.	12.15	27.31
177	257.	12.24	25.45
178	258.	12.1	22.74
179	259.	12.64	23.56
180	260.	12.62	26.44
181	261.	12.4	28.62
182	262.	12.2	28.43
183	263.	12.56	47.63
184	264.	13.67	40.55
185	265.	13.63	67.45
186	266.	14.71	113.69
187	267.	17.62	93.67
188	268.	14.96	122.22
189	269.	13.47	113.63
190	270.	12.83	106.56
191	271.	11.98	90.82
192	272.	13.98	207.31
193	273.	18.06	179.99
194	274.	16.83	123.91
195	275.	15.84	300.3
196	276.	17.11	261.28
197	277.	17.17	406.44
198	278.	15.21	695.86
199	279.	16.41	857.53
200	280.	17.27	904.08
201	281.	17.68	839.09
202	282.	17.84	966.17
203	283.	18.38	889.51
204	284.	17.71	1004.2

	285.	16.66	928.58
206	286.	16.86	936.24
207	287.	18.71	868.56
208	288.	17.69	910.43
209	289.	18.1	950.13
210	290.	17.61	933.13
211	291.	18.	978.16
212	292.	17.21	992.68
213	293.	18.75	972.39
214	294.	19.8	986.12
215	295.	18.89	1023.1
216	296.	20.01	1126.
217	297.	18.45	1040.4
218	298.	18.39	1018.7
219	299.	18.88	1043.2
220	300.	18.57	1029.5
221	301.	20.38	1054.6
222	302.	21.55	1015.6
223	303.	19.02	1014.
224	304.	20.58	1053.8
225	305.	21.87	1100.7
226	306.	21.57	1084.2
227	307.	20.56	1028.4
228	308.	19.72	1004.4
229	309.	19.98	994.41
230	310.	21.99	1075.2
231	311.	20.52	1050.7
232	312.	19.82	948.66
233	313.	20.32	950.97
234	314.	21.77	913.52
235	315.	22.24	945.32
236	316.	21.79	932.43
237	317.	20.01	937.04
238	318.	17.57	883.26
239	319.	18.41	863.37
240	320.	19.87	813.01
241	321.	18.8	864.46
242	322.	18.91	759.3
243	323.	16.79	428.32
244	324.	16.77	455.61
245	325.	16.86	436.96
246	326.	17.66	478.56
247	327.	18.84	464.22
248	328.	19.2	559.31
249	329.	19.29	583.2
250	330.	18.67	587.92
251	331.	18.53	519.47
252	332.	18.35	510.27
253	333.	19.22	524.38
254	334.	19.52	505.57
255	335.	18.12	400.83
256	336.	19.11	397.09
257	337.	18.7	375.08
258	338.	19.52	332.04
259	339.	18.29	285.86
260	340.	16.44	266.87
261	341.	15.8	235.76
262	342.	16.26	221.28
263	343.	15.37	276.42
264	344.	15.64	290.79
265	345.	14.99	307.97
266	346.	13.83	309.15
267	347.	14.08	273.9
268	348.	14.15	261.79
269	349.	14.18	248.48
270	350.	13.95	244.39

	351.	14.1	227.28
272	352.	13.94	190.48
273	353.	14.28	177.1
274	354.	14.35	149.27
275	355.	14.25	133.58
276	356.	14.84	118.96
277	357.	14.32	106.59
278	358.	13.74	95.56
279	359.	14.12	98.3
280	360.	14.02	92.69
281	361.	14.33	87.76
282	362.	14.35	81.72
283	363.	14.36	77.81
284	364.	13.88	72.04
285	365.	13.6	96.59
286	366.	13.48	81.1
287	367.	13.78	75.02
288	368.	13.79	75.21
289	369.	13.12	68.57
290	370.	12.86	69.49
291	371.	12.84	69.22
292	372.	14.74	69.06
293	373.	14.75	73.17
294	374.	18.77	276.14
295	375.	19.75	262.49
296	376.	21.24	303.56
297	377.	21.34	503.23
298	378.	20.86	381.54
299	379.	21.58	343.53
300	380.	20.33	319.28
301	381.	18.38	180.29
302	382.	17.24	194.14
303	383.	16.93	199.18
304	384.	15.73	204.49
305	385.	16.44	233.99
306	386.	15.89	246.07
307	387.	16.17	260.65
308	388.	15.92	246.48
309	389.	15.06	288.17
310	390.	15.07	382.43
311	391.	14.45	331.01
312	392.	14.44	301.01
313	393.	14.37	276.49
314	394.	13.84	235.34
315	395.	13.66	211.01
316	396.	13.4	177.13
317	397.	13.2	259.91
318	398.	13.58	235.77
319	399.	13.26	242.91
320	400.	13.51	265.92
321	401.	13.98	177.17
322	402.	13.71	107.28
323	403.	13.53	157.69
324	404.	13.63	219.78
325	405.	14.29	220.81
326	406.	15.2	187.76
327	407.	14.49	125.19
328	408.	12.95	111.71
329	409.	15.9	196.47
330	410.	14.07	211.25
331	411.	13.14	189.24
332	412.	12.45	172.57
333	413.	14.4	164.24
334	414.	14.84	175.82
335	415.	13.58	146.66
336	416.	12.76	162.3

	417.	11.96	127.8
338	418.	11.47	95.05
339	419.	12.65	70.55
340	420.	13.48	146.26
341	421.	13.12	212.58
342	422.	12.77	171.49
343	423.	12.62	185.
344	424.	12.6	191.12
345	425.	12.61	153.32
346	426.	12.23	156.79
347	427.	12.75	106.68
348	428.	13.	115.8
349	429.	13.36	187.22
350	430.	13.59	167.99
351	431.	12.02	102.27
352	432.	11.65	95.62
353	433.	12.04	94.38
354	434.	11.74	103.97
355	435.	11.66	84.84
356	436.	11.95	68.66
357	437.	11.71	59.64
358	438.	12.49	51.39
359	439.	12.29	40.17
360	440.	12.36	47.24
361	441.	11.74	30.18
362	442.	11.63	33.51
363	443.	10.97	29.43
364	444.	10.52	27.2
365	445.	10.64	24.53
366	446.	10.77	33.16
367	447.	10.37	34.9
368	448.	10.41	22.8
369	449.	10.22	23.81
370	450.	10.32	22.2
371	451.	10.01	21.66
372	452.	10.17	23.62
373	453.	9.97	23.74
374	454.	10.2	19.46
375	455.	9.92	17.78
376	456.	10.12	17.55
377	457.	9.92	17.49
378	458.	10.04	17.03
379	459.	9.75	18.67
380	460.		18.66
381	461.	9.8	18.92
382	462.	9.65	17.16
383	463.	9.8	17.22
384	464.	9.68	17.72
385	465.	9.34	17.93
386	466.	8.92	17.99
387	467.	8.88	17.96
388	468.	8.92	17.91
389	469.	8.69	18.03
390	470.	8.38	17.8
391	471.	8.21	16.8
392	472.	7.87	16.04
393	473.	7.42	15.91
394	474.	7.69	15.79
395	475.	7.92	15.86
396	476.	7.97	15.91
397	477.	7.55	15.78
398	478.	7.62	15.8
399	479.	7.54	15.86
400	480.	7.56	15.87
401	481.	7.57	15.92
402	482.	7.56	15.89

403	483.	7.72	16.11
404	484.	7.66	16.2
405	485.	7.3	16.29
406	486.	7.33	16.21
407	487.	7.49	16.25
408	488.	7.67	16.32
409	489.	7.68	16.07
410	490.	7.44	16.11
411	491.	7.	15.99
412	492.	6.91	15.98
413	493.	6.99	16.16
414	494.	6.93	16.26
415	495.	6.8	16.38
416	496.	6.79	16.37
417	497.	6.78	16.23
418	498.	6.82	16.06
419	499.	6.93	
420	500.	7.03	
421	501.	6.71	16.05
422	502.	6.34	16.01
423	503.	6.32	15.68
424	504.	6.21	15.4
425	505.	6.12	15.34
426	506.	6.07	15.35
427	507.	5.83	15.78
428	508.	6.09	16.11
429	509.	6.11	16.13
430	510.	6.13	16.06
431	511.	6.19	16.
432	512.	6.26	15.93
433	513.	6.57	16.11
434	514.	6.63	16.02
435	515.	6.68	15.91
436	516.	6.62	15.98
437	517.	6.59	16.37
438	518.	6.63	16.6
439	519.	6.84	16.74
440	520.	7.59	16.69
441	521.	7.62	16.73
442	522.	7.71	16.86
443	523.	7.67	16.78
444	524.	7.35	
445	525.	6.9	16.9
446	526.	6.94	16.86
447	527.	7.09	16.69
448	528.	7.06	16.72
449	529.	6.97	16.52
450	530.	6.98	17.15
451	531.	6.79	17.01
452	532.	6.52	17.04
453	533.	6.47	16.9
454	534.	6.38	16.77
455	535.	6.37	16.8
456	536.	6.31	16.69
457	537.	6.19	16.77
458	538.	6.	16.98
459	539.	5.79	16.96
460	540.	6.13	16.99
461	541.	7.17	17.24
462	542.	7.3	17.23
463	543.	7.18	17.22
464	544.	7.13	17.19
465	545.	7.17	17.06
466	546.	6.98	16.91
467	547.	6.53	16.75
468	548.	6.43	16.74

469	549.	6.33	16.08
470	550.	6.28	15.78
471	551.	6.45	15.75
472	552.	6.33	17.09
473	553.	6.15	17.13
474	554.	6.2	17.08
475	555.	6.5	17.01
476	556.	5.	16.85
477	557.		
478	558.		
479	559.		
480	560.		
481	565.		
	570.		
	575.		
	580.		
	585.		
	590.		
	595.		
	600.		
482	700.		
	800.		
	900.		
	1000.		
	1200.		
483	1400.		
	1600.		
	1800.		
	2000.		
	2200.		
	2400.		
484	2600.		
	2800.		
	3000.		
	3200.		
	3400.		
	3600.		
485	3800.		
	4000.		
	4200.		
	4400.		
	4600.		
	4800.		
486	5000.		
	5200.		
	5400.		
	5600.		
	5800.		
	6000.		
487	6200.		
	6400.		
	6600.		
	6800.		
	7000.		
	7200.		

FIGURE 9
Model (H4) > Transient Thermal (H5) > Heat Flux

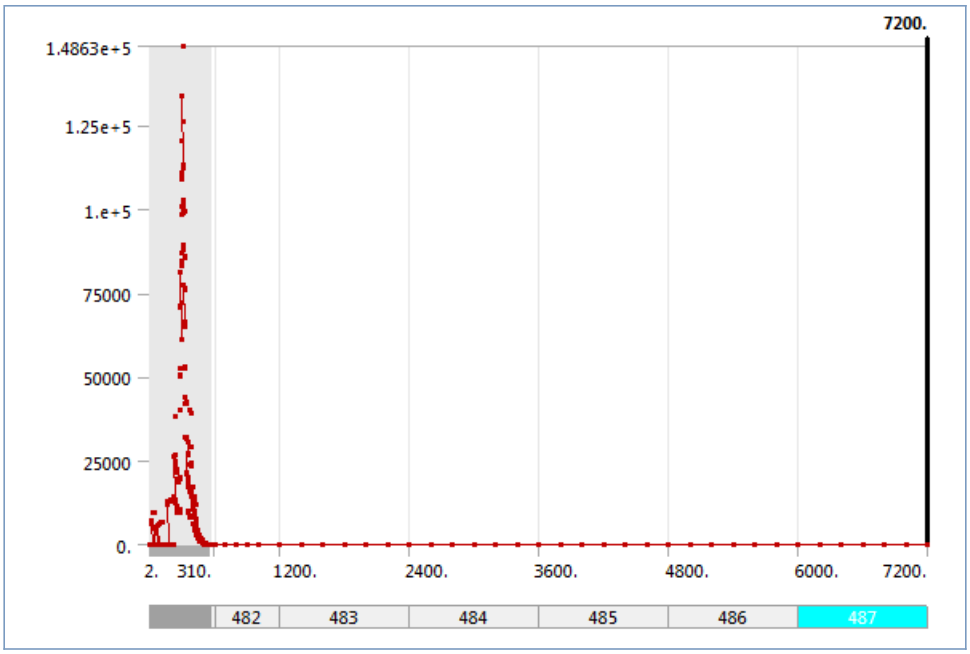


TABLE 21
Model (H4) > Transient Thermal (H5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	7391.7
9	18.	7263.8
10	20.	0.
11	22.	6193.3
12	24.	0.3
13	26.	0.
14	28.	5067.3
15	30.	4901.8
16	32.	9555.9
17	34.	4651.7
18	36.	0.3
19	38.	4593.3
20	40.	4801.1
21	42.	9343.1
22	44.	0.3
23	46.	0.
24	48.	4987.7
25	50.	0.3
26	52.	5167.8
27	54.	0.
28	56.	5273.7
29	58.	5282.1
30	60.	5281.5
31	62.	0.
32	64.	0.3
33	66.	5299.3
34	68.	0.
35	70.	
36	72.	
37	74.	0.3

38	76.	5700.4
39	78.	5758.2
40	80.	5803.1
41	82.	0.
42	84.	0.3
43	86.	0.
44	88.	
45	90.	
46	92.	
47	94.	6249.3
48	96.	0.
49	98.	
50	100.	
51	102.	0.3
52	104.	6679.5
53	106.	0.
54	108.	
55	110.	0.3
56	112.	0.
57	114.	
58	116.	6680.2
59	118.	0.
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	
67	134.	
68	136.	
69	138.	
70	140.	
71	142.	
72	144.	
73	146.	
74	148.	
75	150.	
76	151.	
	152.	
77	153.	
	154.	
78	155.	
	156.	
79	157.	
	158.	11947
80	159.	0.
	160.	
81	161.	0.3
82	162.	0.
83	163.	
84	164.	
85	165.	
86	166.	
87	167.	
88	168.	0.3
89	169.	0.
90	170.	12895
91	171.	0.
92	172.	
93	173.	
94	174.	
95	175.	
96	176.	12947
97	177.	
98	178.	

99	179.	0.
100	180.	
101	181.	12927
102	182.	0.
103	183.	
104	184.	
105	185.	
106	186.	
107	187.	
108	188.	
109	189.	12942
110	190.	0.
111	191.	
112	192.	
113	193.	
114	194.	
115	195.	
116	196.	
117	197.	
118	198.	
119	199.	13234
120	200.	13274
121	201.	13270
122	202.	13294
123	203.	0.
124	204.	
125	205.	
126	206.	
127	207.	
128	208.	13493
129	209.	13457
130	210.	0.
131	211.	13392
132	212.	13393
133	213.	13441
134	214.	13442
135	215.	13973
136	216.	13971
137	217.	13370
138	218.	13935
139	219.	13971
140	220.	0.3
141	221.	14060
142	222.	14119
143	223.	13528
144	224.	13486
145	225.	14003
146	226.	13906
147	227.	26520
148	228.	26422
149	229.	26273
150	230.	13597
151	231.	13484
152	232.	26829
153	233.	13335
154	234.	38047
155	235.	13128
156	236.	25027
157	237.	24911
158	238.	24670
159	239.	12752
160	240.	12640
161	241.	23902
162	242.	23519
163	243.	23260
164	244.	22995

165	245.	22610
166	246.	11556
167	247.	11359
168	248.	21363
169	249.	10485
170	250.	10309
171	251.	10145
172	252.	10465
173	253.	10317
174	254.	10200
175	255.	19380
176	256.	9620.1
177	257.	9987.
178	258.	9964.8
179	259.	19059
180	260.	19032
181	261.	18985
182	262.	9867.1
183	263.	18913
184	264.	9451.8
185	265.	9842.2
186	266.	9871.3
187	267.	9832.6
188	268.	18790
189	269.	18778
190	270.	18782
191	271.	9417.3
192	272.	18959
193	273.	9567.8
194	274.	19276
195	275.	19427
196	276.	9786.5
197	277.	9893.5
198	278.	10401
199	279.	20066
200	280.	40237
201	281.	50235
202	282.	52499
203	283.	50568
204	284.	70951
205	285.	71090
206	286.	71025
207	287.	70993
208	288.	81188
209	289.	61152
210	290.	71942
211	291.	83216
212	292.	84142
213	293.	84720
214	294.	1.0062e+005
215	295.	87003
216	296.	1.0914e+005
217	297.	98535
218	298.	1.2046e+005
219	299.	98324
220	300.	1.0992e+005
221	301.	1.1088e+005
222	302.	1.3368e+005
223	303.	1.3402e+005
224	304.	1.1215e+005
225	305.	1.1335e+005
226	306.	1.4863e+005
227	307.	1.2611e+005
228	308.	1.0269e+005
229	309.	1.1313e+005
230	310.	1.0122e+005

	311.	1.1231e+005
232	312.	1.0081e+005
233	313.	89475
234	314.	1.0019e+005
235	315.	77199
236	316.	87995
237	317.	99104
238	318.	77479
239	319.	66556
240	320.	99240
241	321.	76520
242	322.	76082
243	323.	64920
244	324.	85977
245	325.	85439
246	326.	53040
247	327.	52855
248	328.	52581
249	329.	43905
250	330.	42214
251	331.	31801
252	332.	42282
253	333.	42179
254	334.	42014
255	335.	41894
256	336.	41890
257	337.	42105
258	338.	31655
259	339.	42451
260	340.	31912
261	341.	32066
262	342.	21442
263	343.	32100
264	344.	32075
265	345.	21324
266	346.	31887
267	347.	21058
268	348.	21589
269	349.	30585
270	350.	20136
271	351.	19967
272	352.	19802
273	353.	10172
274	354.	19208
275	355.	19002
276	356.	9790.2
277	357.	18451
278	358.	27344
279	359.	9377.1
280	360.	26640
281	361.	17493
282	362.	17112
283	363.	16845
284	364.	16671
285	365.	16474
286	366.	16232
287	367.	40031
288	368.	15932
289	369.	23948
290	370.	16073
291	371.	16086
292	372.	8332.5
293	373.	23981
294	374.	7988.6
295	375.	16015
296	376.	16131

	377.	8483.2
298	378.	8505.8
299	379.	24516
300	380.	16362
301	381.	16407
302	382.	16420
303	383.	24380
304	384.	24065
305	385.	15876
306	386.	39242
307	387.	23208
308	388.	15860
309	389.	14939
310	390.	29385
311	391.	14485
312	392.	14221
313	393.	13953
314	394.	13744
315	395.	13555
316	396.	13947
317	397.	13122
318	398.	12778
319	399.	12399
320	400.	12070
321	401.	6146.8
322	402.	17311
323	403.	11319
324	404.	11042
325	405.	10782
326	406.	10583
327	407.	10383
328	408.	10152
329	409.	9938.5
330	410.	9790.2
331	411.	9672.4
332	412.	14429
333	413.	9526.5
334	414.	4696.9
335	415.	4813.1
336	416.	4541.
337	417.	13365
338	418.	13164
339	419.	4323.6
340	420.	8453.9
341	421.	4312.8
342	422.	8110.8
343	423.	3980.4
344	424.	11734
345	425.	7662.3
346	426.	3904.5
347	427.	7309.5
348	428.	3571.3
349	429.	6986.4
350	430.	3392.3
351	431.	6571.2
352	432.	6411.8
353	433.	6242.5
354	434.	6100.5
355	435.	2946.5
356	436.	2977.
357	437.	5510.8
358	438.	2766.8
359	439.	3384.8
360	440.	2557.
361	441.	2391.5
362	442.	2325.6

	443.	2274.3
364	444.	2207.7
365	445.	2138.5
366	446.	4122.9
367	447.	3998.
368	448.	3860.3
369	449.	1948.9
370	450.	1888.9
371	451.	1827.7
372	452.	1695.2
373	453.	1655.4
374	454.	1605.9
375	455.	1612.
376	456.	1490.4
377	457.	2899.9
378	458.	1455.1
379	459.	2679.9
380	460.	1303.
381	461.	2507.1
382	462.	1202.4
383	463.	1210.5
384	464.	2274.5
385	465.	2208.9
386	466.	1118.5
387	467.	1081.6
388	468.	1996.8
389	469.	1925.
390	470.	967.6
391	471.	1783.3
392	472.	858.3
393	473.	826.9
394	474.	831.8
395	475.	766.1
396	476.	744.2
397	477.	724.6
398	478.	1409.7
399	479.	720.7
400	480.	1351.5
401	481.	1317.7
402	482.	642.2
403	483.	1239.7
404	484.	631.5
405	485.	591.6
406	486.	607.1
407	487.	562.1
408	488.	377.5
409	489.	530.3
410	490.	518.7
411	491.	527.4
412	492.	489.3
413	493.	1411.4
414	494.	474.5
415	495.	441.8
416	496.	428.9
417	497.	0.
418	498.	414.8
419	499.	404.4
420	500.	393.
421	501.	386.7
422	502.	0.3
423	503.	256.8
424	504.	357.8
425	505.	344.6
426	506.	223.9
427	507.	218.8
428	508.	320.2

	509.	327.6
430	510.	311.8
431	511.	317.9
432	512.	297.
433	513.	191.
434	514.	186.3
435	515.	184.
436	516.	268.7
437	517.	0.
438	518.	263.8
439	519.	171.5
440	520.	254.3
441	521.	167.2
442	522.	166.8
443	523.	0.
444	524.	247.9
445	525.	232.2
446	526.	230.7
447	527.	0.
448	528.	149.8
449	529.	0.
450	530.	218.6
451	531.	0.
452	532.	204.7
453	533.	130.7
454	534.	0.
455	535.	
456	536.	
457	537.	126.4
458	538.	0.
459	539.	121.4
460	540.	121.7
461	541.	0.3
462	542.	0.
463	543.	163.7
464	544.	0.3
465	545.	0.
466	546.	108.3
467	547.	0.3
468	548.	0.
469	549.	
470	550.	94.7
471	551.	0.
472	552.	0.3
473	553.	
474	554.	
475	555.	
476	556.	
477	557.	
478	558.	
479	559.	
480	560.	
481	565.	
	570.	
	575.	
	580.	
	585.	
	590.	
	595.	
	600.	
482	700.	
	800.	
	900.	
	1000.	
	1200.	
	1400.	

483	1600.	
	1800.	
	2000.	
	2200.	
	2400.	
484	2600.	
	2800.	
	3000.	
	3200.	
	3400.	
	3600.	
485	3800.	
	4000.	
	4200.	
	4400.	0.
	4600.	
	4800.	
486	5000.	
	5200.	
	5400.	
	5600.	
	5800.	
	6000.	
487	6200.	
	6400.	
	6600.	
	6800.	
	7000.	
	7200.	

FIGURE 10
Model (H4) > Transient Thermal (H5) > Radiation

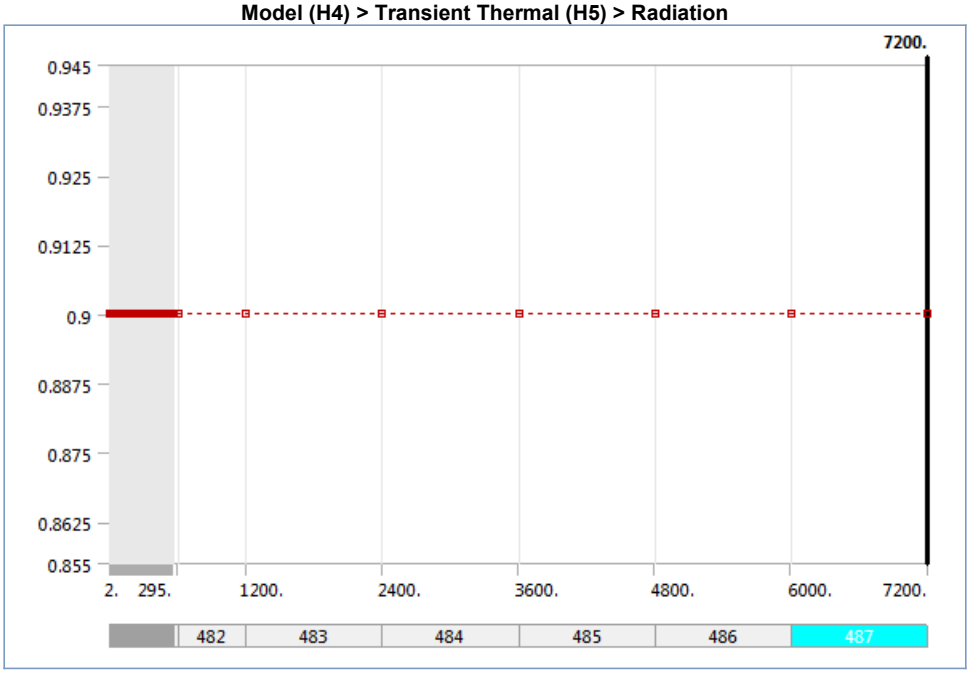


FIGURE 11
Model (H4) > Transient Thermal (H5) > Radiation 8

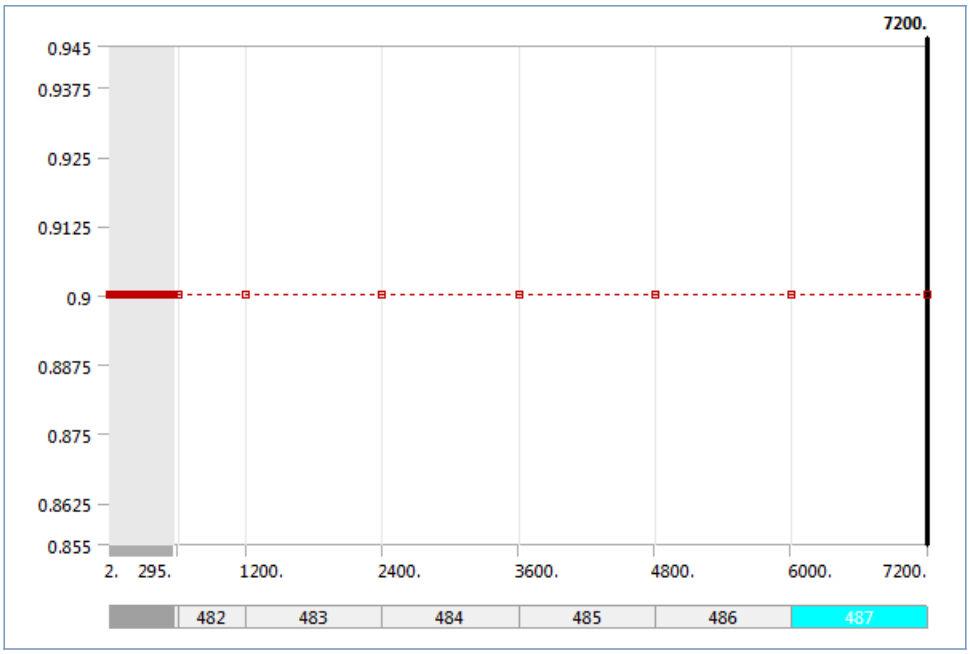


TABLE 22
Model (H4) > Transient Thermal (H5) > Loads

Object Name	*Radiation 9*	*Radiation 10*	*Radiation 11*	*Radiation 12*	*Radiation 13*
State	Fully Defined				
Scope					
Scoping Method	Geometry Selection				
Geometry	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges
Definition					
Type	Radiation				
Correlation	Surface to Surface				To Ambient
Emissivity	0.9 (step applied)				1. (step applied)
Enclosure	2.				
Enclosure Type	Perfect				
Suppressed	No				
Ambient Temperature					16.85 °C (step applied)

FIGURE 12
Model (H4) > Transient Thermal (H5) > Radiation 9

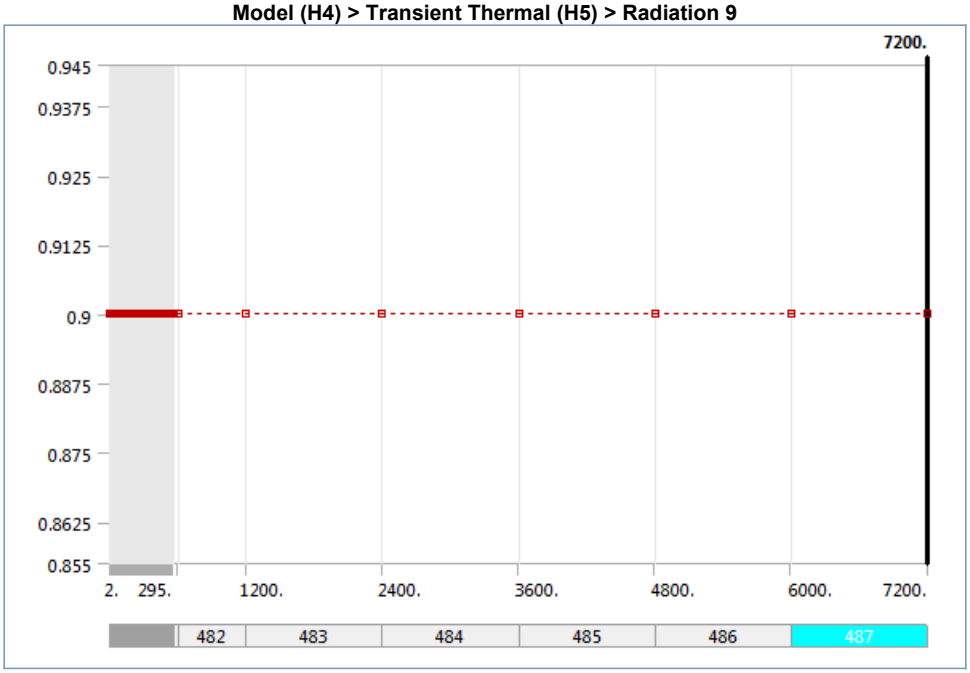


FIGURE 13
Model (H4) > Transient Thermal (H5) > Radiation 10

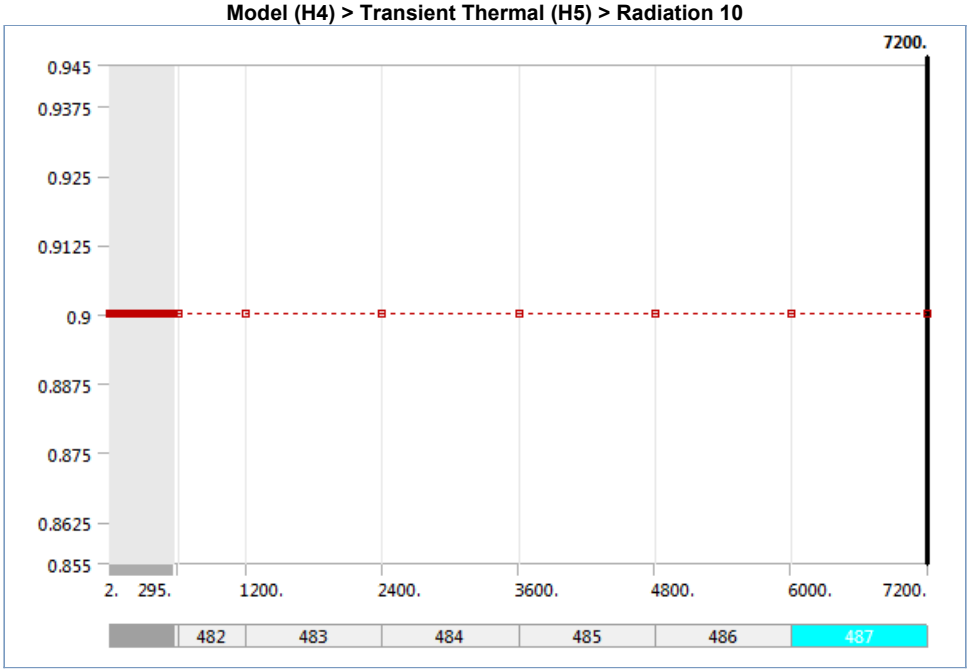


FIGURE 14
Model (H4) > Transient Thermal (H5) > Radiation 11

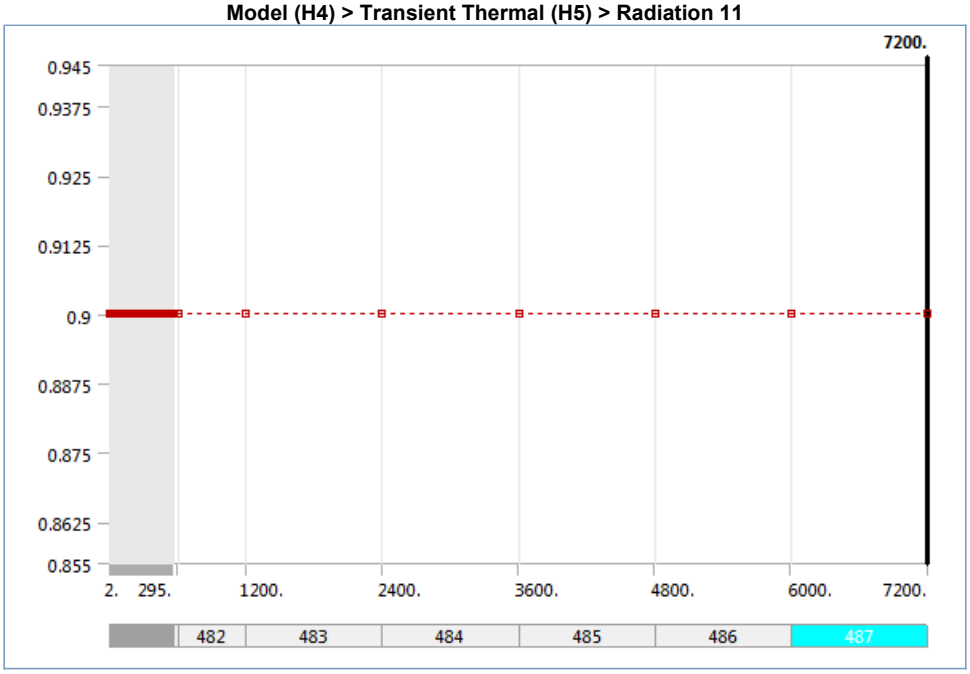


FIGURE 15
Model (H4) > Transient Thermal (H5) > Radiation 12

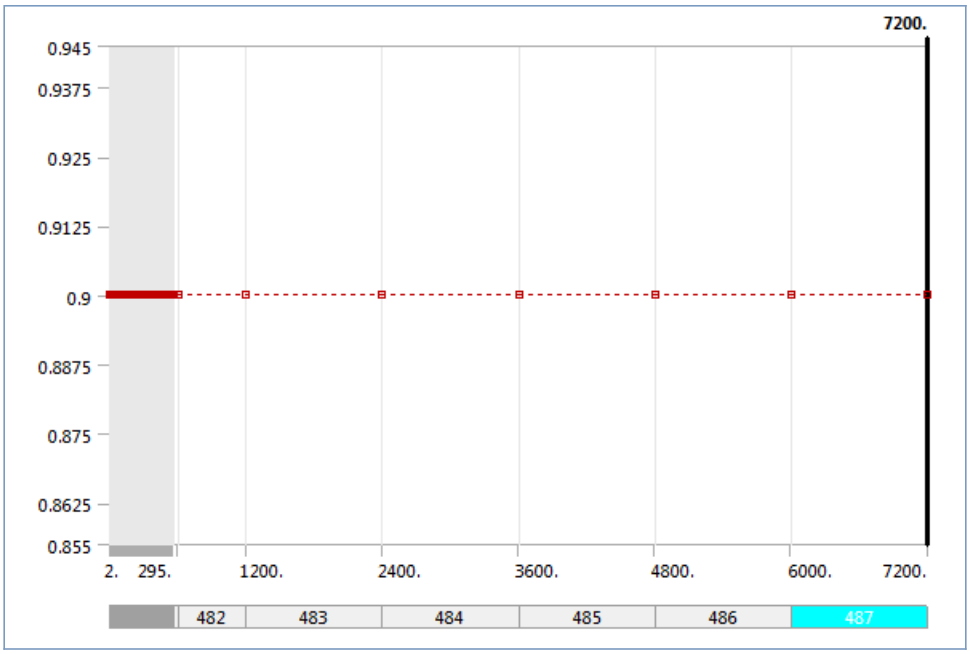
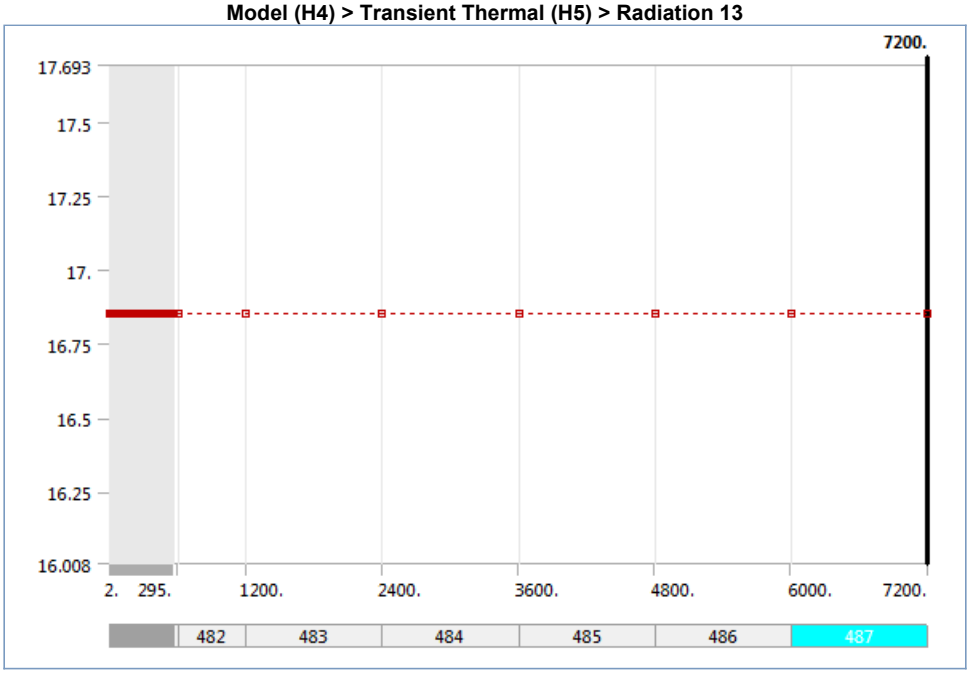


FIGURE 16
Model (H4) > Transient Thermal (H5) > Radiation 13



Solution (H6)

TABLE 23
Model (H4) > Transient Thermal (H5) > Solution

Object Name	*Solution (H6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	29 m 41 s
MAPDL Memory Used	2.5439 GB
MAPDL Result File Size	4.8585 GB
Post Processing	

Calculate Beam Section Results	No

TABLE 24
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 25
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	24.01 °C	-5.5622 °C
Maximum	477.29 °C	16.85 °C

FIGURE 17
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information > Temperature - Global Maximum

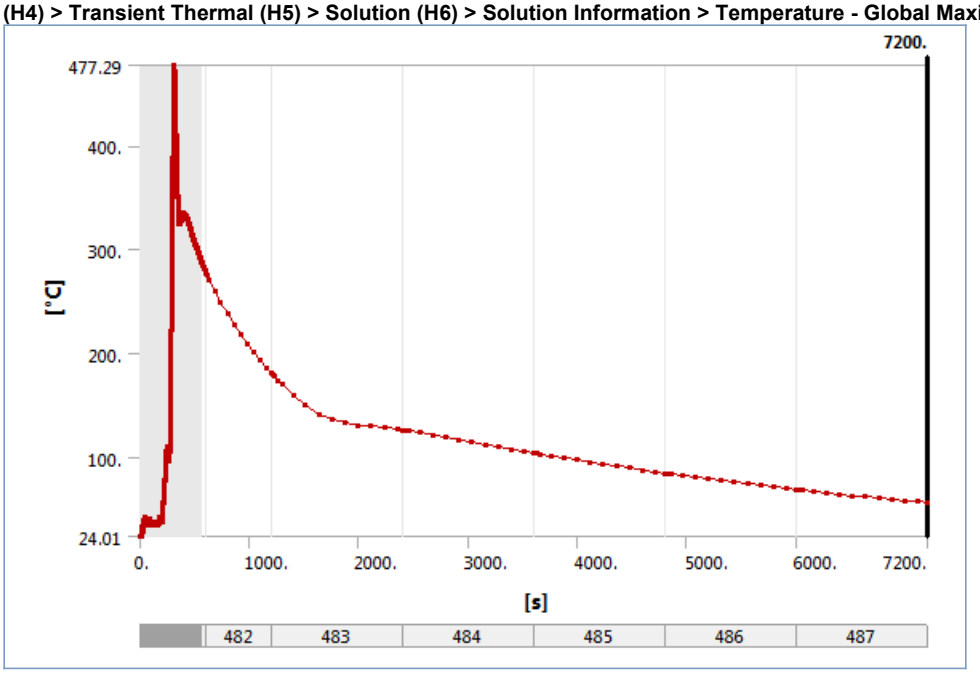


FIGURE 18
Model (H4) > Transient Thermal (H5) > Solution (H6) > Solution Information > Temperature - Global Minimum

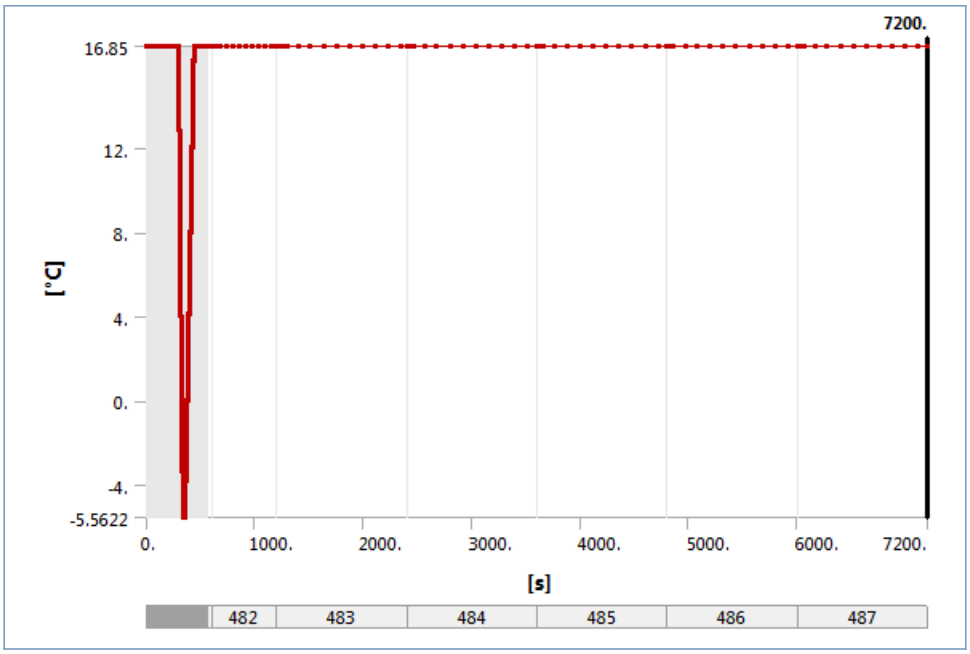


TABLE 26
Model (H4) > Transient Thermal (H5) > Solution (H6) > Results

Object Name	*Overall T*	*Drum Content T*	*Drum T*	*SWB T*	*Permacon T*
State	Solved				
Scope					
Scoping Method	Geometry Selection				
Geometry	All Bodies	1 Face	6 Faces	5 Faces	4 Faces
Definition					
Type	Temperature				
By	Time				
Display Time	2548. s	Last			
Calculate Time History	Yes				
Identifier					
Suppressed	No				
Results					
Minimum	22.25 °C	23.912 °C	28.959 °C	33.995 °C	21.63 °C
Maximum	123.83 °C	41.127 °C	54.175 °C	47.963 °C	35.292 °C
Minimum Occurs On	Surface Body				
Maximum Occurs On	Surface Body				
Minimum Value Over Time					
Minimum	-5.5622 °C	23.884 °C	23.89 °C		21.594 °C
Maximum	22.25 °C	23.912 °C	29.153 °C	46.134 °C	56.101 °C
Maximum Value Over Time					
Minimum	24.01 °C	23.89 °C			23.985 °C
Maximum	477.29 °C	61.146 °C	131.11 °C	144.77 °C	477.29 °C
Information					
Time	2548. s	7200. s			
Load Step	484	487			
Substep	4	13			
Iteration Number	6346	6434			

FIGURE 19
Model (H4) > Transient Thermal (H5) > Solution (H6) > Overall T

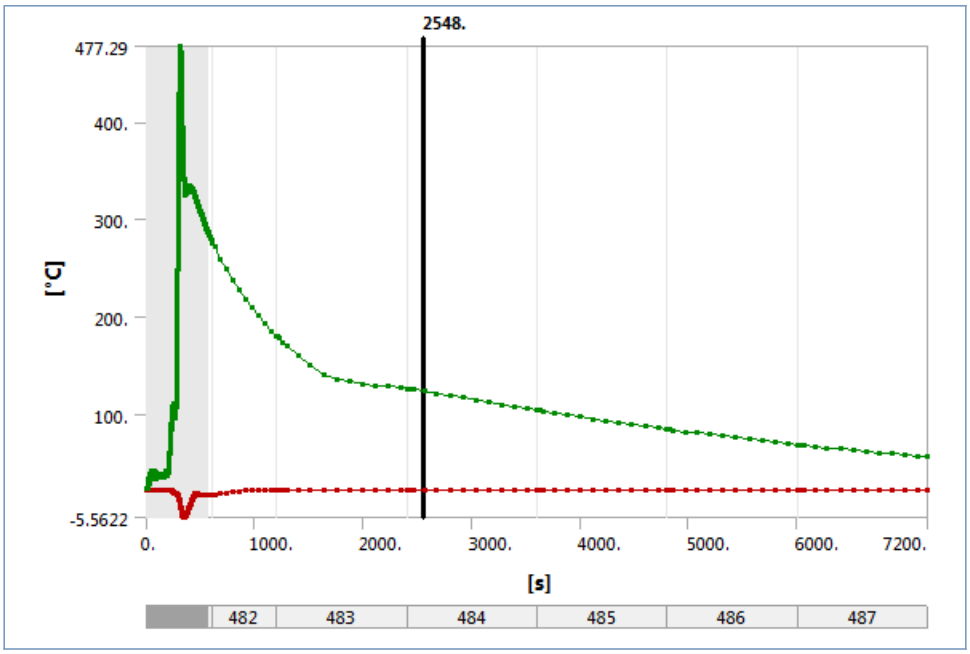


TABLE 27
Model (H4) > Transient Thermal (H5) > Solution (H6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		24.13
0.1		
0.28		24.128
0.48		24.125
0.68		24.123
0.88		24.122
1.08		24.12
1.28		24.118
1.48		24.117
1.68		24.115
1.88		24.114
2.		
2.02		24.112
2.04		
2.1		
2.28		24.11
2.48		24.108
2.68		24.107
2.88		24.105
3.08		24.103
3.28		24.101
3.48		24.1
3.68		24.098
3.88		24.096
4.		
4.02		24.095
4.04		
4.1		24.094
4.28		24.093
4.48		24.091
4.68		24.089
4.88		24.088
5.08		24.086
5.28		24.084
5.48		24.083
5.68		24.081
5.88		24.079

6.	
6.02	24.078
6.04	
6.1	24.077
6.28	24.076
6.48	24.074
6.68	24.072
6.88	24.071
7.08	24.069
7.28	24.067
7.48	24.066
7.68	24.064
7.88	24.062
8.	
8.02	24.061
8.04	
8.1	24.06
8.28	24.059
8.48	24.057
8.68	24.055
8.88	24.054
9.08	24.052
9.28	24.05
9.48	24.049
9.68	24.047
9.88	24.045
10.	
10.02	24.044
10.04	
10.1	
10.28	24.042
10.48	24.04
10.68	24.039
10.88	24.037
11.08	24.036
11.28	24.034
11.48	24.032
11.68	24.031
11.88	24.029
12.	
12.02	24.028
12.04	
12.1	24.027
12.28	24.026
12.48	24.024
12.68	24.022
12.88	24.021
13.08	24.019
13.28	24.018
13.48	24.016
13.68	24.014
13.88	24.013
14.	24.012
14.02	
14.04	24.011
14.1	
14.22	24.01
14.33	24.077
14.441	24.242
14.641	24.623
14.841	25.077
15.041	25.607
15.241	26.191
15.441	26.825
15.641	27.504
15.841	28.226

16.	28.827
16.02	28.9
16.04	28.971
16.1	29.169
16.28	29.682
16.48	30.185
16.68	30.641
16.88	31.061
17.08	31.452
17.28	31.819
17.48	32.165
17.68	32.493
17.88	32.806
18.	32.988
18.02	33.016
18.04	33.041
18.1	33.098
18.28	33.152
18.48	33.105
18.68	32.97
18.88	32.762
19.08	32.487
19.28	32.153
19.48	31.765
19.68	31.326
19.87	30.867
20.	30.534
20.02	30.487
20.04	30.444
20.1	30.345
20.28	30.213
20.48	30.209
20.68	30.313
20.88	30.503
21.08	30.767
21.28	31.095
21.48	31.479
21.68	31.915
21.88	32.397
22.	32.703
22.02	32.75
22.04	32.793
22.1	32.895
22.28	33.052
22.48	33.095
22.68	33.04
22.88	32.905
23.08	32.701
23.28	32.438
23.48	32.122
23.68	31.757
23.861	31.39
24.	31.089
24.02	31.047
24.04	31.007
24.1	30.899
24.28	30.636
24.48	30.391
24.68	30.179
24.88	29.992
25.08	29.823
25.28	29.671
25.48	29.53
25.68	29.401
25.88	29.281
26.	29.212

	29.202
26.04	29.194
26.1	29.184
26.224	29.204
26.424	29.316
26.615	29.48
26.805	29.693
27.005	29.963
27.205	30.276
27.405	30.627
27.605	31.012
27.805	31.431
28.	31.868
28.02	31.911
28.04	31.953
28.1	32.068
28.28	32.359
28.48	32.638
28.68	32.886
28.88	33.11
29.08	33.316
29.28	33.507
29.48	33.684
29.68	33.851
29.88	34.008
30.	34.099
30.02	34.116
30.04	34.134
30.1	34.2
30.28	34.464
30.48	34.816
30.68	35.214
30.88	35.651
31.08	36.121
31.28	36.622
31.48	37.15
31.68	37.703
31.88	38.281
32.	38.635
32.02	38.691
32.04	38.744
32.1	38.881
32.28	39.168
32.48	39.377
32.68	39.503
32.88	39.56
33.08	39.557
33.28	39.503
33.48	39.402
33.68	39.259
33.88	39.077
34.	38.954
34.02	38.934
34.04	38.913
34.1	38.847
34.28	38.627
34.48	38.355
34.68	38.055
34.88	37.73
35.08	37.379
35.28	37.005
35.48	36.608
35.68	36.188
35.88	35.747
36.	35.475
36.02	35.432

	35.393
36.1	35.296
36.28	35.126
36.48	35.042
36.68	35.039
36.88	35.102
37.08	35.221
37.28	35.39
37.48	35.603
37.68	35.856
37.88	36.146
38.	36.332
38.02	36.362
38.04	36.39
38.1	36.468
38.28	36.663
38.48	36.849
38.68	37.016
38.88	37.169
39.08	37.311
39.28	37.445
39.48	37.573
39.68	37.695
39.88	37.814
40.	37.884
40.02	37.897
40.04	37.911
40.1	37.965
40.28	38.19
40.48	38.496
40.68	38.846
40.88	39.234
41.08	39.656
41.28	40.108
41.48	40.587
41.68	41.092
41.88	41.621
42.	41.947
42.02	41.996
42.04	42.041
42.1	42.144
42.28	42.264
42.48	42.231
42.68	42.067
42.88	41.794
43.08	41.428
43.28	40.979
43.48	40.455
43.68	39.863
43.872	39.234
44.	38.792
44.02	38.726
44.04	38.662
44.1	38.488
44.28	38.06
44.48	37.659
44.68	37.308
44.88	36.996
45.08	36.714
45.28	36.457
45.48	36.219
45.68	35.998
45.88	35.792
46.	35.673
46.02	35.655
46.04	35.639

	35.604
46.28	35.583
46.48	35.636
46.68	35.751
46.88	35.92
47.08	36.135
47.28	36.393
47.48	36.69
47.68	37.023
47.88	37.389
48.	37.62
48.02	37.655
48.04	37.687
48.1	37.762
48.28	37.862
48.48	37.867
48.68	37.79
48.88	37.648
49.08	37.45
49.28	37.203
49.48	36.912
49.68	36.582
49.88	36.216
50.	35.985
50.02	35.949
50.04	35.917
50.1	35.843
50.28	35.745
50.48	35.744
50.68	35.826
50.88	35.975
51.08	36.181
51.28	36.437
51.48	36.737
51.68	37.078
51.88	37.456
52.	37.696
52.02	37.732
52.04	37.766
52.1	37.843
52.28	37.949
52.48	37.957
52.68	37.882
52.88	37.74
53.08	37.54
53.28	37.29
53.48	36.995
53.68	36.66
53.877	36.294
54.	36.051
54.02	36.015
54.04	35.983
54.1	35.907
54.28	35.809
54.48	35.817
54.68	35.92
54.88	36.084
55.08	36.298
55.28	36.555
55.48	36.852
55.68	37.198
55.88	37.589
56.	37.836
56.02	37.875
56.04	37.914
56.1	38.018

	38.281
56.48	38.533
56.68	38.757
56.88	38.96
57.08	39.147
57.28	39.321
57.48	39.484
57.68	39.638
57.88	39.785
58.	39.87
58.02	39.884
58.04	39.898
58.1	39.94
58.28	40.06
58.48	40.189
58.68	40.312
58.88	40.432
59.08	40.547
59.28	40.66
59.48	40.769
59.68	40.875
59.88	40.979
60.	41.04
60.02	41.048
60.04	41.055
60.1	41.061
60.28	41.
60.48	40.858
60.68	40.657
60.88	40.406
61.08	40.111
61.28	39.776
61.48	39.405
61.68	39.
61.88	38.563
62.	38.29
62.02	38.246
62.04	38.204
62.1	38.087
62.28	37.793
62.48	37.51
62.68	37.259
62.88	37.057
63.08	36.881
63.28	36.719
63.48	36.567
63.68	36.424
63.88	36.288
64.	36.21
64.02	36.199
64.04	36.19
64.1	36.175
64.28	36.213
64.48	36.325
64.68	36.495
64.88	36.711
65.08	36.968
65.28	37.262
65.48	37.59
65.68	37.949
65.88	38.338
66.	38.581
66.02	38.618
66.04	38.652
66.1	38.73
66.28	38.835

	38.844
66.68	38.779
66.88	38.653
67.08	38.466
67.28	38.229
67.48	37.96
67.68	37.655
67.864	37.346
68.	37.103
68.02	37.069
68.04	37.036
68.1	36.948
68.28	36.736
68.48	36.539
68.68	36.367
68.88	36.213
69.08	36.073
69.28	35.943
69.48	35.822
69.68	35.708
69.88	35.6
70.	35.537
70.02	35.526
70.04	35.516
70.1	35.485
70.28	35.397
70.48	35.303
70.68	35.213
70.88	35.126
71.08	35.042
71.28	34.96
71.48	34.882
71.68	34.806
71.88	34.732
72.	34.688
72.02	34.681
72.04	34.673
72.1	34.652
72.28	34.589
72.48	34.521
72.68	34.454
72.88	34.389
73.08	34.326
73.28	34.264
73.48	34.203
73.68	34.144
73.88	34.086
74.	34.051
74.02	34.047
74.04	34.046
74.1	34.054
74.22	34.112
74.42	34.286
74.603	34.496
74.787	34.748
74.987	35.067
75.187	35.423
75.387	35.814
75.587	36.237
75.787	36.69
75.893	36.94
76.	37.197
76.02	37.244
76.04	37.289
76.1	37.413
76.28	37.725

	38.026
76.68	38.297
76.88	38.546
77.08	38.777
77.28	38.995
77.48	39.202
77.68	39.408
77.88	39.621
78.	39.746
78.02	39.767
78.04	39.787
78.1	39.848
78.28	40.024
78.48	40.212
78.68	40.394
78.88	40.57
79.08	40.741
79.28	40.906
79.48	41.068
79.68	41.225
79.88	41.378
80.	41.469
80.02	41.482
80.04	41.493
80.1	41.511
80.28	41.476
80.48	41.355
80.68	41.169
80.88	40.926
81.08	40.633
81.28	40.296
81.48	39.918
81.68	39.502
81.88	39.051
82.	38.768
82.02	38.722
82.04	38.679
82.1	38.558
82.28	38.286
82.48	38.044
82.68	37.832
82.88	37.643
83.08	37.471
83.28	37.313
83.48	37.166
83.68	37.028
83.88	36.899
84.	36.824
84.02	36.812
84.04	36.8
84.1	36.763
84.28	36.659
84.48	36.549
84.68	36.444
84.88	36.344
85.08	36.248
85.28	36.155
85.48	36.066
85.68	35.981
85.88	35.898
86.	35.849
86.02	35.841
86.04	35.833
86.1	35.809
86.28	35.74
86.48	35.665

	35.592
86.88	35.521
87.08	35.452
87.28	35.386
87.48	35.32
87.68	35.257
87.88	35.195
88.	35.158
88.02	35.152
88.04	35.146
88.1	35.128
88.28	35.074
88.48	35.016
88.68	34.96
88.88	34.904
89.08	34.85
89.28	34.796
89.48	34.744
89.68	34.692
89.88	34.642
90.	34.612
90.02	34.607
90.04	34.602
90.1	34.587
90.28	34.543
90.48	34.495
90.68	34.447
90.88	34.429
91.08	34.424
91.28	34.42
91.48	34.415
91.68	34.41
91.88	34.405
92.	34.402
92.02	
92.04	34.401
92.1	34.4
92.22	34.422
92.42	34.479
92.602	34.697
92.784	34.987
92.984	35.353
93.184	35.761
93.384	36.206
93.584	36.686
93.784	37.198
93.892	37.484
94.	37.778
94.02	37.829
94.04	37.875
94.1	37.987
94.28	38.167
94.48	38.239
94.68	38.216
94.88	38.118
95.08	37.956
95.28	37.739
95.48	37.474
95.68	37.164
95.834	36.901
95.917	36.752
96.	36.596
96.02	36.561
96.04	36.527
96.1	36.437
96.28	36.228

96.48	36.04
96.68	35.881
96.88	35.741
97.08	35.617
97.28	35.504
97.48	35.401
97.68	35.304
97.88	35.214
98.	35.163
98.02	35.154
98.04	35.145
98.1	35.12
98.28	35.049
98.48	34.973
98.68	34.956
98.88	34.95
99.08	34.945
99.28	34.94
99.48	34.935
99.68	34.93
99.88	34.925
100.	34.922
100.02	34.921
100.04	
100.1	34.919
100.28	34.915
100.48	34.91
100.68	34.905
100.88	34.901
101.08	34.896
101.28	34.892
101.48	34.887
101.68	34.882
101.88	34.878
102.	34.875
102.02	
102.04	34.874
102.09	34.873
102.2	34.892
102.4	34.951
102.57	35.012
102.74	35.083
102.94	35.241
103.14	35.672
103.34	36.145
103.54	36.655
103.74	37.201
103.87	37.574
104.	37.96
104.02	38.014
104.04	38.065
104.1	38.186
104.28	38.384
104.48	38.467
104.68	38.449
104.88	38.35
105.08	38.183
105.28	37.958
105.48	37.681
105.68	37.356
105.83	37.08
105.92	36.923
106.	36.759
106.02	36.722
106.04	36.686
106.1	36.592

106.28	36.374
106.48	36.179
106.68	36.015
106.88	35.872
107.08	35.745
107.28	35.63
107.48	35.525
107.68	35.512
107.88	35.506
108.	35.503
108.02	35.502
108.04	
108.1	35.5
108.28	35.495
108.48	35.49
108.68	35.485
108.88	35.479
109.08	35.474
109.28	35.469
109.48	35.464
109.68	35.459
109.88	35.455
110.	35.452
110.02	35.451
110.04	
110.1	35.449
110.28	35.445
110.48	35.44
110.68	35.436
110.88	35.431
111.08	35.427
111.28	35.422
111.48	35.418
111.68	35.413
111.88	35.409
112.	35.406
112.02	
112.04	35.405
112.1	35.404
112.28	35.4
112.48	35.396
112.68	35.392
112.88	35.388
113.08	35.383
113.28	35.379
113.48	35.375
113.68	35.371
113.88	35.367
114.	35.365
114.02	35.364
114.04	
114.08	35.363
114.16	35.372
114.33	35.417
114.47	35.463
114.61	35.515
114.81	35.603
115.01	35.702
115.21	35.81
115.41	36.155
115.61	36.685
115.81	37.25
116.	37.818
116.02	37.873
116.04	37.924
116.1	38.047

116.28	38.25
116.48	38.339
116.68	38.325
116.88	38.231
117.08	38.07
117.28	37.849
117.48	37.576
117.68	37.256
117.83	36.987
117.92	36.83
118.	36.666
118.02	36.629
118.04	36.594
118.1	36.501
118.28	36.287
118.48	36.096
118.68	36.054
118.88	36.041
119.08	36.032
119.28	36.023
119.48	36.016
119.68	36.009
119.88	36.004
120.	36.001
120.02	36.
120.04	35.999
120.1	35.998
120.28	35.993
120.48	35.988
120.68	35.983
120.88	35.978
121.08	35.974
121.28	35.969
121.48	35.965
121.68	35.96
121.88	35.956
122.	35.954
122.02	35.953
122.04	
122.1	35.951
122.28	35.948
122.48	35.944
122.68	35.94
122.88	35.936
123.08	35.932
123.28	35.928
123.48	35.924
123.68	35.92
123.88	35.916
124.	35.914
124.02	
124.04	35.913
124.1	35.912
124.28	35.909
124.48	35.905
124.68	35.902
124.88	35.898
125.08	35.894
125.28	35.891
125.48	35.887
125.68	35.884
125.88	35.88
126.	35.878
126.02	
126.04	
126.1	35.877

126.28	35.874
126.48	35.87
126.68	35.867
126.88	35.864
127.08	35.86
127.28	35.857
127.48	35.854
127.68	35.851
127.88	35.848
128.	35.846
128.02	35.845
128.04	
128.1	35.844
128.28	35.841
128.48	35.838
128.68	35.835
128.88	35.832
129.08	35.829
129.28	35.826
129.48	35.823
129.68	35.82
129.88	35.817
130.	35.815
130.02	
130.04	
130.1	35.814
130.28	35.811
130.48	35.808
130.68	35.806
130.88	35.803
131.08	35.8
131.28	35.797
131.48	35.794
131.68	35.792
131.88	35.789
132.	35.787
132.02	
132.04	
132.1	35.786
132.28	35.783
132.48	35.781
132.68	35.778
132.88	35.775
133.08	35.772
133.28	35.77
133.48	35.767
133.68	35.765
133.88	35.762
134.	35.76
134.02	
134.04	
134.1	35.759
134.28	35.757
134.48	35.754
134.68	35.752
134.88	35.749
135.08	35.747
135.28	35.744
135.48	35.742
135.68	35.739
135.88	35.737
136.	35.735
136.02	
136.04	
136.1	35.734
136.28	35.732

136.48	35.729
136.68	35.727
136.88	35.724
137.08	35.722
137.28	35.719
137.48	35.717
137.68	35.715
137.88	35.712
138.	35.711
138.02	
138.04	35.71
138.1	
138.28	35.707
138.48	35.705
138.68	35.703
138.88	35.7
139.08	35.698
139.28	35.695
139.48	35.693
139.68	35.69
139.88	35.687
140.	35.686
140.02	
140.04	35.685
140.1	
140.28	35.682
140.48	35.68
140.68	35.677
140.88	35.674
141.08	35.671
141.28	35.669
141.48	35.666
141.68	35.663
141.88	35.661
142.	35.659
142.02	
142.04	
142.1	35.658
142.28	35.655
142.48	35.653
142.68	35.65
142.88	35.648
143.08	35.645
143.28	35.643
143.48	35.64
143.68	35.638
143.88	35.636
144.	35.634
144.02	
144.04	
144.1	35.633
144.28	35.631
144.48	35.629
144.68	35.627
144.88	35.625
145.08	35.623
145.28	35.62
145.48	35.618
145.68	35.616
145.88	35.614
146.	35.613
146.02	
146.04	35.612
146.1	
146.28	35.61
146.48	35.608

146.68	35.606
146.88	35.603
147.08	35.601
147.28	35.599
147.48	35.597
147.68	35.594
147.88	35.592
148.	35.59
148.02	
148.04	
148.1	35.589
148.28	35.587
148.48	35.584
148.68	35.582
148.88	35.58
149.08	35.577
149.28	35.575
149.48	35.572
149.68	35.57
149.88	35.567
150.	35.566
150.02	35.565
150.04	
150.1	35.564
150.28	35.562
150.48	35.56
150.68	35.557
150.88	35.555
151.08	35.552
151.28	35.55
151.48	35.547
151.68	35.545
151.88	35.542
152.	35.541
152.02	
152.04	35.54
152.1	
152.28	35.537
152.48	35.535
152.68	35.532
152.88	35.53
153.08	35.527
153.28	35.525
153.48	35.522
153.68	35.52
153.88	35.517
154.	35.516
154.02	35.515
154.04	
154.1	35.514
154.28	35.512
154.48	35.509
154.68	35.507
154.88	35.504
155.08	35.502
155.28	35.499
155.48	35.497
155.68	35.494
155.88	35.492
156.	35.49
156.02	
156.04	
156.1	35.489
156.28	35.487
156.48	35.484
156.68	35.481

156.88	35.479
157.08	35.511
157.18	35.576
157.27	35.662
157.37	35.763
157.55	36.013
157.75	36.325
157.88	36.533
158.	37.019
158.02	37.171
158.04	37.309
158.1	37.622
158.28	37.988
158.48	37.908
158.68	37.457
158.82	36.974
158.92	36.568
159.02	36.405
159.12	36.344
159.27	36.284
159.46	36.23
159.66	36.191
159.86	36.162
160.	36.147
160.01	36.146
160.02	36.145
160.05	36.143
160.14	36.135
160.24	36.128
160.34	36.123
160.44	36.118
160.54	36.113
160.64	36.109
160.74	36.106
160.84	36.103
160.94	36.101
161.	36.099
161.01	
161.02	
161.05	36.098
161.14	36.096
161.24	36.094
161.34	36.092
161.44	36.09
161.54	36.088
161.64	36.086
161.74	36.084
161.84	36.082
161.94	36.08
162.	36.078
162.01	
162.02	
162.05	36.077
162.14	36.075
162.24	36.073
162.34	36.071
162.44	36.069
162.54	36.067
162.64	36.065
162.74	36.063
162.84	36.061
162.94	36.059
163.	36.058
163.01	
163.02	36.057
163.05	

163.14	36.055
163.24	36.053
163.34	36.051
163.44	36.049
163.54	36.047
163.64	36.045
163.74	36.043
163.84	36.041
163.94	36.039
164.	36.038
164.01	
164.02	36.037
164.05	
164.14	36.035
164.24	36.033
164.34	36.031
164.44	36.029
164.54	36.027
164.64	36.025
164.74	36.023
164.84	36.022
164.94	36.02
165.	36.018
165.01	
165.02	
165.05	
165.14	36.016
165.24	36.014
165.34	36.012
165.44	36.01
165.54	36.008
165.64	36.006
165.74	36.005
165.84	36.003
165.94	36.001
166.	36.
166.01	35.999
166.02	
166.05	
166.14	35.997
166.24	35.995
166.34	35.993
166.44	35.992
166.54	35.99
166.64	35.988
166.74	35.986
166.84	35.984
166.94	35.982
167.	35.981
167.01	
167.02	
167.05	35.98
167.14	35.979
167.24	35.977
167.34	35.975
167.44	35.973
167.54	35.972
167.64	35.97
167.74	35.968
167.84	35.966
167.94	35.965
168.	35.964
168.01	35.963
168.02	
168.05	
168.14	35.961

168.24	35.959
168.34	35.958
168.44	35.956
168.54	35.954
168.64	35.952
168.74	35.951
168.84	35.949
168.94	35.947
169.	35.946
169.01	
169.02	
169.03	
169.06	35.945
169.11	35.969
169.2	36.054
169.3	36.16
169.4	36.283
169.5	36.422
169.6	36.574
169.7	36.738
169.8	36.914
169.9	37.232
170.	38.108
170.01	38.194
170.02	38.276
170.05	38.49
170.14	38.914
170.24	39.184
170.34	39.295
170.44	39.275
170.54	39.143
170.64	38.913
170.74	38.596
170.84	38.198
170.94	37.737
171.	37.42
171.01	37.371
171.02	37.323
171.05	37.192
171.14	36.876
171.24	36.821
171.34	36.784
171.44	36.753
171.54	36.727
171.64	36.706
171.74	36.689
171.84	36.674
171.94	36.662
172.	36.655
172.01	36.654
172.02	36.653
172.05	36.651
172.14	36.643
172.24	36.636
172.34	36.63
172.44	36.625
172.54	36.62
172.64	36.616
172.74	36.612
172.84	36.61
172.94	36.607
173.	36.605
173.01	
173.02	36.604
173.05	
173.14	36.601

173.24	36.599
173.34	36.596
173.44	36.594
173.54	36.591
173.64	36.589
173.74	36.587
173.84	36.584
173.94	36.582
174.	36.58
174.01	
174.02	
174.05	36.579
174.14	36.577
174.24	36.575
174.34	36.572
174.44	36.57
174.54	36.568
174.64	36.565
174.74	36.563
174.84	36.561
174.94	36.558
175.	36.557
175.01	
175.02	36.556
175.03	
175.06	
175.12	36.591
175.17	36.636
175.25	36.716
175.35	36.832
175.45	36.963
175.55	37.109
175.65	37.267
175.75	37.454
175.85	38.272
175.95	39.144
176.	39.554
176.01	39.64
176.02	39.721
176.05	39.931
176.14	40.345
176.24	40.603
176.34	40.702
176.44	40.669
176.54	40.525
176.64	40.282
176.74	39.951
176.84	39.54
176.94	39.066
177.	38.741
177.01	38.69
177.02	38.641
177.05	38.506
177.14	38.179
177.24	37.88
177.34	37.627
177.44	37.408
177.54	37.328
177.64	37.307
177.74	37.289
177.84	37.274
177.94	37.261
178.	37.254
178.01	37.253
178.02	37.252
178.05	37.249

178.14	37.241
178.24	37.234
178.34	37.227
178.44	37.221
178.54	37.216
178.64	37.211
178.74	37.207
178.84	37.203
178.94	37.2
179.	37.198
179.01	
179.02	37.197
179.05	37.196
179.14	37.193
179.24	37.19
179.34	37.187
179.44	37.184
179.54	37.182
179.64	37.179
179.74	37.176
179.84	37.173
179.94	37.17
180.	37.169
180.01	37.168
180.02	
180.04	
180.07	37.176
180.14	37.224
180.21	37.281
180.27	37.347
180.37	37.464
180.47	37.598
180.57	37.745
180.67	38.102
180.77	38.859
180.87	39.673
180.94	40.219
181.	40.788
181.01	40.872
181.02	40.952
181.05	41.158
181.14	41.562
181.24	41.809
181.34	41.897
181.44	41.854
181.54	41.7
181.64	41.448
181.74	41.108
181.84	40.689
181.94	40.205
182.	39.877
182.01	39.825
182.02	39.775
182.05	39.638
182.14	39.304
182.24	38.997
182.34	38.736
182.44	38.508
182.54	38.307
182.64	38.127
182.74	37.963
182.84	37.872
182.94	37.859
183.	37.852
183.01	37.851
183.02	37.85

183.05	37.846
183.14	37.838
183.24	37.83
183.34	37.823
183.44	37.817
183.54	37.811
183.64	37.806
183.74	37.801
183.84	37.797
183.94	37.793
184.	37.791
184.01	
184.02	37.79
184.05	37.789
184.14	37.786
184.24	37.782
184.34	37.779
184.44	37.776
184.54	37.772
184.64	37.769
184.74	37.766
184.84	37.762
184.94	37.759
185.	37.757
185.01	
185.02	
185.05	37.756
185.14	37.753
185.24	37.75
185.34	37.747
185.44	37.743
185.54	37.74
185.64	37.737
185.74	37.734
185.84	37.731
185.94	37.728
186.	37.726
186.01	
186.02	
186.05	37.725
186.14	37.722
186.24	37.719
186.34	37.716
186.44	37.713
186.54	37.71
186.64	37.707
186.74	37.704
186.84	37.702
186.94	37.699
187.	37.697
187.01	
187.02	37.696
187.05	37.695
187.14	37.693
187.24	37.69
187.34	37.687
187.44	37.684
187.54	37.682
187.64	37.679
187.74	37.676
187.84	37.673
187.94	37.671
188.	37.669
188.01	
188.02	37.668
188.03	

188.06	37.667
188.12	37.707
188.19	37.756
188.27	37.845
188.37	37.963
188.47	38.097
188.57	38.245
188.67	38.405
188.77	38.833
188.87	39.661
188.94	40.206
189.	40.772
189.01	40.857
189.02	40.938
189.05	41.148
189.14	41.56
189.24	41.817
189.34	41.915
189.44	41.881
189.54	41.735
189.64	41.491
189.74	41.158
189.84	40.746
189.94	40.273
190.	39.945
190.01	39.894
190.02	39.845
190.05	39.709
190.14	39.381
190.24	39.08
190.34	38.825
190.44	38.604
190.54	38.427
190.64	38.405
190.74	38.386
190.84	38.371
190.94	38.358
191.	38.351
191.01	38.35
191.02	38.349
191.05	38.346
191.14	38.338
191.24	38.33
191.34	38.323
191.44	38.317
191.54	38.312
191.64	38.307
191.74	38.302
191.84	38.298
191.94	38.295
192.	38.293
192.01	38.292
192.02	
192.05	38.291
192.14	38.288
192.24	38.284
192.34	38.281
192.44	38.278
192.54	38.275
192.64	38.271
192.74	38.268
192.84	38.265
192.94	38.262
193.	38.26
193.01	
193.02	

193.05	38.259
193.14	38.256
193.24	38.253
193.34	38.25
193.44	38.247
193.54	38.244
193.64	38.241
193.74	38.238
193.84	38.235
193.94	38.232
194.	38.23
194.01	
194.02	38.229
194.05	38.228
194.14	38.226
194.24	38.223
194.34	38.22
194.44	38.217
194.54	38.214
194.64	38.211
194.74	38.208
194.84	38.206
194.94	38.203
195.	38.201
195.01	
195.02	
195.05	38.2
195.14	38.197
195.24	38.194
195.34	38.192
195.44	38.189
195.54	38.186
195.64	38.183
195.74	38.181
195.84	38.178
195.94	38.175
196.	38.174
196.01	38.173
196.02	
196.05	38.172
196.14	38.17
196.24	38.167
196.34	38.165
196.44	38.162
196.54	38.159
196.64	38.157
196.74	38.154
196.84	38.152
196.94	38.149
197.	38.148
197.01	38.147
197.02	
197.05	38.146
197.14	38.144
197.24	38.141
197.34	38.139
197.44	38.136
197.54	38.134
197.64	38.131
197.74	38.129
197.84	38.127
197.94	38.124
198.	38.123
198.01	38.122
198.02	
198.03	

198.06	38.121
198.12	38.156
198.18	38.203
198.26	38.289
198.36	38.408
198.46	38.544
198.56	38.693
198.66	38.856
198.76	39.031
198.86	39.514
198.96	40.415
199.	40.776
199.01	40.866
199.02	40.954
199.05	41.205
199.14	41.866
199.24	42.522
199.34	43.118
199.44	43.67
199.54	44.184
199.64	44.669
199.74	45.128
199.84	45.566
199.94	45.984
200.	46.228
200.01	46.269
200.02	46.309
200.05	46.429
200.14	46.774
200.24	47.145
200.34	47.502
200.44	47.848
200.54	48.183
200.64	48.509
200.74	48.826
200.84	49.134
200.94	49.435
201.	49.612
201.01	49.642
201.02	49.671
201.05	49.759
201.14	50.018
201.24	50.299
201.34	50.574
201.44	50.844
201.54	51.108
201.64	51.368
201.74	51.624
201.84	51.875
201.94	52.121
202.	52.268
202.01	52.29
202.02	52.309
202.05	52.348
202.14	52.328
202.24	52.176
202.34	51.915
202.44	51.561
202.54	51.126
202.64	50.617
202.74	50.04
202.84	49.401
202.94	48.702
203.	48.263
203.01	48.192
203.02	48.122

	47.928
203.14	47.436
203.24	46.966
203.34	46.554
203.44	46.184
203.54	45.85
203.64	45.544
203.74	45.261
203.84	44.999
203.94	44.755
204.	44.614
204.01	44.591
204.02	44.567
204.05	44.499
204.14	44.306
204.24	44.103
204.34	43.911
204.44	43.729
204.54	43.556
204.64	43.391
204.74	43.233
204.84	43.082
204.94	42.937
205.	42.853
205.01	42.838
205.02	42.824
205.05	42.783
205.14	42.663
205.24	42.534
205.34	42.41
205.44	42.291
205.54	42.175
205.64	42.063
205.74	41.955
205.84	41.85
205.94	41.748
206.	41.688
206.01	41.678
206.02	41.668
206.05	41.639
206.14	41.552
206.24	41.459
206.34	41.368
206.44	41.28
206.54	41.194
206.64	41.11
206.74	41.028
206.84	40.948
206.94	40.87
207.	40.824
207.01	40.819
207.02	40.817
207.05	40.828
207.11	40.917
207.21	41.203
207.31	41.586
207.4	42.061
207.5	42.635
207.6	43.285
207.7	44.003
207.8	44.786
207.9	45.627
208.	46.488
208.01	46.576
208.02	46.661
208.05	46.903

	47.537
208.24	48.161
208.34	48.725
208.44	49.244
208.54	49.725
208.64	50.177
208.74	50.603
208.84	51.006
208.94	51.391
209.	51.615
209.01	51.65
209.02	51.682
209.05	51.757
209.14	51.837
209.24	51.785
209.34	51.614
209.44	51.343
209.54	50.982
209.64	50.54
209.74	50.025
209.84	49.441
209.94	48.793
210.	48.383
210.01	48.319
210.02	48.259
210.05	48.113
210.14	47.897
210.24	47.86
210.34	47.982
210.44	48.236
210.54	48.601
210.64	49.064
210.74	49.614
210.84	50.243
210.94	50.944
211.	51.389
211.01	51.461
211.02	51.532
211.05	51.73
211.14	52.243
211.24	52.743
211.34	53.192
211.44	53.604
211.54	53.986
211.64	54.345
211.74	54.683
211.84	55.005
211.94	55.313
212.	55.492
212.01	55.522
212.02	55.552
212.05	55.64
212.14	55.896
212.24	56.171
212.34	56.438
212.44	56.697
212.54	56.949
212.64	57.195
212.74	57.435
212.84	57.67
212.94	57.899
213.	58.035
213.01	58.058
213.02	58.08
213.05	58.148
213.14	58.345

	58.561
213.34	58.772
213.44	58.979
213.54	59.182
213.64	59.383
213.74	59.58
213.84	59.774
213.94	59.965
214.	60.078
214.01	60.097
214.02	60.116
214.05	60.174
214.14	60.35
214.24	60.548
214.34	60.748
214.44	60.949
214.54	61.151
214.64	61.353
214.74	61.556
214.84	61.759
214.94	61.963
215.	62.085
215.01	62.105
215.02	62.125
215.05	62.185
215.14	62.359
215.24	62.547
215.34	62.731
215.44	62.911
215.54	63.088
215.64	63.262
215.74	63.434
215.84	63.603
215.94	63.77
216.	63.869
216.01	63.885
216.02	63.902
216.05	63.949
216.14	64.085
216.24	64.227
216.34	64.363
216.44	64.493
216.54	64.617
216.64	64.737
216.74	64.851
216.84	64.962
216.94	65.068
217.	65.131
217.01	65.141
217.02	65.152
217.05	65.186
217.14	65.296
217.24	65.426
217.34	65.562
217.44	65.703
217.54	65.848
217.64	65.996
217.74	66.147
217.84	66.301
217.94	66.456
218.	66.551
218.01	66.566
218.02	66.582
218.05	66.628
218.14	66.763
218.24	66.909

	67.053
218.44	67.195
218.54	67.336
218.64	67.475
218.74	67.612
218.84	67.749
218.94	67.884
219.	67.965
219.01	67.976
219.02	67.984
219.05	67.989
219.14	67.862
219.24	67.586
219.34	67.199
219.44	66.718
219.54	66.152
219.64	65.512
219.74	64.803
219.84	64.03
219.94	63.198
220.	62.678
220.01	62.596
220.02	62.518
220.05	62.322
220.14	61.966
220.24	61.79
220.34	61.785
220.44	61.922
220.54	62.179
220.64	62.543
220.74	63.001
220.84	63.546
220.94	64.169
221.	64.57
221.01	64.635
221.02	64.698
221.05	64.873
221.14	65.317
221.24	65.739
221.34	66.111
221.44	66.447
221.54	66.754
221.64	67.04
221.74	67.306
221.84	67.558
221.94	67.797
222.	67.935
222.01	67.958
222.02	67.981
222.05	68.047
222.14	68.231
222.24	68.421
222.34	68.598
222.44	68.764
222.54	68.921
222.64	69.068
222.74	69.208
222.84	69.34
222.94	69.465
223.	69.538
223.01	69.55
223.02	69.562
223.05	69.599
223.14	69.71
223.24	69.834
223.34	69.957

	70.079
223.54	70.2
223.64	70.319
223.74	70.437
223.84	70.554
223.94	70.669
224.	70.738
224.01	70.749
224.02	70.761
224.05	70.796
224.14	70.908
224.24	71.035
224.34	71.166
224.44	71.3
224.54	71.435
224.64	71.573
224.74	71.712
224.84	71.853
224.94	71.995
225.	72.081
225.01	72.095
225.02	72.109
225.05	72.15
225.14	72.268
225.24	72.395
225.34	72.516
225.44	72.635
225.54	72.75
225.64	72.863
225.74	72.973
225.84	73.081
225.94	73.188
226.	73.25
226.01	73.263
226.02	73.279
226.05	73.342
226.14	73.659
226.24	74.131
226.34	74.702
226.44	75.356
226.54	76.085
226.64	76.879
226.74	77.734
226.84	78.645
226.94	79.608
227.	80.204
227.01	80.301
227.02	80.397
227.05	80.669
227.14	81.399
227.24	82.131
227.34	82.807
227.44	83.437
227.54	84.03
227.64	84.594
227.74	85.132
227.84	85.647
227.94	86.143
228.	86.434
228.01	86.483
228.02	86.531
228.05	86.673
228.14	87.088
228.24	87.533
228.34	87.965
228.44	88.384

		88.792
228.64		89.189
228.74		89.576
228.84		89.955
228.94		90.324
229.		90.543
229.01		90.577
229.02		90.609
229.05		90.685
229.14		90.784
229.24		90.767
229.34		90.646
229.44		90.435
229.54		90.144
229.64		89.781
229.74		89.353
229.84		88.864
229.94		88.317
230.		87.969
230.01		87.913
230.02		87.858
230.05		87.709
230.14		87.343
230.24		87.008
230.34		86.725
230.44		86.482
230.54		86.27
230.64		86.083
230.74		85.918
230.84		85.77
230.94	22.25	85.638
231.		85.564
231.01		85.554
231.02		85.547
231.05		85.546
231.14		85.687
231.24		85.982
231.34		86.392
231.44		86.9
231.54		87.494
231.64		88.166
231.74		88.91
231.84		89.718
231.94		90.588
232.		91.131
232.01		91.217
232.02		91.299
232.05		91.51
232.14		91.922
232.24		92.175
232.34		92.266
232.44		92.224
232.54		92.069
232.64		91.815
232.74		91.472
232.84		91.049
232.94		90.553
233.		90.23
233.01		90.183
233.02		90.142
233.05		90.068
233.14	22.243	90.172
233.24	22.235	90.592
233.34	22.227	91.256
233.44	22.219	92.12
233.54	22.211	93.159

233.64	22.203	94.35
233.74	22.195	95.679
233.84	22.187	97.133
233.94	22.178	98.704
234.	22.173	99.687
234.01	22.172	99.842
234.02		99.99
234.05	22.169	100.37
234.14	22.162	101.1
234.24	22.153	101.54
234.34	22.145	101.68
234.44	22.136	101.57
234.54	22.127	101.26
234.64	22.119	100.76
234.74	22.11	100.1
234.84	22.101	99.295
234.94	22.093	98.351
235.	22.087	97.738
235.01	22.086	97.641
235.02		97.55
235.05	22.083	97.319
235.14	22.075	96.895
235.24	22.066	96.666
235.34	22.057	96.621
235.44	22.048	96.724
235.54	22.04	96.948
235.64	22.031	97.277
235.74	22.022	97.698
235.84	22.013	98.201
235.94	22.004	98.778
236.	21.998	99.15
236.01	21.997	99.21
236.02		99.269
236.05	21.994	99.434
236.14	21.986	99.861
236.24	21.977	100.28
236.34	21.968	100.66
236.44	21.958	101.01
236.54	21.949	101.34
236.64	21.94	101.65
236.74	21.931	101.94
236.84	21.922	102.22
236.94	21.912	102.5
237.	21.907	102.66
237.01	21.906	102.68
237.02	21.905	102.71
237.05	21.902	102.79
237.14	21.893	103.02
237.24	21.884	103.26
237.34	21.875	103.5
237.44	21.865	103.73
237.54	21.856	103.96
237.64	21.846	104.18
237.74	21.836	104.39
237.84	21.827	104.6
237.94	21.817	104.81
238.	21.811	104.93
238.01	21.81	104.95
238.02	21.809	104.97
238.05	21.806	105.
238.14	21.798	104.97
238.24	21.788	104.83
238.34	21.778	104.59
238.44	21.768	104.27
238.54	21.758	103.88
238.64	21.748	103.43

238.74	21.738	102.91
238.84	21.728	102.35
238.94	21.718	101.73
239.	21.712	101.34
239.01	21.711	101.28
239.02	21.71	101.21
239.05	21.707	101.04
239.14	21.698	100.61
239.24	21.689	100.19
239.34	21.678	99.821
239.44	21.668	99.492
239.54	21.658	99.193
239.64	21.648	98.918
239.74	21.638	98.665
239.84	21.628	98.43
239.94	21.618	98.21
240.	21.612	98.083
240.01	21.611	98.064
240.02	21.61	98.047
240.05	21.607	98.016
240.14	21.598	98.044
240.24	21.588	98.198
240.34	21.578	98.451
240.44	21.568	98.79
240.54	21.558	99.205
240.64	21.548	99.689
240.74	21.537	100.23
240.84	21.527	100.84
240.94	21.517	101.49
241.	21.511	101.91
241.01	21.51	101.97
241.02	21.509	102.04
241.05	21.506	102.22
241.14	21.496	102.7
241.24	21.486	103.16
241.34	21.476	103.57
241.44	21.465	103.94
241.54	21.455	104.29
241.64	21.445	104.61
241.74	21.434	104.91
241.84	21.424	105.19
241.94	21.413	105.46
242.	21.407	105.61
242.01	21.406	105.64
242.02	21.405	105.66
242.05	21.402	105.74
242.14	21.392	105.96
242.24	21.382	106.19
242.34	21.371	106.42
242.44	21.36	106.64
242.54	21.35	106.85
242.64	21.339	107.05
242.74	21.328	107.25
242.84	21.318	107.44
242.94	21.307	107.63
243.	21.301	107.74
243.01	21.3	107.76
243.02	21.299	107.78
243.05	21.295	107.83
243.14	21.286	107.99
243.24	21.275	108.16
243.34	21.264	108.33
243.44	21.254	108.5
243.54	21.243	108.66
243.64	21.232	108.81
243.74	21.221	108.97

	21.211	109.12
243.94	21.2	109.27
244.	21.193	109.36
244.01	21.192	109.37
244.02	21.191	109.39
244.05	21.188	109.43
244.14	21.178	109.56
244.24	21.167	109.69
244.34	21.157	109.83
244.44	21.146	109.96
244.54	21.135	110.09
244.64	21.124	110.22
244.74	21.113	110.34
244.84	21.103	110.47
244.94	21.092	110.58
245.	21.085	110.66
245.01	21.084	110.67
245.02	21.083	
245.05	21.08	110.68
245.14	21.07	110.6
245.24	21.059	110.4
245.34	21.048	110.12
245.44	21.038	109.76
245.54	21.027	109.34
245.64	21.016	108.86
245.74	21.005	108.33
245.84	20.994	107.75
245.94	20.983	107.12
246.	20.977	106.73
246.01	20.976	106.66
246.02	20.975	106.6
246.05	20.972	106.42
246.14	20.962	105.97
246.24	20.951	105.53
246.34	20.94	105.14
246.44	20.929	104.78
246.54	20.919	104.46
246.64	20.908	104.15
246.74	20.897	103.87
246.84	20.886	103.6
246.94	20.876	103.35
247.	20.869	103.2
247.01	20.868	103.18
247.02	20.867	103.16
247.05	20.864	103.12
247.14	20.854	103.09
247.24	20.844	103.17
247.34	20.833	103.34
247.44	20.822	103.59
247.54	20.812	103.9
247.64	20.801	104.28
247.74	20.79	104.71
247.84	20.78	105.19
247.94	20.769	105.72
248.	20.762	106.05
248.01	20.761	106.1
248.02	20.76	106.15
248.05	20.757	106.27
248.14	20.747	106.46
248.24	20.737	106.51
248.34	20.726	106.44
248.44	20.715	106.27
248.54	20.705	106.
248.64	20.694	105.66
248.74	20.683	105.26
248.84	20.673	104.79

248.94	20.662	104.26
249.	20.655	103.93
249.01	20.654	103.87
249.02	20.653	103.82
249.05	20.65	103.67
249.14	20.641	103.3
249.24	20.63	102.93
249.34	20.619	102.61
249.44	20.609	102.32
249.54	20.598	102.05
249.64	20.588	101.8
249.74	20.577	101.57
249.84	20.567	101.35
249.94	20.556	101.14
250.	20.55	101.02
250.01	20.549	101.
250.02	20.548	100.98
250.05	20.545	100.92
250.14	20.535	100.74
250.24	20.525	100.56
250.34	20.514	100.38
250.44	20.504	100.21
250.54	20.494	100.04
250.64	20.483	99.874
250.74	20.473	99.714
250.84	20.463	99.559
250.94	20.453	99.406
251.	20.447	99.316
251.01	20.446	99.301
251.02	20.445	99.287
251.05	20.442	99.244
251.14	20.433	99.125
251.24	20.422	99.002
251.34	20.412	98.888
251.44	20.402	98.781
251.54	20.392	98.68
251.64	20.382	98.584
251.74	20.372	98.495
251.84	20.362	98.41
251.94	20.353	98.33
252.	20.347	98.283
252.01	20.346	98.276
252.02	20.345	98.268
252.05	20.342	98.244
252.14	20.333	98.17
252.24	20.323	98.086
252.34	20.313	98.001
252.44	20.304	97.916
252.54	20.294	97.832
252.64	20.284	97.747
252.74	20.275	97.663
252.84	20.265	97.58
252.94	20.256	97.497
253.	20.25	97.447
253.01	20.249	97.439
253.02	20.248	97.431
253.05	20.245	97.406
253.14	20.237	97.333
253.24	20.227	97.253
253.34	20.218	97.174
253.44	20.208	97.096
253.54	20.199	97.018
253.64	20.19	96.942
253.74	20.181	96.866
253.84	20.171	96.79
253.94	20.162	96.716

	20.157	96.672
254.01	20.156	96.666
254.02	20.155	96.662
254.05	20.152	96.664
254.14	20.144	96.762
254.24	20.135	96.961
254.34	20.126	97.233
254.44	20.117	97.569
254.54	20.108	97.959
254.64	20.099	98.4
254.74	20.09	98.885
254.84	20.082	99.413
254.94	20.073	99.981
255.	20.068	100.34
255.01	20.067	100.39
255.02	20.066	100.44
255.05	20.063	100.58
255.14	20.055	100.82
255.24	20.047	100.95
255.34	20.038	
255.44	20.029	100.87
255.54	20.021	100.7
255.64	20.012	100.45
255.74	20.004	100.15
255.84	19.995	99.786
255.94	19.987	99.37
256.	19.982	99.102
256.01	19.981	99.059
256.02	19.98	99.017
256.05	19.977	98.901
256.14	19.97	98.617
256.24	19.962	98.355
256.34	19.953	98.13
256.44	19.945	97.934
256.54	19.937	97.761
256.64	19.929	97.606
256.74	19.921	97.466
256.84	19.913	97.339
256.94	19.905	97.222
257.	19.9	97.156
257.01	19.899	97.146
257.02	19.898	97.135
257.05	19.896	97.102
257.14	19.889	97.008
257.24	19.881	96.907
257.34	19.873	96.81
257.44	19.866	96.716
257.54	19.858	96.626
257.64	19.85	96.54
257.74	19.843	96.456
257.84	19.835	96.375
257.94	19.827	96.297
258.	19.823	96.251
258.01	19.822	96.245
258.02	19.821	96.24
258.05	19.819	96.241
258.14	19.813	96.335
258.24	19.805	96.528
258.34	19.798	96.795
258.44	19.79	97.124
258.54	19.783	97.508
258.64	19.776	97.942
258.74	19.768	98.422
258.84	19.761	98.943
258.94	19.754	99.504
259.	19.75	99.854

259.01	19.749	99.911
259.02	19.748	99.967
259.05	19.746	100.12
259.14	19.74	100.53
259.24	19.732	100.94
259.34	19.725	101.3
259.44	19.718	101.64
259.54	19.711	101.95
259.64	19.704	102.24
259.74	19.697	102.51
259.84	19.69	102.77
259.94	19.683	103.02
260.	19.679	103.16
260.01	19.678	103.19
260.02	19.677	103.21
260.05	19.675	103.28
260.14	19.669	103.48
260.24	19.662	103.7
260.34	19.655	103.91
260.44	19.648	104.11
260.54	19.641	104.31
260.64	19.634	104.5
260.74	19.628	104.68
260.84	19.621	104.86
260.94	19.614	105.04
261.	19.61	105.14
261.01	19.609	105.16
261.02		105.17
261.05	19.607	105.2
261.14	19.6	105.19
261.24	19.594	105.09
261.34	19.587	104.91
261.44	19.58	104.67
261.54	19.574	104.38
261.64	19.567	104.03
261.74	19.56	103.64
261.84	19.554	103.2
261.94	19.547	102.72
262.	19.543	102.42
262.01		102.37
262.02	19.542	102.33
262.05	19.54	102.22
262.14	19.534	102.05
262.24	19.528	101.99
262.34	19.521	102.05
262.44	19.515	102.2
262.54	19.509	102.43
262.64	19.502	102.73
262.74	19.496	103.09
262.84	19.49	103.5
262.94	19.483	103.96
263.	19.48	104.26
263.01	19.479	104.3
263.02	19.478	104.35
263.05	19.477	104.45
263.14	19.471	104.62
263.24	19.465	104.67
263.34	19.459	104.6
263.44	19.452	104.45
263.54	19.446	104.22
263.64	19.44	103.93
263.74	19.434	103.58
263.84	19.428	103.17
263.94	19.421	102.71
264.	19.418	102.42
264.01		102.37

264.02	19.417	102.33
264.05	19.415	102.2
264.14	19.409	101.89
264.24	19.403	101.61
264.34	19.397	101.36
264.44	19.391	101.16
264.54	19.385	100.97
264.64	19.379	100.81
264.74	19.373	100.67
264.84	19.367	100.55
264.94	19.361	100.44
265.	19.357	100.37
265.01		100.36
265.02	19.356	100.35
265.05	19.354	100.32
265.14	19.349	100.24
265.24	19.343	100.16
265.34	19.337	100.09
265.44	19.332	100.03
265.54	19.326	99.975
265.64	19.32	99.927
265.74	19.314	99.885
265.84	19.308	99.85
265.94	19.303	99.821
266.	19.299	99.806
266.01		99.803
266.02	19.298	99.801
266.05	19.296	99.791
266.14	19.291	99.758
266.24	19.285	99.716
266.34	19.28	99.67
266.44	19.274	99.622
266.54	19.268	99.572
266.64	19.263	99.52
266.74	19.257	99.467
266.84	19.252	99.412
266.94	19.246	99.356
267.	19.243	99.322
267.01	19.242	99.318
267.02		99.316
267.05	19.24	99.324
267.14	19.235	99.445
267.24	19.229	99.671
267.34	19.224	99.974
267.44	19.218	100.34
267.54	19.213	100.76
267.64	19.207	101.24
267.74	19.202	101.76
267.84	19.197	102.32
267.94	19.191	102.92
268.	19.188	103.3
268.01	19.187	103.36
268.02		103.42
268.05	19.185	103.59
268.14	19.18	104.03
268.24	19.175	104.46
268.34	19.17	104.85
268.44	19.164	105.21
268.54	19.159	105.55
268.64	19.153	105.86
268.74	19.148	106.15
268.84	19.143	106.43
268.94	19.137	106.69
269.	19.134	106.85
269.01		106.87
269.02	19.133	106.9

269.05	19.131	106.97
269.14	19.127	107.19
269.24	19.121	107.42
269.34	19.116	107.65
269.44	19.111	107.86
269.54	19.105	108.07
269.64	19.1	108.28
269.74	19.095	108.47
269.84	19.09	108.67
269.94	19.084	108.85
270.	19.081	108.96
270.01		108.98
270.02	19.08	108.99
270.05	19.079	109.02
270.14	19.074	
270.24	19.069	108.92
270.34	19.063	108.74
270.44	19.058	108.49
270.54	19.053	108.19
270.64	19.048	107.83
270.74	19.043	107.42
270.84	19.038	106.97
270.94	19.033	106.48
271.	19.03	106.17
271.01	19.029	106.12
271.02		106.07
271.05	19.027	105.96
271.14	19.023	105.81
271.24	19.018	105.8
271.34	19.013	105.92
271.44	19.008	106.14
271.54	19.003	106.45
271.64	18.998	106.85
271.74	18.993	107.31
271.84	18.988	107.84
271.94	18.983	108.44
272.	18.98	108.81
272.01		108.87
272.02	18.979	108.93
272.05	18.978	109.07
272.14	18.973	109.34
272.24	18.968	109.49
272.34	18.964	109.52
272.44	18.959	109.46
272.54	18.954	109.32
272.64	18.949	109.1
272.74	18.944	108.83
272.84	18.939	108.5
272.94	18.934	108.11
273.	18.931	107.86
273.01		107.82
273.02	18.93	107.79
273.05	18.929	107.7
273.14	18.924	107.59
273.24	18.92	107.6
273.34	18.915	107.71
273.44	18.91	107.9
273.54	18.905	108.17
273.64	18.9	108.49
273.74	18.895	108.88
273.84	18.89	109.31
273.94	18.886	109.79
274.	18.883	110.09
274.01	18.882	110.14
274.02		110.19
274.05	18.88	110.34

274.14	18.876	110.75
274.24	18.871	111.18
274.34	18.866	111.61
274.44	18.861	112.03
274.54	18.856	112.45
274.64	18.852	112.86
274.74	18.847	113.28
274.84	18.842	113.7
274.94	18.837	114.11
275.	18.834	114.36
275.01	18.833	114.4
275.02		114.44
275.05	18.831	114.53
275.14	18.827	114.69
275.24	18.822	114.74
275.34	18.817	114.7
275.44	18.812	114.57
275.54	18.807	114.37
275.64	18.802	114.11
275.74	18.797	113.79
275.84	18.792	113.41
275.94	18.787	112.99
276.	18.785	112.72
276.01	18.784	112.67
276.02		112.63
276.05	18.782	112.52
276.14	18.778	112.28
276.24	18.773	112.09
276.34	18.768	111.96
276.44	18.763	111.88
276.54	18.758	111.84
276.64	18.753	111.83
276.74	18.748	111.85
276.84	18.743	111.89
276.94	18.738	111.96
277.	18.735	112.01
277.01		112.02
277.02	18.734	
277.05	18.733	112.06
277.14	18.729	112.19
277.24	18.724	112.37
277.34	18.719	112.59
277.44	18.714	112.82
277.54	18.709	113.08
277.64	18.704	113.36
277.74	18.699	113.66
277.84	18.695	113.97
277.94	18.69	114.29
278.	18.687	114.49
278.01	18.686	114.52
278.02		114.56
278.05	18.684	114.68
278.14	18.68	115.15
278.24	18.675	115.77
278.34	18.67	116.48
278.44	18.665	117.25
278.54	18.66	118.1
278.64	18.655	119.
278.74	18.65	119.96
278.84	18.645	120.97
278.94	18.64	122.03
279.	18.637	122.68
279.01		122.79
279.02	18.636	122.9
279.05	18.635	123.26
279.14	18.63	124.44

279.24	18.625	125.88
279.34	18.62	127.43
279.44	18.614	129.06
279.54	18.609	130.79
279.64	18.604	132.6
279.74	18.598	134.48
279.84	18.593	136.43
279.94	18.588	138.45
280.	18.584	139.69
280.01		139.89
280.02	18.583	140.09
280.05	18.581	140.69
280.14	18.576	142.4
280.24	18.571	144.25
280.34	18.565	146.05
280.44	18.559	147.83
280.54	18.553	149.59
280.64	18.547	151.34
280.74	18.541	153.08
280.84	18.535	154.81
280.94	18.529	156.54
281.	18.525	157.57
281.01		157.74
281.02	18.524	157.91
281.05	18.522	158.42
281.14	18.516	159.89
281.24	18.51	161.49
281.34	18.503	163.05
281.44	18.497	164.59
281.54	18.49	166.11
281.64	18.483	167.6
281.74	18.477	169.08
281.84	18.47	170.55
281.94	18.463	172.
282.	18.458	172.87
282.01		173.01
282.02	18.457	173.15
282.05	18.455	173.57
282.14	18.448	174.72
282.24	18.441	175.93
282.34	18.434	177.07
282.44	18.426	178.15
282.54	18.419	179.18
282.64	18.411	180.17
282.74	18.403	181.11
282.84	18.395	182.02
282.94	18.387	182.89
283.	18.382	183.4
283.01		183.49
283.02	18.381	183.59
283.05	18.378	183.9
283.14	18.371	185.07
283.24	18.363	186.57
283.34	18.354	188.24
283.44	18.346	190.04
283.54	18.337	191.97
283.64	18.328	194.
283.74	18.319	196.12
283.84	18.31	198.34
283.94	18.301	200.63
284.	18.295	202.03
284.01	18.294	202.26
284.02	18.293	202.49
284.05	18.29	203.14
284.14	18.282	204.91
284.24	18.272	206.73

284.34	18.262	208.42
284.44	18.252	210.01
284.54	18.241	211.52
284.64	18.231	212.97
284.74	18.22	214.36
284.84	18.209	215.69
284.94	18.198	216.98
285.	18.191	217.73
285.01	18.19	217.86
285.02	18.189	217.98
285.05	18.186	218.36
285.14	18.176	219.48
285.24	18.164	220.71
285.34	18.152	221.92
285.44	18.14	223.11
285.54	18.128	224.29
285.64	18.115	225.45
285.74	18.103	226.59
285.84	18.09	227.71
285.94	18.077	228.83
286.	18.069	229.49
286.01	18.068	229.6
286.02	18.066	229.71
286.05	18.062	230.04
286.14	18.05	231.01
286.24	18.037	232.08
286.34	18.023	233.13
286.44	18.009	234.17
286.54	17.995	235.19
286.64	17.98	236.21
286.74	17.965	237.21
286.84	17.951	238.19
286.94	17.935	239.17
287.	17.926	239.75
287.01	17.925	239.85
287.02	17.923	239.95
287.05	17.919	240.26
287.14	17.905	241.3
287.24	17.889	242.54
287.34	17.873	243.85
287.44	17.857	245.22
287.54	17.84	246.64
287.64	17.824	248.1
287.74	17.807	249.6
287.84	17.79	251.14
287.94	17.772	252.71
288.	17.762	253.66
288.01	17.76	253.82
288.02	17.758	253.96
288.05	17.753	254.37
288.14	17.737	255.33
288.24	17.719	256.13
288.34	17.7	256.74
288.44	17.682	257.19
288.54	17.663	257.48
288.64	17.644	257.65
288.74	17.625	257.7
288.84	17.605	257.64
288.94	17.585	257.48
289.	17.574	257.36
289.01	17.572	257.34
289.02	17.57	257.33
289.05	17.564	
289.14	17.545	257.53
289.24	17.525	257.96
289.34	17.504	258.53

289.44	17.484	259.22
289.54	17.462	260.01
289.64	17.441	260.88
289.74	17.42	261.83
289.84	17.398	262.84
289.94	17.376	263.9
290.	17.363	264.56
290.01	17.361	264.67
290.02	17.358	264.79
290.05	17.352	265.13
290.14	17.332	266.22
290.24	17.309	267.49
290.34	17.286	268.83
290.44	17.263	270.22
290.54	17.24	271.65
290.64	17.216	273.13
290.74	17.192	274.66
290.84	17.168	276.22
290.94	17.144	277.82
291.	17.129	278.79
291.01	17.127	278.96
291.02	17.125	279.11
291.05	17.117	279.58
291.14	17.095	280.88
291.24	17.07	282.24
291.34	17.045	283.55
291.44	17.019	284.81
291.54	16.993	286.03
291.64	16.967	287.22
291.74	16.941	288.38
291.84	16.915	289.52
291.94	16.888	290.63
292.	16.872	291.3
292.01	16.869	291.41
292.02	16.867	291.52
292.05	16.859	291.85
292.14	16.834	292.83
292.24	16.807	293.91
292.34	16.779	294.98
292.44	16.751	296.04
292.54	16.723	297.1
292.64	16.695	298.14
292.74	16.667	299.18
292.84	16.638	300.2
292.94	16.609	301.22
293.	16.591	301.83
293.01	16.589	301.94
293.02	16.586	302.04
293.05	16.577	302.39
293.14	16.55	303.56
293.24	16.521	305.01
293.34	16.491	306.57
293.44	16.461	308.23
293.54	16.431	309.97
293.64	16.4	311.79
293.74	16.37	313.67
293.84	16.339	315.61
293.94	16.308	317.62
294.	16.289	318.84
294.01	16.286	319.03
294.02	16.283	319.23
294.05	16.273	319.77
294.14	16.245	321.13
294.24	16.213	322.41
294.34	16.181	323.49
294.44	16.149	324.43

	16.116	325.23
294.64	16.084	325.91
294.74	16.051	326.49
294.84	16.018	326.98
294.94	15.984	327.38
295.	15.964	327.59
295.01	15.961	327.63
295.02	15.957	327.68
295.05	15.947	327.87
295.14	15.917	328.77
295.24	15.883	330.05
295.34	15.849	331.57
295.44	15.814	333.27
295.54	15.78	335.14
295.64	15.745	337.14
295.74	15.71	339.27
295.84	15.675	341.52
295.94	15.639	343.86
296.	15.618	345.31
296.01	15.614	345.54
296.02	15.611	345.77
296.05	15.6	346.41
296.14	15.568	348.02
296.24	15.531	349.53
296.34	15.495	350.82
296.44	15.458	351.94
296.54	15.422	352.91
296.64	15.385	353.76
296.74	15.347	354.5
296.84	15.31	355.13
296.94	15.272	355.68
297.	15.249	355.97
297.01	15.246	356.03
297.02	15.242	356.09
297.05	15.23	356.31
297.14	15.196	357.26
297.24	15.158	358.57
297.34	15.119	360.08
297.44	15.08	361.75
297.54	15.041	363.55
297.64	15.002	365.47
297.74	14.962	367.5
297.84	14.922	369.62
297.94	14.883	371.83
298.	14.858	373.18
298.01	14.854	373.4
298.02	14.85	373.61
298.05	14.838	374.19
298.14	14.802	375.57
298.24	14.761	376.77
298.34	14.72	377.71
298.44	14.679	378.44
298.54	14.638	378.98
298.64	14.597	379.36
298.74	14.555	379.6
298.84	14.513	379.71
298.94	14.471	379.7
299.	14.445	379.65
299.01	14.441	
299.02	14.437	
299.05	14.424	379.69
299.14	14.386	380.06
299.24	14.343	380.67
299.34	14.3	381.43
299.44	14.257	382.32
299.54	14.213	383.32

299.64	14.169	384.39
299.74	14.126	385.54
299.84	14.082	386.76
299.94	14.037	388.04
300.	14.011	388.82
300.01	14.006	388.95
300.02	14.002	389.08
300.05	13.988	389.46
300.14	13.948	390.55
300.24	13.903	391.73
300.34	13.858	392.88
300.44	13.813	394.02
300.54	13.768	395.15
300.64	13.722	396.27
300.74	13.676	397.38
300.84	13.63	398.49
300.94	13.583	399.59
301.	13.556	400.25
301.01	13.551	400.36
301.02	13.546	400.48
301.05	13.532	400.86
301.14	13.49	402.19
301.24	13.443	403.86
301.34	13.396	405.68
301.44	13.348	407.62
301.54	13.301	409.68
301.64	13.253	411.83
301.74	13.205	414.07
301.84	13.156	416.39
301.94	13.108	418.79
302.	13.079	420.26
302.01	13.074	420.5
302.02	13.069	420.73
302.05	13.054	421.42
302.14	13.01	423.28
302.24	12.961	425.19
302.34	12.911	426.98
302.44	12.862	428.68
302.54	12.812	430.29
302.64	12.762	431.84
302.74	12.711	433.34
302.84	12.661	434.78
302.94	12.61	436.17
303.	12.579	436.99
303.01	12.574	437.13
303.02	12.569	437.25
303.05	12.554	437.61
303.14	12.507	438.46
303.24	12.456	439.2
303.34	12.404	439.77
303.44	12.352	440.18
303.54	12.3	440.46
303.64	12.248	440.63
303.74	12.195	440.68
303.84	12.142	440.63
303.94	12.09	440.49
304.	12.058	440.37
304.01	12.052	440.36
304.02	12.047	440.35
304.05	12.031	440.33
304.14	11.983	440.45
304.24	11.93	440.72
304.34	11.876	441.09
304.44	11.823	441.53
304.54	11.769	442.03
304.64	11.714	442.58

	11.66	443.18
304.84	11.606	443.81
304.94	11.551	444.47
305.	11.518	444.87
305.01	11.513	444.94
305.02	11.507	445.02
305.05	11.491	445.31
305.14	11.441	446.5
305.24	11.386	448.14
305.34	11.331	450.03
305.44	11.276	452.14
305.54	11.22	454.44
305.64	11.164	456.91
305.74	11.108	459.54
305.84	11.052	462.3
305.94	10.995	465.2
306.	10.961	466.98
306.01	10.955	467.27
306.02	10.95	467.55
306.05	10.933	468.3
306.14	10.882	470.1
306.24	10.824	471.65
306.34	10.767	472.86
306.44	10.71	473.8
306.54	10.652	474.5
306.64	10.594	475.
306.74	10.536	475.33
306.84	10.477	475.49
306.94	10.419	475.51
307.	10.383	475.47
307.01	10.377	475.46
307.02	10.372	
307.05	10.354	475.42
307.14	10.301	475.2
307.24	10.242	474.84
307.34	10.182	474.37
307.44	10.123	473.8
307.54	10.063	473.13
307.64	10.004	472.38
307.74	9.9436	471.53
307.84	9.8836	470.6
307.94	9.8234	469.6
308.	9.7873	468.97
308.01	9.7812	468.87
308.02	9.7752	468.77
308.05	9.7571	468.53
308.14	9.7028	468.1
308.24	9.6422	467.86
308.34	9.5816	467.82
308.44	9.5209	467.94
308.54	9.46	468.18
308.64	9.3991	468.53
308.74	9.338	468.98
308.84	9.2768	469.51
308.94	9.2155	470.12
309.	9.1787	470.51
309.01	9.1726	470.57
309.02	9.1664	470.63
309.05	9.148	470.79
309.14	9.0927	471.11
309.24	9.031	471.35
309.34	8.9693	471.5
309.44	8.9074	471.58
309.54	8.8455	471.59
309.64	8.7834	471.55
309.74	8.7212	471.47

309.84	8.6589	471.35
309.94	8.5965	471.19
310.	8.559	471.09
310.01	8.5527	471.07
310.02	8.5465	471.06
310.05	8.5277	471.05
310.14	8.4714	471.17
310.24	8.4086	471.45
310.34	8.3458	471.84
310.44	8.2829	472.32
310.54	8.2198	472.88
310.64	8.1567	473.5
310.74	8.0935	474.19
310.84	8.0302	474.93
310.94	7.9668	475.72
311.	7.9288	476.21
311.01	7.9224	476.29
311.02	7.9161	476.37
311.05	7.8971	476.56
311.14	7.8399	476.94
311.24	7.7763	477.18
311.34	7.7126	477.29
311.44	7.6488	477.27
311.54	7.585	477.17
311.64	7.5211	476.97
311.74	7.4572	476.71
311.84	7.3932	476.37
311.94	7.3291	475.97
312.	7.2907	475.71
312.01	7.2843	475.67
312.02	7.2779	475.62
312.05	7.2586	475.49
312.14	7.2009	475.08
312.24	7.1368	474.61
312.34	7.0726	474.1
312.44	7.0084	473.57
312.54	6.9442	473.01
312.64	6.88	472.43
312.74	6.8157	471.82
312.84	6.7515	471.18
312.94	6.6873	470.52
313.	6.6487	470.11
313.01	6.6423	470.05
313.02	6.6359	469.99
313.05	6.6166	469.84
313.14	6.5588	469.58
313.24	6.4946	469.46
313.34	6.4304	469.49
313.44	6.3663	469.63
313.54	6.3021	469.87
313.64	6.238	470.2
313.74	6.1738	470.6
313.84	6.1098	471.07
313.94	6.0457	471.6
314.	6.0072	471.93
314.01	6.0008	471.99
314.02	5.9944	472.03
314.05	5.9752	472.13
314.14	5.9176	472.14
314.24	5.8536	471.89
314.34	5.7896	471.45
314.44	5.7257	470.85
314.54	5.6618	470.11
314.64	5.5979	469.24
314.74	5.5341	468.27
314.84	5.4703	467.2

	5.4065	466.04
315.	5.3683	465.31
315.01	5.362	465.2
315.02	5.3556	465.08
315.05	5.3365	464.79
315.14	5.2792	464.16
315.24	5.2157	463.69
315.34	5.1522	463.38
315.44	5.0887	463.22
315.54	5.0254	463.18
315.64	4.9621	463.23
315.74	4.8989	463.37
315.84	4.8358	463.59
315.94	4.7727	463.88
316.	4.7349	464.08
316.01	4.7286	464.11
316.02	4.7224	464.15
316.05	4.7035	464.26
316.14	4.6469	464.63
316.24	4.5841	465.1
316.34	4.5214	465.62
316.44	4.4588	466.19
316.54	4.3962	466.81
316.64	4.3337	467.47
316.74	4.2714	468.17
316.84	4.2091	468.91
316.94	4.1468	469.68
317.	4.1095	470.16
317.01	4.1033	470.23
317.02	4.0971	470.3
317.05	4.0785	470.46
317.14	4.0226	470.62
317.24	3.9606	470.52
317.34	3.8988	470.19
317.44	3.837	469.68
317.54	3.7753	469.01
317.64	3.7137	468.2
317.74	3.6522	467.26
317.84	3.5908	466.21
317.94	3.5295	465.06
318.	3.4928	464.33
318.01	3.4867	464.21
318.02	3.4806	464.09
318.05	3.4622	463.75
318.14	3.4073	462.76
318.24	3.3464	461.7
318.34	3.2857	460.65
318.44	3.2251	459.61
318.54	3.1646	458.57
318.64	3.1043	457.52
318.74	3.0441	456.47
318.84	2.9841	455.4
318.94	2.9243	454.32
319.	2.8884	453.67
319.01	2.8825	453.57
319.02	2.8765	453.48
319.05	2.8586	453.26
319.14	2.805	453.02
319.24	2.7457	453.14
319.34	2.6865	453.57
319.44	2.6274	454.26
319.54	2.5685	455.18
319.64	2.5098	456.3
319.74	2.4512	457.59
319.84	2.3928	459.05
319.94	2.3345	460.66

	2.2995	461.67
320.01	2.2937	461.83
320.02	2.2879	461.99
320.05	2.2704	462.38
320.14	2.2182	463.12
320.24	2.1603	463.57
320.34	2.1026	463.73
320.44	2.0449	463.65
320.54	1.9874	463.38
320.64	1.93	462.94
320.74	1.8728	462.34
320.84	1.8157	461.62
320.94	1.7587	460.78
321.	1.7246	460.23
321.01	1.7189	460.14
321.02	1.7132	460.05
321.05	1.6962	459.81
321.14	1.6451	459.21
321.24	1.5886	458.62
321.34	1.5322	458.1
321.44	1.476	457.62
321.54	1.4199	457.17
321.64	1.364	456.75
321.74	1.3083	456.34
321.84	1.2527	455.96
321.94	1.1974	455.58
322.	1.1642	455.36
322.01	1.1587	455.32
322.02	1.1532	455.27
322.05	1.1366	455.13
322.14	1.0871	454.53
322.24	1.0323	453.74
322.34	0.97762	452.83
322.44	0.92317	451.84
322.54	0.8689	450.77
322.64	0.81483	449.63
322.74	0.76095	448.43
322.84	0.70726	447.18
322.94	0.65377	445.87
323.	0.62174	445.07
323.01	0.61641	444.95
323.02	0.61107	444.83
323.05	0.59509	444.52
323.14	0.54729	443.93
323.24	0.49438	443.59
323.34	0.44167	443.49
323.44	0.38915	443.6
323.54	0.33683	443.89
323.64	0.2847	444.33
323.74	0.23275	444.9
323.84	0.181	445.6
323.94	0.12943	446.41
324.	9.8548e-002	446.94
324.01	9.3404e-002	447.02
324.02	8.8262e-002	447.11
324.05	7.2853e-002	447.33
324.14	2.677e-002	447.85
324.24	-2.4258e-002	448.32
324.34	-7.5111e-002	448.71
324.44	-0.12579	449.04
324.54	-0.1763	449.32
324.64	-0.22664	449.56
324.74	-0.27681	449.77
324.84	-0.32682	449.96
324.94	-0.37666	450.12
325.	-0.4065	450.22

	-0.41147	450.23
325.02	-0.41644	
325.05	-0.43133	450.19
325.14	-0.47588	449.78
325.24	-0.5252	449.01
325.34	-0.57434	448.
325.44	-0.6233	446.78
325.54	-0.67207	445.38
325.64	-0.72065	443.82
325.74	-0.76904	442.12
325.84	-0.81722	440.28
325.94	-0.86519	438.31
326.	-0.89389	437.09
326.01	-0.89867	436.89
326.02	-0.90345	436.7
326.05	-0.91778	436.15
326.14	-0.96057	434.71
326.24	-1.0079	433.31
326.34	-1.055	432.04
326.44	-1.1019	430.88
326.54	-1.1485	429.81
326.64	-1.1949	428.8
326.74	-1.2411	427.85
326.84	-1.287	426.95
326.94	-1.3327	426.1
327.	-1.36	425.6
327.01	-1.3646	425.52
327.02	-1.3691	425.44
327.05	-1.3828	425.2
327.14	-1.4235	424.53
327.24	-1.4684	423.84
327.34	-1.5132	423.19
327.44	-1.5577	422.58
327.54	-1.602	422.
327.64	-1.6461	421.46
327.74	-1.6899	420.94
327.84	-1.7335	420.45
327.94	-1.7769	419.99
328.	-1.8029	419.72
328.01	-1.8072	419.67
328.02	-1.8115	419.62
328.05	-1.8244	419.47
328.14	-1.8631	418.92
328.24	-1.9058	418.24
328.34	-1.9483	417.57
328.44	-1.9906	416.87
328.54	-2.0326	416.13
328.64	-2.0744	415.37
328.74	-2.116	414.58
328.84	-2.1574	413.77
328.94	-2.1985	412.94
329.	-2.2231	412.43
329.01	-2.2272	412.34
329.02	-2.2313	412.26
329.05	-2.2436	412.02
329.14	-2.2802	411.35
329.24	-2.3206	410.65
329.34	-2.3608	409.97
329.44	-2.4008	409.32
329.54	-2.4405	408.69
329.64	-2.4799	408.07
329.74	-2.5192	407.47
329.84	-2.5581	406.87
329.94	-2.5968	406.29
330.	-2.62	405.94
330.01	-2.6238	405.88

330.02	-2.6277	405.82
330.05	-2.6392	405.62
330.14	-2.6736	404.94
330.24	-2.7116	404.1
330.34	-2.7493	403.19
330.44	-2.7867	402.23
330.54	-2.8239	401.23
330.64	-2.8608	400.18
330.74	-2.8975	399.1
330.84	-2.9339	397.99
330.94	-2.97	396.85
331.	-2.9916	396.15
331.01	-2.9952	396.04
331.02	-2.9987	395.93
331.05	-3.0095	395.63
331.14	-3.0415	394.94
331.24	-3.0768	394.33
331.34	-3.1119	393.86
331.44	-3.1466	393.5
331.54	-3.1811	393.23
331.64	-3.2153	393.03
331.74	-3.2493	392.9
331.84	-3.283	392.84
331.94	-3.3164	392.82
332.	-3.3363	392.84
332.01	-3.3396	
332.02	-3.3429	
332.05	-3.3529	392.83
332.14	-3.3824	392.73
332.24	-3.415	392.58
332.34	-3.4474	392.41
332.44	-3.4794	392.21
332.54	-3.5112	392.
332.64	-3.5427	391.78
332.74	-3.574	391.55
332.84	-3.605	391.32
332.94	-3.6357	391.09
333.	-3.6541	390.95
333.01	-3.6571	390.93
333.02	-3.6602	390.9
333.05	-3.6693	390.83
333.14	-3.6965	390.61
333.24	-3.7264	390.36
333.34	-3.7561	390.1
333.44	-3.7855	389.84
333.54	-3.8147	389.58
333.64	-3.8436	389.32
333.74	-3.8722	389.06
333.84	-3.9005	388.79
333.94	-3.9286	388.53
334.	-3.9454	388.37
334.01	-3.9482	388.35
334.02	-3.951	388.32
334.05	-3.9593	388.23
334.14	-3.9841	387.97
334.24	-4.0114	387.65
334.34	-4.0384	387.33
334.44	-4.0652	387.
334.54	-4.0917	386.65
334.64	-4.1179	386.31
334.74	-4.1438	385.96
334.84	-4.1695	385.6
334.94	-4.1949	385.24
335.	-4.2101	385.03
335.01	-4.2126	384.99
335.02	-4.2151	384.95

335.05	-4.2227	384.85
335.14	-4.2451	384.56
335.24	-4.2697	384.25
335.34	-4.294	383.95
335.44	-4.3181	383.66
335.54	-4.342	383.37
335.64	-4.3655	383.1
335.74	-4.3889	382.83
335.84	-4.4119	382.56
335.94	-4.4347	382.3
336.	-4.4483	382.15
336.01	-4.4506	382.12
336.02	-4.4528	382.09
336.05	-4.4596	382.02
336.14	-4.4796	381.79
336.24	-4.5016	381.54
336.34	-4.5234	381.29
336.44	-4.5449	381.04
336.54	-4.5662	380.8
336.64	-4.5872	380.56
336.74	-4.608	380.32
336.84	-4.6286	380.08
336.94	-4.6488	379.85
337.	-4.6609	379.71
337.01	-4.6629	379.68
337.02	-4.6649	379.66
337.05	-4.671	379.56
337.14	-4.6888	379.16
337.24	-4.7083	378.63
337.34	-4.7277	378.01
337.44	-4.7467	377.33
337.54	-4.7656	376.6
337.64	-4.7842	375.82
337.74	-4.8025	375.
337.84	-4.8206	374.14
337.94	-4.8385	373.24
338.	-4.8491	372.69
338.01	-4.8509	372.6
338.02	-4.8527	372.52
338.05	-4.858	372.29
338.14	-4.8736	371.79
338.24	-4.8908	371.39
338.34	-4.9077	371.12
338.44	-4.9244	370.95
338.54	-4.9408	370.87
338.64	-4.957	370.85
338.74	-4.973	370.9
338.84	-4.9887	371.
338.94	-5.0043	371.15
339.	-5.0135	371.26
339.01	-5.015	371.27
339.02	-5.0166	371.29
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339.14	-5.0347	371.16
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339.54	-5.0928	369.38
339.64	-5.1067	368.75
339.74	-5.1205	368.06
339.84	-5.134	367.34
339.94	-5.1473	366.56
340.	-5.1552	366.09
340.01	-5.1565	366.01
340.02	-5.1579	365.93
340.05	-5.1618	365.72

340.14	-5.1734	365.13
340.24	-5.1861	364.55
340.34	-5.1985	364.01
340.44	-5.2107	363.5
340.54	-5.2228	363.02
340.64	-5.2346	362.55
340.74	-5.2462	362.11
340.84	-5.2575	361.68
340.94	-5.2687	361.26
341.	-5.2753	361.02
341.01	-5.2764	360.97
341.02	-5.2775	360.93
341.05	-5.2808	360.78
341.14	-5.2904	360.24
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341.64	-5.3407	356.22
341.74	-5.3501	355.28
341.84	-5.3593	354.3
341.94	-5.3683	353.3
342.	-5.3736	352.69
342.01	-5.3745	352.59
342.02	-5.3753	352.49
342.05	-5.378	352.24
342.14	-5.3857	351.67
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342.44	-5.41	350.7
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342.64	-5.4251	350.55
342.74	-5.4324	350.59
342.84	-5.4394	350.69
342.94	-5.4463	350.85
343.	-5.4503	350.96
343.01	-5.451	350.98
343.02	-5.4516	350.99
343.05	-5.4536	351.03
343.14	-5.4594	351.07
343.24	-5.4656	351.05
343.34	-5.4717	351.
343.44	-5.4775	350.92
343.54	-5.4831	350.82
343.64	-5.4886	350.7
343.74	-5.4938	350.58
343.84	-5.4989	350.45
343.94	-5.5037	350.31
344.	-5.5066	350.22
344.01	-5.507	350.21
344.02	-5.5075	350.19
344.05	-5.5089	350.12
344.14	-5.5129	349.81
344.24	-5.5172	349.36
344.34	-5.5213	348.84
344.44	-5.5252	348.25
344.54	-5.5289	347.6
344.64	-5.5325	346.91
344.74	-5.5358	346.17
344.84	-5.5389	345.39
344.94	-5.5418	344.58
345.	-5.5435	344.08
345.01	-5.5438	344.
345.02	-5.5441	343.93
345.05	-5.5449	343.72
345.14	-5.5471	343.3

	-5.5495	342.98
345.34	-5.5516	342.79
345.44	-5.5535	342.7
345.54	-5.5553	342.69
345.64	-5.5568	342.75
345.74	-5.5581	342.88
345.84	-5.5593	343.06
345.94	-5.5602	343.29
346.	-5.5607	343.44
346.01	-5.5608	343.47
346.02	-5.5609	343.48
346.05	-5.5611	343.51
346.14	-5.5616	343.42
346.24	-5.562	343.17
346.34	-5.5622	342.79
346.44		342.32
346.54	-5.562	341.76
346.64	-5.5616	341.15
346.74	-5.5611	340.47
346.84	-5.5603	339.74
346.94	-5.5594	338.97
347.	-5.5588	338.49
347.01	-5.5587	338.41
347.02	-5.5586	338.33
347.05	-5.5583	338.11
347.14	-5.5571	337.55
347.24	-5.5557	336.98
347.34	-5.554	336.47
347.44	-5.5522	335.99
347.54	-5.5502	335.55
347.64	-5.548	335.12
347.74	-5.5456	334.72
347.84	-5.5431	334.33
347.94	-5.5403	333.96
348.	-5.5386	333.74
348.01	-5.5383	333.71
348.02	-5.538	333.67
348.05	-5.5372	333.59
348.14	-5.5344	333.42
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348.64	-5.5162	333.53
348.74	-5.5121	333.69
348.84	-5.5078	333.9
348.94	-5.5033	334.14
349.	-5.5005	334.3
349.01	-5.5001	334.32
349.02	-5.4996	334.34
349.05	-5.4982	334.38
349.14	-5.4939	334.32
349.24	-5.4889	334.11
349.34	-5.4838	333.79
349.44	-5.4785	333.39
349.54	-5.4731	332.91
349.64	-5.4675	332.36
349.74	-5.4618	331.77
349.84	-5.4559	331.12
349.94	-5.4498	330.43
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350.02	-5.4449	329.86
350.05	-5.443	329.67
350.14	-5.4373	329.15
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351.94	-5.2954	
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352.01	-5.2889	
352.02	-5.2879	325.57
352.05	-5.2851	
352.14	-5.2765	325.53
352.24	-5.2669	325.47
352.34	-5.2571	325.39
352.44	-5.2471	325.31
352.54	-5.237	325.21
352.64	-5.2267	325.11
352.74	-5.2163	324.99
352.84	-5.2057	324.87
352.94	-5.195	324.74
353.	-5.1885	324.66
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353.02	-5.1864	324.64
353.05	-5.1831	324.61
353.14	-5.1732	324.58
353.24	-5.162	324.56
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353.64	-5.1158	324.68
353.74	-5.1039	324.74
353.84	-5.0919	324.82
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355.24	-4.9085	325.2
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358.05	-4.4602	326.07
358.14	-4.4442	326.09
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363.94	-3.2335	325.82
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364.94	-2.9955	325.89
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365.14	-2.9471	
365.24	-2.9228	325.91
365.34	-2.8984	
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365.84	-2.7755	
365.94	-2.7508	
366.	-2.7359	
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366.02	-2.7309	325.94
366.05	-2.7235	325.96
366.14	-2.7011	326.08
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366.64	-2.5759	327.28
366.74	-2.5507	327.59
366.84	-2.5254	327.93
366.94	-2.5002	328.28
367.	-2.485	328.5
367.01	-2.4825	328.53
367.02	-2.4799	328.56
367.05	-2.4723	328.63
367.14	-2.4495	328.74
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367.74	-2.2968	328.43
367.84	-2.2712	328.26
367.94	-2.2456	328.06
368.	-2.2302	327.93
368.01	-2.2276	327.92
368.02	-2.2251	327.9
368.05	-2.2174	327.87
368.14	-2.1943	327.81
368.24	-2.1685	327.77
368.34	-2.1428	
368.44	-2.117	327.79
368.54	-2.0911	327.83
368.64	-2.0652	327.88
368.74	-2.0392	327.95
368.84	-2.0133	328.03
368.94	-1.9872	328.12
369.	-1.9716	328.18
369.01	-1.969	328.19
369.02	-1.9663	
369.05	-1.9585	328.21
369.14	-1.935	328.23
369.24	-1.9088	
369.34	-1.8826	328.22
369.44	-1.8563	328.2
369.54	-1.83	328.17
369.64	-1.8037	328.12
369.74	-1.7773	328.07
369.84	-1.7509	328.01
369.94	-1.7245	327.94
370.	-1.7086	327.9
370.01	-1.7059	327.89
370.02	-1.7033	
370.05	-1.6954	327.87
370.14	-1.6715	327.84
370.24	-1.645	327.81
370.34	-1.6184	327.79
370.44	-1.5919	327.77
370.54	-1.5652	327.75
370.64	-1.5386	327.74

370.74	-1.5119	327.73
370.84	-1.4853	327.72
370.94	-1.4585	
371.	-1.4425	327.71
371.01	-1.4398	
371.02	-1.4372	
371.05	-1.4291	327.7
371.14	-1.405	327.66
371.24	-1.3782	327.6
371.34	-1.3514	327.52
371.44	-1.3245	327.44
371.54	-1.2977	327.35
371.64	-1.2708	327.25
371.74	-1.2438	327.15
371.84	-1.2169	327.03
371.94	-1.1899	326.93
372.	-1.1737	326.87
372.01	-1.1709	
372.02	-1.1682	326.86
372.05	-1.1601	326.84
372.14	-1.1358	326.81
372.24	-1.1087	326.85
372.34	-1.0816	326.92
372.44	-1.0545	327.02
372.54	-1.0273	327.14
372.64	-1.0001	327.27
372.74	-0.97294	327.43
372.84	-0.94571	327.6
372.94	-0.91846	327.78
373.	-0.9021	327.9
373.01	-0.89938	327.92
373.02	-0.89665	327.93
373.05	-0.88846	327.96
373.14	-0.8639	328.01
373.24	-0.83658	328.02
373.34	-0.80925	328.
373.44	-0.78191	327.95
373.54	-0.75454	327.89
373.64	-0.72716	327.8
373.74	-0.69976	327.71
373.84	-0.67234	327.59
373.94	-0.6449	327.47
374.	-0.62842	327.39
374.01	-0.62568	327.38
374.02	-0.62293	327.37
374.05	-0.6147	327.35
374.14	-0.58996	327.31
374.24	-0.56246	327.3
374.34	-0.53493	327.31
374.44	-0.50737	327.33
374.54	-0.47979	327.37
374.64	-0.45217	327.42
374.74	-0.42453	327.48
374.84	-0.39685	327.55
374.94	-0.36915	327.63
375.	-0.35252	327.68
375.01	-0.34974	327.69
375.02	-0.34697	
375.05	-0.33865	327.71
375.14	-0.31366	327.76
375.24	-0.28586	327.82
375.34	-0.25804	327.86
375.44	-0.23019	327.91
375.54	-0.20231	327.95
375.64	-0.17441	328.
375.74	-0.14648	328.04

375.84	-0.11854	328.08
375.94	-9.0567e-002	328.12
376.	-7.3778e-002	328.15
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376.14	-3.4571e-002	328.17
376.24	-6.538e-003	328.18
376.34	2.1515e-002	
376.44	4.959e-002	
376.54	7.7685e-002	328.17
376.64	0.1058	328.16
376.74	0.13394	328.14
376.84	0.1621	328.12
376.94	0.19028	328.1
377.	0.2072	328.08
377.01	0.21002	
377.02	0.21284	
377.05	0.22131	328.07
377.14	0.24671	328.05
377.24	0.27496	328.02
377.34	0.30324	327.99
377.44	0.33154	327.96
377.54	0.35987	327.93
377.64	0.38822	327.9
377.74	0.4166	327.87
377.84	0.44501	327.83
377.94	0.47344	327.8
378.	0.4905	327.77
378.01	0.49335	
378.02	0.49619	
378.05	0.50473	327.78
378.14	0.53035	327.83
378.24	0.55885	327.92
378.34	0.58737	328.04
378.44	0.61592	328.17
378.54	0.64447	328.33
378.64	0.67305	328.5
378.74	0.70164	328.68
378.84	0.73024	328.89
378.94	0.75884	329.1
379.	0.77601	329.23
379.01	0.77887	329.25
379.02	0.78174	329.27
379.05	0.79032	329.32
379.14	0.81609	329.41
379.24	0.84472	329.49
379.34	0.87335	329.54
379.44	0.90199	329.57
379.54	0.93062	329.58
379.64	0.95926	
379.74	0.98789	329.57
379.84	1.0165	329.54
379.94	1.0452	329.51
380.	1.0623	329.48
380.01	1.0652	
380.02	1.0681	329.47
380.05	1.0767	
380.14	1.1024	329.45
380.24	1.1311	329.43
380.34	1.1597	329.41
380.44	1.1884	329.39
380.54	1.217	329.37
380.64	1.2457	329.35
380.74	1.2743	329.33
380.84	1.303	329.31

380.94	1.3317	329.29
381.	1.3489	329.28
381.01	1.3518	
381.02	1.3546	
381.05	1.3632	329.27
381.14	1.3891	
381.24	1.4178	
381.34	1.4465	
381.44	1.4752	
381.54	1.504	329.28
381.64	1.5327	329.29
381.74	1.5615	329.3
381.84	1.5903	329.31
381.94	1.619	329.33
382.	1.6363	329.34
382.01	1.6392	
382.02	1.642	
382.05	1.6507	329.35
382.14	1.6766	329.41
382.24	1.7053	329.48
382.34	1.7341	329.56
382.44	1.7629	329.66
382.54	1.7916	329.76
382.64	1.8204	329.88
382.74	1.8491	330.
382.84	1.8779	330.13
382.94	1.9066	330.26
383.	1.9238	330.34
383.01	1.9267	330.36
383.02	1.9296	330.37
383.05	1.9382	330.4
383.14	1.964	330.5
383.24	1.9927	330.59
383.34	2.0214	330.68
383.44	2.0501	330.76
383.54	2.0787	330.84
383.64	2.1073	330.91
383.74	2.136	330.98
383.84	2.1645	331.05
383.94	2.1931	331.12
384.	2.2102	331.16
384.01	2.2131	
384.02	2.216	331.17
384.05	2.2245	331.18
384.14	2.2502	331.2
384.24	2.2787	
384.34	2.3072	
384.44	2.3357	331.18
384.54	2.3642	331.15
384.64	2.3926	331.11
384.74	2.421	331.07
384.84	2.4495	331.02
384.94	2.4779	330.96
385.	2.4949	330.92
385.01	2.4978	
385.02	2.5006	
385.05	2.5091	330.93
385.14	2.5347	331.02
385.24	2.563	331.17
385.34	2.5914	331.37
385.44	2.6197	331.59
385.54	2.6481	331.85
385.64	2.6764	332.13
385.74	2.7047	332.44
385.84	2.7329	332.77
385.94	2.7611	333.12

386.	2.7781	333.34
386.01	2.7809	333.38
386.02	2.7837	333.4
386.05	2.7922	333.48
386.14	2.8175	333.63
386.24	2.8457	333.75
386.34	2.8738	333.83
386.44	2.9018	333.88
386.54	2.9299	333.9
386.64	2.9579	333.89
386.74	2.9858	333.86
386.84	3.0137	333.81
386.94	3.0416	333.74
387.	3.0583	333.69
387.01	3.0611	
387.02	3.0639	333.68
387.05	3.0722	333.66
387.14	3.0972	333.61
387.24	3.125	333.55
387.34	3.1527	333.49
387.44	3.1804	333.43
387.54	3.208	333.37
387.64	3.2357	333.3
387.74	3.2633	333.23
387.84	3.2909	333.15
387.94	3.3185	333.07
388.	3.335	333.02
388.01	3.3378	
388.02	3.3405	333.01
388.05	3.3488	332.99
388.14	3.3736	332.95
388.24	3.4011	332.92
388.34	3.4286	332.89
388.44	3.4561	332.86
388.54	3.4836	332.85
388.64	3.511	332.83
388.74	3.5384	332.82
388.84	3.5659	332.81
388.94	3.5933	
389.	3.6097	
389.01	3.6124	
389.02	3.6152	
389.05	3.6234	332.83
389.14	3.648	332.91
389.24	3.6753	333.02
389.34	3.7026	333.17
389.44	3.7298	333.33
389.54	3.7571	333.52
389.64	3.7843	333.72
389.74	3.8114	333.93
389.84	3.8385	334.16
389.94	3.8656	334.41
390.	3.8818	334.56
390.01	3.8845	334.58
390.02	3.8872	334.6
390.05	3.8953	334.65
390.14	3.9196	334.74
390.24	3.9466	334.79
390.34	3.9734	334.8
390.44	4.0003	334.79
390.54	4.0271	334.75
390.64	4.0538	334.69
390.74	4.0805	334.61
390.84	4.1072	334.51
390.94	4.1338	334.4
391.	4.1498	334.32

391.01	4.1525	334.31
391.02	4.1551	334.3
391.05	4.1631	334.28
391.14	4.187	334.22
391.24	4.2135	334.17
391.34	4.24	334.13
391.44	4.2664	334.1
391.54	4.2929	334.07
391.64	4.3193	334.04
391.74	4.3457	334.02
391.84	4.3721	334.
391.94	4.3984	333.99
392.	4.4142	
392.01	4.4168	333.98
392.02	4.4195	
392.05	4.4274	333.97
392.14	4.4511	333.96
392.24	4.4774	
392.34	4.5037	333.95
392.44	4.5299	333.94
392.54	4.5562	
392.64	4.5824	
392.74	4.6087	333.93
392.84	4.6349	
392.94	4.6611	
393.	4.6768	
393.01	4.6794	
393.02	4.682	333.92
393.05	4.6899	
393.14	4.7134	
393.24	4.7396	
393.34	4.7657	
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393.54	4.8179	
393.64	4.844	
393.74	4.8701	
393.84	4.8961	
393.94	4.9222	333.9
394.	4.9378	
394.01	4.9404	
394.02	4.943	
394.05	4.9508	
394.14	4.9742	
394.24	5.0002	
394.34	5.0262	333.89
394.44	5.0521	
394.54	5.0781	
394.64	5.104	
394.74	5.1299	
394.84	5.1559	
394.94	5.1818	
395.	5.1973	
395.01	5.1999	333.88
395.02	5.2025	
395.05	5.2103	
395.14	5.2336	
395.24	5.2595	
395.34	5.2853	
395.44	5.3112	
395.54	5.3371	333.89
395.64	5.363	
395.74	5.3888	
395.84	5.4147	333.9
395.94	5.4405	
396.	5.4561	
396.01	5.4586	

396.02	5.4612	333.91
396.05	5.469	
396.14	5.4922	
396.24	5.5181	333.92
396.34	5.544	333.93
396.44	5.5698	333.94
396.54	5.5957	333.95
396.64	5.6215	333.96
396.74	5.6474	333.97
396.84	5.6732	
396.94	5.6991	333.99
397.	5.7146	
397.01	5.7172	
397.02	5.7198	
397.05	5.7275	334.
397.14	5.7508	
397.24	5.7767	
397.34	5.8025	334.01
397.44	5.8284	
397.54	5.8543	
397.64	5.8802	
397.74	5.9061	
397.84	5.932	
397.94	5.9579	334.
398.	5.9734	
398.01	5.976	
398.02	5.9786	
398.05	5.9864	
398.14	6.0097	
398.24	6.0356	
398.34	6.0615	
398.44	6.0875	
398.54	6.1134	
398.64	6.1394	
398.74	6.1653	
398.84	6.1913	
398.94	6.2173	
399.	6.2329	
399.01	6.2355	
399.02	6.2381	
399.05	6.2459	
399.14	6.2693	
399.24	6.2953	
399.34	6.3213	334.01
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399.64	6.3994	
399.74	6.4255	334.02
399.84	6.4515	
399.94	6.4776	
400.	6.4933	
400.01	6.4959	
400.02	6.4985	
400.05	6.5063	
400.14	6.5298	333.98
400.24	6.5559	333.93
400.34	6.582	333.87
400.44	6.6082	333.81
400.54	6.6343	333.73
400.64	6.6605	333.65
400.74	6.6867	333.57
400.84	6.7129	333.5
400.94	6.7391	333.44
401.	6.7548	333.41
401.01	6.7574	333.4
401.02	6.7601	

401.05	6.7679	333.38
401.14	6.7916	333.34
401.24	6.8178	333.31
401.34	6.8441	333.29
401.44	6.8704	333.33
401.54	6.8967	333.4
401.64	6.923	333.47
401.74	6.9494	333.56
401.84	6.9757	333.66
401.94	7.0021	333.77
402.	7.0179	333.84
402.01	7.0206	333.85
402.02	7.0232	333.86
402.05	7.0311	333.88
402.14	7.0549	333.92
402.24	7.0813	333.94
402.34	7.1077	333.95
402.44	7.1341	
402.54	7.1605	333.94
402.64	7.187	333.91
402.74	7.2134	333.88
402.84	7.2399	333.85
402.94	7.2664	333.8
403.	7.2822	333.78
403.01	7.2849	333.77
403.02	7.2875	
403.05	7.2955	333.76
403.14	7.3193	333.74
403.24	7.3458	333.72
403.34	7.3723	333.71
403.44	7.3988	333.7
403.54	7.4253	333.69
403.64	7.4518	333.68
403.74	7.4784	
403.84	7.505	333.67
403.94	7.5315	
404.	7.5475	
404.01	7.5501	
404.02	7.5528	
404.05	7.5608	
404.14	7.5847	333.66
404.24	7.6113	
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404.44	7.6646	
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404.64	7.7179	333.63
404.74	7.7446	
404.84	7.7713	333.62
404.94	7.7981	333.61
405.	7.8141	
405.01	7.8168	
405.02	7.8194	
405.05	7.8275	333.6
405.14	7.8515	
405.24	7.8783	333.58
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405.44	7.9318	333.56
405.54	7.9586	333.55
405.64	7.9854	333.53
405.74	8.0122	333.52
405.84	8.0391	333.5
405.94	8.0659	333.49
406.	8.082	333.48
406.01	8.0847	
406.02	8.0874	333.47
406.05	8.0955	

406.14	8.1196	333.45
406.24	8.1465	333.43
406.34	8.1734	333.42
406.44	8.2003	333.4
406.54	8.2272	333.37
406.64	8.2541	333.35
406.74	8.2811	333.33
406.84	8.308	333.31
406.94	8.335	333.29
407.	8.3511	333.27
407.01	8.3538	
407.02	8.3565	
407.05	8.3646	333.26
407.14	8.3889	333.25
407.24	8.4159	333.23
407.34	8.4429	333.21
407.44	8.4699	333.19
407.54	8.4969	333.18
407.64	8.524	333.16
407.74	8.551	333.15
407.84	8.5781	333.13
407.94	8.6052	333.12
408.	8.6214	333.11
408.01	8.6241	
408.02	8.6268	
408.05	8.635	
408.14	8.6593	333.1
408.24	8.6864	333.08
408.34	8.7136	
408.44	8.7407	333.07
408.54	8.7678	333.06
408.64	8.795	333.05
408.74	8.8221	
408.84	8.8493	333.04
408.94	8.8765	
409.	8.8928	
409.01	8.8955	
409.02	8.8982	
409.05	8.9064	
409.14	8.9308	333.03
409.24	8.958	
409.34	8.9853	
409.44	9.0125	333.02
409.54	9.0397	
409.64	9.067	
409.74	9.0942	333.01
409.84	9.1215	
409.94	9.1487	
410.	9.1651	
410.01	9.1678	
410.02	9.1705	333.
410.05	9.1787	
410.14	9.2033	
410.24	9.2306	332.99
410.34	9.2578	332.98
410.44	9.2852	
410.54	9.3125	332.97
410.64	9.3398	332.96
410.74	9.3671	332.95
410.84	9.3944	332.94
410.94	9.4218	332.93
411.	9.4382	332.92
411.01	9.4409	
411.02	9.4437	
411.05	9.4519	332.93
411.14	9.4765	332.94

411.24	9.5039	332.97
411.34	9.5312	333.
411.44	9.5586	333.04
411.54	9.586	333.08
411.64	9.6134	333.13
411.74	9.6408	333.18
411.84	9.6682	333.24
411.94	9.6956	333.3
412.	9.712	333.34
412.01	9.7148	
412.02	9.7175	333.35
412.05	9.7257	333.36
412.14	9.7504	333.37
412.24	9.7778	
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412.44	9.8326	333.33
412.54	9.8601	333.3
412.64	9.8875	333.26
412.74	9.9149	333.22
412.84	9.9423	333.17
412.94	9.9698	333.11
413.	9.9862	333.07
413.01	9.989	
413.02	9.9917	333.06
413.05	9.9999	333.04
413.14	10.025	332.99
413.24	10.052	332.94
413.34	10.08	332.89
413.44	10.107	332.85
413.54	10.134	332.81
413.64	10.162	332.77
413.74	10.189	332.73
413.84	10.217	332.69
413.94	10.244	332.66
414.	10.261	332.64
414.01	10.264	
414.02	10.266	
414.05	10.275	332.63
414.14	10.299	332.6
414.24	10.327	332.57
414.34	10.354	332.55
414.44	10.382	332.52
414.54	10.41	332.5
414.64	10.437	332.47
414.74	10.465	332.44
414.84	10.492	332.42
414.94	10.52	332.39
415.	10.536	332.37
415.01	10.539	
415.02	10.542	332.36
415.05	10.55	
415.14	10.575	332.33
415.24	10.603	332.3
415.34	10.63	332.27
415.44	10.658	332.24
415.54	10.686	332.21
415.64	10.713	332.18
415.74	10.741	332.15
415.84	10.769	332.12
415.94	10.796	332.09
416.	10.813	332.07
416.01	10.816	
416.02	10.819	
416.05	10.827	332.06
416.14	10.852	332.03
416.24	10.879	332.

416.34	10.907	331.97
416.44	10.935	331.95
416.54	10.963	331.92
416.64	10.99	331.9
416.74	11.018	331.88
416.84	11.046	331.9
416.94	11.073	331.96
417.	11.09	332.02
417.01	11.093	
417.02	11.096	332.03
417.05	11.104	332.05
417.14	11.129	332.11
417.24	11.157	332.16
417.34	11.184	332.2
417.44	11.212	332.23
417.54	11.24	332.26
417.64	11.268	332.29
417.74	11.295	332.31
417.84	11.323	332.33
417.94	11.351	332.35
418.	11.367	332.36
418.01	11.37	
418.02	11.373	
418.05	11.381	332.35
418.14	11.406	332.32
418.24	11.434	332.27
418.34	11.461	332.2
418.44	11.489	332.12
418.54	11.517	332.06
418.64	11.545	332.01
418.74	11.572	331.96
418.84	11.6	331.91
418.94	11.628	331.87
419.	11.644	331.84
419.01	11.647	
419.02	11.65	
419.05	11.658	331.83
419.14	11.683	331.8
419.24	11.711	331.77
419.34	11.739	331.74
419.44	11.767	331.72
419.54	11.794	331.7
419.64	11.822	331.67
419.74	11.85	331.65
419.84	11.878	331.63
419.94	11.906	331.6
420.	11.922	331.59
420.01	11.925	
420.02	11.928	
420.05	11.936	331.58
420.14	11.961	331.56
420.24	11.989	331.54
420.34	12.017	331.52
420.44	12.045	331.51
420.54	12.073	331.49
420.64	12.101	331.47
420.74	12.129	331.45
420.84	12.157	331.43
420.94	12.185	331.41
421.	12.201	331.4
421.01	12.204	
421.02	12.207	331.39
421.05	12.215	
421.14	12.24	331.37
421.24	12.268	331.35
421.34	12.296	331.32

421.44	12.324	331.3
421.54	12.352	331.28
421.64	12.38	331.25
421.74	12.408	331.23
421.84	12.436	331.21
421.94	12.464	331.19
422.	12.481	331.18
422.01	12.483	
422.02	12.486	
422.05	12.495	331.17
422.14	12.52	331.15
422.24	12.548	331.14
422.34	12.576	331.12
422.44	12.604	331.1
422.54	12.632	331.09
422.64	12.659	331.07
422.74	12.687	331.05
422.84	12.715	331.03
422.94	12.743	331.01
423.	12.76	331.
423.01	12.763	
423.02	12.766	330.99
423.05	12.774	
423.14	12.799	330.97
423.24	12.827	330.94
423.34	12.855	330.92
423.44	12.883	330.9
423.54	12.911	330.88
423.64	12.939	330.86
423.74	12.967	330.84
423.84	12.995	330.83
423.94	13.023	330.86
424.	13.04	330.9
424.01	13.042	330.91
424.02	13.045	330.92
424.05	13.054	330.93
424.14	13.079	330.95
424.24	13.107	330.96
424.34	13.135	
424.44	13.163	330.95
424.54	13.19	330.92
424.64	13.218	330.89
424.74	13.246	330.86
424.84	13.274	330.84
424.94	13.302	330.82
425.	13.319	330.81
425.01	13.322	330.8
425.02	13.324	
425.05	13.333	
425.14	13.358	330.78
425.24	13.386	330.76
425.34	13.414	330.74
425.44	13.442	330.72
425.54	13.47	330.7
425.64	13.497	330.68
425.74	13.525	330.66
425.84	13.553	330.64
425.94	13.581	330.62
426.	13.598	330.61
426.01	13.601	
426.02	13.604	
426.05	13.612	330.6
426.14	13.637	330.58
426.24	13.665	330.56
426.34	13.693	330.54
426.44	13.721	330.51

426.54	13.749	330.49
426.64	13.777	330.46
426.74	13.805	330.44
426.84	13.832	330.41
426.94	13.86	330.39
427.	13.877	330.38
427.01	13.88	330.37
427.02	13.883	
427.05	13.891	330.36
427.14	13.916	330.34
427.24	13.944	330.32
427.34	13.972	330.3
427.44	14.	330.28
427.54	14.028	330.26
427.64	14.056	330.23
427.74	14.084	330.21
427.84	14.112	330.19
427.94	14.14	330.16
428.	14.156	330.14
428.01	14.159	
428.02	14.162	
428.05	14.17	330.13
428.14	14.195	330.11
428.24	14.223	330.08
428.34	14.251	330.05
428.44	14.279	330.02
428.54	14.307	329.99
428.64	14.335	329.96
428.74	14.363	329.94
428.84	14.391	329.91
428.94	14.419	329.88
429.	14.435	329.87
429.01	14.438	
429.02	14.441	
429.05	14.449	329.86
429.14	14.474	329.84
429.24	14.502	329.82
429.34	14.53	329.8
429.44	14.558	329.77
429.54	14.586	329.75
429.64	14.614	329.73
429.74	14.642	329.71
429.84	14.67	329.69
429.94	14.697	329.66
430.	14.714	329.65
430.01	14.717	
430.02	14.72	
430.05	14.728	329.64
430.14	14.753	329.61
430.24	14.781	329.59
430.34	14.809	329.56
430.44	14.837	329.53
430.54	14.864	329.51
430.64	14.892	329.48
430.74	14.92	329.45
430.84	14.948	329.43
430.94	14.976	329.4
431.	14.993	329.39
431.01	14.995	329.38
431.02	14.998	
431.05	15.006	329.37
431.14	15.031	329.35
431.24	15.059	329.33
431.34	15.087	329.3
431.44	15.115	329.28
431.54	15.143	329.26

431.64	15.171	329.24
431.74	15.198	329.22
431.84	15.226	329.2
431.94	15.254	329.17
432.	15.271	329.16
432.01	15.274	
432.02	15.276	
432.05	15.285	329.15
432.14	15.31	329.13
432.24	15.338	329.11
432.34	15.365	329.09
432.44	15.393	329.07
432.54	15.421	329.05
432.64	15.449	329.03
432.74	15.477	329.01
432.84	15.504	328.99
432.94	15.532	328.97
433.	15.549	328.95
433.01	15.552	
433.02	15.554	
433.05	15.563	328.94
433.14	15.588	328.93
433.24	15.615	328.9
433.34	15.643	328.88
433.44	15.671	328.86
433.54	15.699	328.84
433.64	15.727	328.82
433.74	15.754	328.8
433.84	15.782	328.78
433.94	15.81	328.76
434.	15.826	328.74
434.01	15.829	
434.02	15.832	
434.05	15.84	328.73
434.14	15.865	328.71
434.24	15.893	328.69
434.34	15.921	328.67
434.44	15.948	328.65
434.54	15.976	328.63
434.64	16.004	328.6
434.74	16.032	328.58
434.84	16.059	328.55
434.94	16.087	328.53
435.	16.104	328.51
435.01	16.107	
435.02	16.109	328.5
435.05	16.118	
435.14	16.143	328.47
435.24	16.17	328.44
435.34	16.198	328.41
435.44	16.226	328.38
435.54	16.253	328.34
435.64	16.281	328.31
435.74	16.309	328.28
435.84	16.337	328.24
435.94	16.364	328.21
436.	16.381	328.19
436.01	16.384	
436.02	16.386	328.18
436.05	16.395	328.17
436.14	16.42	328.14
436.24	16.447	328.11
436.34	16.475	328.07
436.44	16.503	328.04
436.54	16.531	328.
436.64	16.558	327.97

436.74	16.586	327.93
436.84	16.614	327.9
436.94	16.641	327.87
437.	16.658	327.85
437.01	16.661	
437.02	16.664	
437.05	16.672	327.84
437.14	16.697	327.81
437.24	16.724	327.78
437.34	16.752	327.75
437.44	16.78	327.72
437.54	16.807	327.69
437.64	16.835	327.66
437.74	16.863	327.63
437.84	16.89	327.6
437.94	16.918	327.57
438.	16.935	327.55
438.01	16.937	
438.02	16.94	
438.05	16.949	327.54
438.14	16.973	327.51
438.24	17.001	327.47
438.34	17.029	327.44
438.44	17.056	327.4
438.54	17.084	327.37
438.64	17.112	327.33
438.74	17.139	327.3
438.84	17.167	327.26
438.94	17.195	327.22
439.	17.211	327.2
439.01	17.214	
439.02	17.217	
439.05	17.225	327.18
439.14	17.25	327.15
439.24	17.277	327.12
439.34	17.305	327.08
439.44	17.333	327.04
439.54	17.36	327.01
439.64	17.388	326.97
439.74	17.416	326.93
439.84	17.443	326.9
439.94	17.471	326.86
440.	17.488	326.84
440.01	17.49	
440.02	17.493	326.83
440.05	17.501	326.82
440.14	17.526	326.79
440.24	17.554	326.75
440.34	17.582	326.71
440.44	17.609	326.67
440.54	17.637	326.64
440.64	17.665	326.6
440.74	17.692	326.56
440.84	17.72	326.52
440.94	17.747	326.48
441.	17.764	326.46
441.01	17.767	326.45
441.02	17.77	
441.05	17.778	326.44
441.14	17.803	326.4
441.24	17.83	326.37
441.34	17.858	326.33
441.44	17.886	326.29
441.54	17.913	326.25
441.64	17.941	326.21
441.74	17.969	326.17

441.84	17.996	326.13
441.94	18.024	326.09
442.	18.041	326.07
442.01	18.043	326.06
442.02	18.046	
442.05	18.055	326.05
442.14	18.079	326.01
442.24	18.107	325.97
442.34	18.135	325.94
442.44	18.162	325.9
442.54	18.19	325.86
442.64	18.218	325.82
442.74	18.246	325.78
442.84	18.273	325.74
442.94	18.301	325.7
443.	18.317	325.68
443.01	18.32	
443.02	18.323	325.67
443.05	18.331	325.66
443.14	18.356	325.62
443.24	18.384	325.59
443.34	18.412	325.55
443.44	18.439	325.51
443.54	18.467	325.47
443.64	18.495	325.43
443.74	18.522	325.39
443.84	18.55	325.36
443.94	18.578	325.32
444.	18.594	325.3
444.01	18.597	325.29
444.02	18.6	
444.05	18.608	325.28
444.14	18.633	325.24
444.24	18.661	325.2
444.34	18.689	325.17
444.44	18.716	325.13
444.54	18.744	325.09
444.64	18.772	325.05
444.74	18.799	325.01
444.84	18.827	324.98
444.94	18.855	324.94
445.	18.871	324.92
445.01	18.874	324.91
445.02	18.877	
445.05	18.885	324.9
445.14	18.91	324.86
445.24	18.938	324.82
445.34	18.966	324.79
445.44	18.993	324.75
445.54	19.021	324.71
445.64	19.037	324.68
445.74	19.032	324.64
445.84	19.028	324.61
445.94	19.024	324.57
446.	19.021	324.55
446.01		
446.02	19.02	324.54
446.05	19.019	324.53
446.14	19.015	324.5
446.24	19.01	324.47
446.34	19.006	324.44
446.44	19.002	324.41
446.54	18.997	324.38
446.64	18.993	324.35
446.74	18.988	324.32
446.84	18.984	324.29

446.94	18.98	324.26
447.	18.977	324.24
447.01	18.976	
447.02		324.23
447.05	18.975	
447.14	18.971	324.2
447.24	18.966	324.17
447.34	18.962	324.14
447.44	18.958	324.11
447.54	18.953	324.08
447.64	18.949	324.05
447.74	18.944	324.03
447.84	18.94	324.
447.94	18.936	323.97
448.	18.933	323.95
448.01		
448.02	18.932	323.94
448.05	18.931	
448.14	18.927	323.91
448.24	18.923	323.88
448.34	18.918	323.85
448.44	18.914	323.82
448.54	18.909	323.79
448.64	18.905	323.76
448.74	18.901	323.73
448.84	18.896	323.7
448.94	18.892	323.67
449.	18.889	323.65
449.01		323.64
449.02		
449.05	18.887	323.63
449.14	18.883	323.6
449.24	18.879	323.57
449.34	18.875	323.53
449.44	18.87	323.5
449.54	18.866	323.46
449.64	18.862	323.43
449.74	18.857	323.39
449.84	18.853	323.35
449.94	18.849	323.32
450.	18.846	323.29
450.01		
450.02	18.845	
450.05	18.844	323.28
450.14	18.84	323.24
450.24	18.836	323.21
450.34	18.832	323.17
450.44	18.828	323.13
450.54	18.823	323.09
450.64	18.819	323.06
450.74	18.815	323.02
450.84	18.811	322.98
450.94	18.806	322.94
451.	18.804	322.92
451.01	18.803	
451.02		322.91
451.05	18.802	322.9
451.14	18.798	322.87
451.24	18.794	322.83
451.34	18.789	322.79
451.44	18.785	322.76
451.54	18.781	322.72
451.64	18.777	322.68
451.74	18.773	322.64
451.84	18.768	322.61
451.94	18.764	322.57

452.	18.762	322.55
452.01	18.761	322.54
452.02		
452.05	18.76	322.53
452.14	18.756	322.49
452.24	18.752	322.46
452.34	18.748	322.42
452.44	18.743	322.38
452.54	18.739	322.34
452.64	18.735	322.31
452.74	18.731	322.27
452.84	18.727	322.23
452.94	18.723	322.19
453.	18.72	322.17
453.01		
453.02	18.719	322.16
453.05	18.718	322.15
453.14	18.715	322.12
453.24	18.71	322.08
453.34	18.706	322.04
453.44	18.702	322.01
453.54	18.698	321.97
453.64	18.694	321.93
453.74	18.69	321.89
453.84	18.686	321.85
453.94	18.682	321.82
454.	18.679	321.79
454.01		
454.02	18.678	
454.05	18.677	321.78
454.14	18.674	321.74
454.24	18.67	321.7
454.34	18.665	321.67
454.44	18.661	321.63
454.54	18.657	321.59
454.64	18.653	321.55
454.74	18.649	321.51
454.84	18.645	321.48
454.94	18.641	321.44
455.	18.639	321.42
455.01	18.638	321.41
455.02		
455.05	18.637	321.4
455.14	18.633	321.36
455.24	18.629	321.33
455.34	18.625	321.29
455.44	18.621	321.25
455.54	18.617	321.21
455.64	18.613	321.18
455.74	18.609	321.14
455.84	18.605	321.1
455.94	18.601	321.06
456.	18.599	321.04
456.01	18.598	
456.02		321.03
456.05	18.597	321.02
456.14	18.593	320.99
456.24	18.589	320.95
456.34	18.585	320.91
456.44	18.581	320.87
456.54	18.577	320.84
456.64	18.573	320.8
456.74	18.569	320.76
456.84	18.565	320.73
456.94	18.562	320.69
457.		

457.01	18.559	320.67
457.02	18.558	320.66
457.05	18.557	320.65
457.14	18.554	320.62
457.24	18.55	320.59
457.34	18.546	320.55
457.44	18.542	320.52
457.54	18.538	320.49
457.64	18.534	320.45
457.74	18.53	320.42
457.84	18.526	320.39
457.94	18.522	320.35
458.	18.52	320.33
458.01		
458.02	18.519	320.32
458.05	18.518	320.31
458.14	18.515	320.28
458.24	18.511	320.25
458.34	18.507	320.21
458.44	18.503	320.18
458.54	18.499	320.14
458.64	18.495	320.1
458.74	18.491	320.07
458.84	18.488	320.03
458.94	18.484	320.
459.	18.481	319.98
459.01		319.97
459.02		
459.05	18.479	319.96
459.14	18.476	319.93
459.24	18.472	319.9
459.34	18.468	319.86
459.44	18.465	319.83
459.54	18.461	319.8
459.64	18.457	319.76
459.74	18.453	319.73
459.84	18.449	319.69
459.94	18.445	319.66
460.	18.443	319.64
460.01		
460.02	18.442	319.63
460.05	18.441	319.62
460.14	18.438	319.59
460.24	18.434	319.56
460.34	18.43	319.52
460.44	18.427	319.48
460.54	18.423	319.45
460.64	18.419	319.41
460.74	18.415	319.38
460.84	18.411	319.34
460.94	18.408	319.31
461.	18.405	319.29
461.01		319.28
461.02		
461.05	18.404	319.27
461.14	18.4	319.24
461.24	18.396	319.2
461.34	18.393	319.17
461.44	18.389	319.14
461.54	18.385	319.1
461.64	18.382	319.07
461.74	18.378	319.03
461.84	18.374	319.
461.94	18.371	318.97
462.	18.368	318.95
462.01		

462.02		318.94
462.05	18.366	318.93
462.14	18.363	318.9
462.24	18.359	318.86
462.34	18.356	318.82
462.44	18.352	318.79
462.54	18.348	318.75
462.64	18.345	318.72
462.74	18.341	318.68
462.84	18.337	318.64
462.94	18.334	318.6
463.	18.332	318.58
463.01	18.331	
463.02		318.57
463.05	18.33	318.56
463.14	18.327	318.53
463.24	18.323	318.49
463.34	18.319	318.46
463.44	18.316	318.42
463.54	18.312	318.38
463.64	18.309	318.35
463.74	18.305	318.31
463.84	18.301	318.27
463.94	18.298	318.24
464.	18.296	318.22
464.01	18.295	318.21
464.02		
464.05	18.294	318.2
464.14	18.291	318.17
464.24	18.287	318.13
464.34	18.283	318.1
464.44	18.28	318.07
464.54	18.276	318.03
464.64	18.273	318.
464.74	18.269	317.96
464.84	18.266	317.93
464.94	18.262	317.9
465.	18.26	317.88
465.01		
465.02	18.259	317.87
465.05	18.258	317.86
465.14	18.255	317.83
465.24	18.252	317.8
465.34	18.248	317.77
465.44	18.245	317.74
465.54	18.241	317.7
465.64	18.238	317.67
465.74	18.234	317.64
465.84	18.231	317.6
465.94	18.227	317.57
466.	18.225	317.55
466.01		
466.02	18.224	317.54
466.05	18.223	317.53
466.14	18.22	317.5
466.24	18.217	317.47
466.34	18.213	317.43
466.44	18.21	317.4
466.54	18.206	317.36
466.64	18.203	317.33
466.74	18.2	317.29
466.84	18.196	317.25
466.94	18.193	317.22
467.	18.191	317.2
467.01	18.19	317.19
467.02		

467.05	18.189	317.18
467.14	18.186	317.15
467.24	18.182	317.11
467.34	18.179	317.08
467.44	18.176	317.04
467.54	18.172	317.
467.64	18.169	316.97
467.74	18.165	316.93
467.84	18.162	316.9
467.94	18.159	316.86
468.	18.157	316.84
468.01	18.156	
468.02		
468.05	18.155	316.83
468.14	18.152	316.8
468.24	18.149	316.77
468.34	18.145	316.74
468.44	18.142	316.71
468.54	18.139	316.68
468.64	18.135	316.65
468.74	18.132	316.62
468.84	18.129	316.59
468.94	18.125	316.56
469.	18.123	316.54
469.01		
469.02		
469.05	18.122	316.53
469.14	18.119	316.5
469.24	18.115	316.47
469.34	18.112	316.44
469.44	18.109	316.41
469.54	18.106	316.38
469.64	18.102	316.35
469.74	18.099	316.32
469.84	18.096	316.29
469.94	18.093	316.26
470.	18.091	316.24
470.01	18.09	
470.02		
470.05	18.089	316.23
470.14	18.086	316.2
470.24	18.083	316.17
470.34	18.08	316.14
470.44	18.076	316.11
470.54	18.073	316.07
470.64	18.07	316.04
470.74	18.067	316.01
470.84	18.063	315.98
470.94	18.06	315.95
471.	18.058	315.93
471.01		
471.02		315.92
471.05	18.057	
471.14	18.054	315.89
471.24	18.051	315.86
471.34	18.047	315.83
471.44	18.044	315.8
471.54	18.041	315.77
471.64	18.038	315.74
471.74	18.035	315.71
471.84	18.032	315.68
471.94	18.028	315.65
472.	18.027	315.63
472.01	18.026	315.62
472.02		
472.05	18.025	315.61

472.14	18.022	315.58
472.24	18.019	315.55
472.34	18.016	315.52
472.44	18.013	315.49
472.54	18.01	315.46
472.64	18.007	315.43
472.74	18.003	315.39
472.84	18.	315.36
472.94	17.997	315.33
473.	17.995	315.31
473.01		
473.02		
473.05	17.994	315.3
473.14	17.991	315.27
473.24	17.988	315.24
473.34	17.985	315.2
473.44	17.982	315.17
473.54	17.979	315.14
473.64	17.976	315.11
473.74	17.973	315.08
473.84	17.97	315.05
473.94	17.967	315.01
474.	17.965	314.99
474.01		
474.02	17.964	
474.05	17.963	314.98
474.14	17.961	314.95
474.24	17.958	314.92
474.34	17.955	314.89
474.44	17.952	314.85
474.54	17.949	314.82
474.64	17.946	314.79
474.74	17.943	314.76
474.84	17.94	314.73
474.94	17.937	314.69
475.	17.935	314.68
475.01		314.67
475.02	17.934	
475.05	17.933	314.66
475.14	17.931	314.63
475.24	17.928	314.6
475.34	17.925	314.57
475.44	17.922	314.53
475.54	17.919	314.5
475.64	17.916	314.47
475.74	17.913	314.44
475.84	17.91	314.4
475.94	17.907	314.37
476.	17.906	314.35
476.01	17.905	
476.02		
476.05	17.904	314.34
476.14	17.901	314.31
476.24	17.899	314.27
476.34	17.896	314.24
476.44	17.893	314.21
476.54	17.89	314.18
476.64	17.887	314.15
476.74	17.884	314.11
476.84	17.881	314.08
476.94	17.878	314.05
477.	17.877	314.03
477.01	17.876	
477.02		314.02
477.05	17.875	314.01
477.14	17.873	313.98

477.24	17.87	313.95
477.34	17.867	313.92
477.44	17.864	313.89
477.54	17.861	313.86
477.64	17.858	313.83
477.74	17.856	313.79
477.84	17.853	313.76
477.94	17.85	313.73
478.	17.848	313.71
478.01		
478.02		
478.05	17.847	313.7
478.14	17.844	313.67
478.24	17.842	313.64
478.34	17.839	313.61
478.44	17.836	313.58
478.54	17.833	313.55
478.64	17.83	313.52
478.74	17.828	313.49
478.84	17.825	313.46
478.94	17.822	313.43
479.	17.82	313.41
479.01		
479.02		313.4
479.05	17.819	313.39
479.14	17.817	313.36
479.24	17.814	313.33
479.34	17.811	313.3
479.44	17.808	313.27
479.54	17.806	313.24
479.64	17.803	313.21
479.74	17.8	313.18
479.84	17.797	313.15
479.94	17.795	313.12
480.	17.793	313.1
480.01		313.09
480.02		
480.05	17.792	313.08
480.14	17.789	313.05
480.24	17.787	313.02
480.34	17.784	312.99
480.44	17.781	312.96
480.54	17.779	312.93
480.64	17.776	312.9
480.74	17.773	312.87
480.84	17.771	312.84
480.94	17.768	312.81
481.	17.766	312.8
481.01		312.79
481.02		
481.05	17.765	312.78
481.14	17.763	312.76
481.24	17.76	312.73
481.34	17.757	312.7
481.44	17.755	312.67
481.54	17.752	312.64
481.64	17.749	312.61
481.74	17.747	312.58
481.84	17.744	312.55
481.94	17.742	312.51
482.	17.74	312.5
482.01		312.49
482.02	17.739	
482.05		312.48
482.14	17.736	312.45
482.24	17.734	312.42

482.34	17.731	312.39
482.44	17.729	312.36
482.54	17.726	312.33
482.64	17.723	312.3
482.74	17.721	312.26
482.84	17.718	312.23
482.94	17.716	312.2
483.	17.714	312.18
483.01		
483.02		
483.05	17.713	312.17
483.14	17.711	312.14
483.24	17.708	312.11
483.34	17.706	312.08
483.44	17.703	312.05
483.54	17.701	312.02
483.64	17.698	311.99
483.74	17.695	311.96
483.84	17.693	311.93
483.94	17.69	311.9
484.	17.689	311.88
484.01		311.87
484.02	17.688	
484.05		311.86
484.14	17.685	311.83
484.24	17.683	311.8
484.34	17.681	311.77
484.44	17.678	311.74
484.54	17.676	311.71
484.64	17.673	311.68
484.74	17.671	311.64
484.84	17.668	311.61
484.94	17.666	311.58
485.	17.664	311.56
485.01		
485.02		
485.05	17.663	311.55
485.14	17.661	311.52
485.24	17.658	311.49
485.34	17.656	311.45
485.44	17.654	311.42
485.54	17.651	311.39
485.64	17.649	311.36
485.74	17.646	311.33
485.84	17.644	311.29
485.94	17.642	311.26
486.	17.64	311.24
486.01		
486.02		
486.05	17.639	311.23
486.14	17.637	311.2
486.24	17.634	311.17
486.34	17.632	311.14
486.44	17.63	311.1
486.54	17.627	311.07
486.64	17.625	311.04
486.74	17.623	311.01
486.84	17.62	310.98
486.94	17.618	310.95
487.	17.616	310.93
487.01		310.92
487.02		
487.05	17.615	310.91
487.14	17.613	310.88
487.24	17.611	310.85
487.34	17.609	310.82

487.44	17.606	310.79
487.54	17.604	310.76
487.64	17.602	310.72
487.74	17.599	310.69
487.84	17.597	310.66
487.94	17.595	310.63
488.	17.593	310.61
488.01		310.6
488.02		
488.05	17.592	310.59
488.14	17.59	310.56
488.24	17.588	310.53
488.34	17.586	310.5
488.44	17.583	310.47
488.54	17.581	310.43
488.64	17.579	310.4
488.74	17.577	310.37
488.84	17.574	310.34
488.94	17.572	310.3
489.	17.571	310.28
489.01		
489.02	17.57	
489.05		310.27
489.14	17.568	310.24
489.24	17.565	310.21
489.34	17.563	310.17
489.44	17.561	310.14
489.54	17.559	310.11
489.64	17.557	310.08
489.74	17.554	310.05
489.84	17.552	310.01
489.94	17.55	309.98
490.	17.549	309.96
490.01	17.548	
490.02		
490.05		309.95
490.14	17.546	309.92
490.24	17.543	309.89
490.34	17.541	309.85
490.44	17.539	309.82
490.54	17.537	309.79
490.64	17.535	309.76
490.74	17.533	309.73
490.84	17.53	309.69
490.94	17.528	309.66
491.	17.527	309.64
491.01		
491.02		
491.05	17.526	309.63
491.14	17.524	309.6
491.24	17.522	309.57
491.34	17.52	309.54
491.44	17.518	309.51
491.54	17.516	309.47
491.64	17.513	309.44
491.74	17.511	309.41
491.84	17.509	309.38
491.94	17.507	309.35
492.	17.506	309.33
492.01		
492.02	17.505	309.32
492.05		309.31
492.14	17.503	309.29
492.24	17.501	309.26
492.34	17.499	309.22
492.44	17.497	309.19

492.54	17.495	309.16
492.64	17.493	309.13
492.74	17.491	309.1
492.84	17.488	309.07
492.94	17.486	309.04
493.	17.485	309.02
493.01		
493.02		
493.05	17.484	309.01
493.14	17.482	308.98
493.24	17.48	308.95
493.34	17.478	308.92
493.44	17.476	308.89
493.54	17.474	308.87
493.64	17.472	308.84
493.74	17.47	308.81
493.84	17.468	308.78
493.94	17.466	308.75
494.	17.465	308.73
494.01		
494.02		308.72
494.05	17.464	
494.14	17.462	308.69
494.24	17.46	308.66
494.34	17.458	308.63
494.44	17.456	308.6
494.54	17.454	308.57
494.64	17.452	308.54
494.74	17.45	308.51
494.84	17.448	308.47
494.94	17.446	308.44
495.	17.445	308.42
495.01		
495.02		
495.05	17.444	308.41
495.14	17.442	308.38
495.24	17.44	308.35
495.34	17.439	308.32
495.44	17.437	308.29
495.54	17.435	308.26
495.64	17.433	308.23
495.74	17.431	308.19
495.84	17.429	308.16
495.94	17.427	308.13
496.	17.426	308.11
496.01		
496.02	17.425	
496.05		308.1
496.14	17.423	308.07
496.24	17.421	308.04
496.34	17.419	308.01
496.44	17.418	307.98
496.54	17.416	307.95
496.64	17.414	307.91
496.74	17.412	307.88
496.84	17.41	307.85
496.94	17.408	307.82
497.	17.407	307.8
497.01		
497.02		307.79
497.05	17.406	307.78
497.14	17.404	307.76
497.24	17.403	307.72
497.34	17.401	307.69
497.44	17.399	307.66
497.54	17.397	307.63

497.64	17.395	307.6
497.74	17.393	307.56
497.84	17.392	307.53
497.94	17.39	307.5
498.	17.389	307.48
498.01		
498.02	17.388	307.47
498.05		307.46
498.14	17.386	307.44
498.24	17.384	307.4
498.34	17.383	307.37
498.44	17.381	307.34
498.54	17.379	307.31
498.64	17.377	307.28
498.74	17.375	307.25
498.84	17.374	307.22
498.94	17.372	307.19
499.	17.371	307.17
499.01		307.16
499.02		
499.05	17.37	307.15
499.14	17.368	307.12
499.24	17.367	307.09
499.34	17.365	307.06
499.44	17.363	307.03
499.54	17.361	307.
499.64	17.36	306.97
499.74	17.358	306.94
499.84	17.356	306.9
499.94	17.355	306.87
500.	17.353	306.85
500.01		
500.02		
500.05		306.84
500.14	17.351	306.81
500.24	17.349	306.78
500.34	17.348	306.75
500.44	17.346	306.72
500.54	17.344	306.69
500.64	17.343	306.66
500.74	17.341	306.62
500.84	17.339	306.59
500.94	17.338	306.56
501.	17.337	306.54
501.01	17.336	
501.02		
501.05		306.53
501.14	17.334	306.5
501.24	17.333	306.47
501.34	17.331	306.44
501.44	17.329	306.41
501.54	17.328	306.38
501.64	17.326	306.34
501.74	17.324	306.31
501.84	17.323	306.28
501.94	17.321	306.25
502.	17.32	306.23
502.01		
502.02		
502.05	17.319	306.22
502.14	17.318	306.19
502.24	17.316	306.16
502.34	17.315	306.13
502.44	17.313	306.09
502.54	17.311	306.06
502.64	17.31	306.03

502.74	17.308	306.
502.84	17.307	305.97
502.94	17.305	305.94
503.	17.304	305.92
503.01		305.91
503.02		
503.05	17.303	305.9
503.14	17.302	305.87
503.24	17.3	305.84
503.34	17.299	305.81
503.44	17.297	305.78
503.54	17.296	305.75
503.64	17.294	305.72
503.74	17.292	305.69
503.84	17.291	305.66
503.94	17.289	305.63
504.	17.288	305.61
504.01		
504.02		305.6
504.05		305.59
504.14	17.286	305.57
504.24	17.285	305.54
504.34	17.283	305.5
504.44	17.282	305.47
504.54	17.28	305.44
504.64	17.279	305.41
504.74	17.277	305.38
504.84	17.276	305.35
504.94	17.274	305.32
505.	17.273	305.3
505.01		
505.02		
505.05	17.272	305.29
505.14	17.271	305.26
505.24	17.27	305.23
505.34	17.268	305.2
505.44	17.267	305.17
505.54	17.265	305.14
505.64	17.264	305.11
505.74	17.262	305.08
505.84	17.261	305.05
505.94	17.259	305.02
506.	17.258	305.
506.01		
506.02		
506.05		304.99
506.14	17.256	304.96
506.24	17.255	304.93
506.34	17.254	304.9
506.44	17.252	304.87
506.54	17.251	304.84
506.64	17.249	304.81
506.74	17.248	304.78
506.84	17.246	304.75
506.94	17.245	304.72
507.	17.244	304.7
507.01		304.69
507.02		
507.05	17.243	304.68
507.14	17.242	304.65
507.24	17.241	304.62
507.34	17.239	304.59
507.44	17.238	304.56
507.54	17.237	304.53
507.64	17.235	304.5
507.74	17.234	304.47

507.84	17.232	304.44
507.94	17.231	304.41
508.	17.23	304.39
508.01		
508.02		
508.05		304.38
508.14	17.228	304.35
508.24	17.227	304.32
508.34	17.226	304.29
508.44	17.224	304.26
508.54	17.223	304.23
508.64	17.222	304.2
508.74	17.22	304.17
508.84	17.219	304.14
508.94	17.218	304.11
509.	17.217	304.09
509.01		
509.02	17.216	
509.05		304.08
509.14	17.215	304.05
509.24	17.214	304.02
509.34	17.212	303.99
509.44	17.211	303.96
509.54	17.21	303.93
509.64	17.208	303.9
509.74	17.207	303.87
509.84	17.206	303.84
509.94	17.204	303.81
510.		303.79
510.01		
510.02	17.203	
510.05		303.78
510.14	17.202	303.75
510.24	17.201	303.72
510.34	17.199	303.69
510.44	17.198	303.66
510.54	17.197	303.63
510.64	17.196	303.6
510.74	17.194	303.57
510.84	17.193	303.54
510.94	17.192	303.51
511.	17.191	303.49
511.01		
511.02		
511.05	17.19	303.48
511.14	17.189	303.45
511.24	17.188	303.42
511.34	17.187	303.39
511.44	17.186	303.36
511.54	17.184	303.33
511.64	17.183	303.3
511.74	17.182	303.27
511.84	17.181	303.24
511.94	17.18	303.21
512.	17.179	303.19
512.01		
512.02		
512.05	17.178	303.18
512.14	17.177	303.15
512.24	17.176	303.12
512.34	17.175	303.09
512.44	17.174	303.06
512.54	17.172	303.03
512.64	17.171	303.
512.74	17.17	302.97
512.84	17.169	302.94

512.94	17.168	302.91
513.	17.167	302.89
513.01		
513.02		
513.05	17.166	302.88
513.14	17.165	302.85
513.24	17.164	302.82
513.34	17.163	302.79
513.44	17.162	302.76
513.54	17.161	302.73
513.64	17.16	302.7
513.74	17.159	302.67
513.84	17.157	302.64
513.94	17.156	302.6
514.		302.59
514.01		302.58
514.02	17.155	
514.05		302.57
514.14	17.154	302.54
514.24	17.153	302.51
514.34	17.152	302.48
514.44	17.151	302.45
514.54	17.15	302.42
514.64	17.149	302.39
514.74	17.148	302.36
514.84	17.146	302.33
514.94	17.145	302.3
515.		302.28
515.01		
515.02	17.144	302.27
515.05		302.26
515.14	17.143	302.24
515.24	17.142	302.21
515.34	17.141	302.17
515.44	17.14	302.14
515.54	17.139	302.11
515.64	17.138	302.08
515.74	17.137	302.05
515.84	17.136	302.02
515.94	17.135	301.99
516.	17.134	301.97
516.01		
516.02		
516.05		301.96
516.14	17.133	301.93
516.24	17.132	301.9
516.34	17.131	301.87
516.44	17.13	301.84
516.54	17.129	301.81
516.64	17.128	301.78
516.74	17.127	301.75
516.84	17.126	301.72
516.94	17.125	301.69
517.	17.124	301.67
517.01		301.66
517.02		
517.05		301.65
517.14	17.123	301.62
517.24	17.122	301.59
517.34	17.121	301.56
517.44	17.12	301.53
517.54	17.119	301.5
517.64	17.118	301.47
517.74	17.117	301.44
517.84	17.116	301.41
517.94	17.115	301.38

518.	17.114	301.36
518.01		
518.02		301.35
518.05		301.34
518.14	17.113	301.32
518.24	17.112	301.29
518.34	17.111	301.26
518.44	17.11	301.22
518.54	17.109	301.19
518.64	17.108	301.16
518.74	17.107	301.13
518.84	17.106	301.1
518.94	17.105	301.07
519.		301.05
519.01		
519.02		
519.05	17.104	301.04
519.14		301.01
519.24	17.103	300.98
519.34	17.102	300.95
519.44	17.101	300.92
519.54	17.1	300.89
519.64	17.099	300.86
519.74	17.098	300.83
519.84	17.097	300.8
519.94	17.096	300.77
520.		300.75
520.01		300.74
520.02		
520.05	17.095	300.73
520.14		300.7
520.24	17.094	300.67
520.34	17.093	300.64
520.44	17.092	300.61
520.54	17.091	300.58
520.64	17.09	300.55
520.74		300.52
520.84	17.089	300.49
520.94	17.088	300.46
521.	17.087	300.44
521.01		300.43
521.02		
521.05		300.42
521.14	17.086	300.39
521.24	17.085	300.36
521.34	17.084	300.33
521.44		300.3
521.54	17.083	300.27
521.64	17.082	300.24
521.74	17.081	300.21
521.84	17.08	300.17
521.94		300.14
522.	17.079	300.12
522.01		
522.02		
522.05		300.11
522.14	17.078	300.08
522.24	17.077	300.05
522.34	17.076	300.02
522.44		299.99
522.54	17.075	299.95
522.64	17.074	299.92
522.74	17.073	299.89
522.84	17.072	299.86
522.94		299.83
523.		

523.01	17.071	299.81
523.02		299.8
523.05		299.79
523.14	17.07	299.77
523.24	17.069	299.73
523.34		299.7
523.44	17.068	299.67
523.54	17.067	299.64
523.64	17.066	299.61
523.74		299.58
523.84	17.065	299.54
523.94	17.064	299.51
524.		299.49
524.01		
524.02		
524.05	17.063	299.48
524.14		299.45
524.24	17.062	299.42
524.34	17.061	299.39
524.44	17.06	299.36
524.54		299.33
524.64	17.059	299.3
524.74	17.058	299.27
524.84		299.23
524.94	17.057	299.2
525.	17.056	299.19
525.01		299.18
525.02		
525.05		299.17
525.14	17.055	299.14
525.24		299.11
525.34	17.054	299.08
525.44	17.053	299.05
525.54		299.02
525.64	17.052	298.99
525.74	17.051	298.96
525.84		298.93
525.94	17.05	298.9
526.		298.88
526.01		
526.02	17.049	
526.05		298.87
526.14		298.84
526.24	17.048	298.81
526.34	17.047	298.78
526.44		298.75
526.54	17.046	298.72
526.64	17.045	298.69
526.74		298.66
526.84	17.044	298.63
526.94	17.043	298.6
527.		298.58
527.01		
527.02		298.57
527.05		298.56
527.14	17.042	298.54
527.24		298.51
527.34	17.041	298.47
527.44	17.04	298.44
527.54		298.41
527.64	17.039	298.38
527.74	17.038	298.35
527.84		298.32
527.94	17.037	298.29
528.		298.27
528.01		

528.02		
528.05		298.26
528.14	17.036	298.23
528.24	17.035	298.2
528.34		298.17
528.44	17.034	298.14
528.54		298.11
528.64	17.033	298.08
528.74		298.04
528.84	17.032	298.01
528.94	17.031	297.98
529.		297.96
529.01		
529.02		
529.05		297.95
529.14	17.03	297.92
529.24		297.89
529.34	17.029	297.86
529.44		297.83
529.54	17.028	297.8
529.64	17.027	297.77
529.74		297.74
529.84	17.026	297.71
529.94		297.68
530.		297.66
530.01	17.025	
530.02		297.65
530.05		297.64
530.14		297.62
530.24	17.024	297.59
530.34		297.56
530.44	17.023	297.53
530.54		297.5
530.64	17.022	297.46
530.74		297.43
530.84	17.021	297.4
530.94		297.37
531.	17.02	297.36
531.01		297.35
531.02		
531.05		297.34
531.14		297.31
531.24	17.019	297.28
531.34		297.25
531.44	17.018	297.22
531.54		297.19
531.64	17.017	297.16
531.74		297.13
531.84	17.016	297.1
531.94		297.07
532.	17.015	297.05
532.01		
532.02		
532.05		297.04
532.14		297.01
532.24	17.014	296.98
532.34		296.95
532.44	17.013	296.92
532.54		296.89
532.64	17.012	296.86
532.74		296.83
532.84		296.8
532.94	17.011	296.77
533.		296.76
533.01		296.75
533.02		

533.05		296.74
533.14	17.01	296.71
533.24		296.68
533.34	17.009	296.66
533.44		296.63
533.54		296.6
533.64	17.008	296.57
533.74		296.54
533.84	17.007	296.51
533.94		296.48
534.		296.46
534.01		
534.02		296.45
534.05	17.006	296.44
534.14		296.42
534.24		296.39
534.34	17.005	296.36
534.44		296.33
534.54	17.004	296.3
534.64		296.27
534.74		296.24
534.84	17.003	296.21
534.94		296.18
535.		296.16
535.01		
535.02		296.15
535.05		296.14
535.14	17.002	296.12
535.24		296.09
535.34	17.001	296.06
535.44		296.03
535.54		296.
535.64	17.	295.97
535.74		295.94
535.84		295.91
535.94	16.999	295.88
536.		295.86
536.01		
536.02		295.85
536.05		
536.14		295.82
536.24	16.998	295.79
536.34		295.76
536.44		295.73
536.54	16.997	295.7
536.64		295.67
536.74		295.64
536.84	16.996	295.61
536.94		295.58
537.		295.56
537.01		
537.02		
537.05		295.55
537.14	16.995	295.52
537.24		295.49
537.34		295.46
537.44		295.43
537.54	16.994	295.41
537.64		295.38
537.74		295.35
537.84	16.993	295.32
537.94		295.29
538.		295.27
538.01		
538.02		295.26
538.05		

538.14		295.23
538.24	16.992	295.2
538.34		295.17
538.44		295.14
538.54	16.991	295.11
538.64		295.08
538.74		295.05
538.84		295.02
538.94	16.99	295.
539.		294.98
539.01		
539.02		294.97
539.05		294.96
539.14		294.94
539.24		294.91
539.34	16.989	294.88
539.44		294.85
539.54		294.82
539.64		294.79
539.74	16.988	294.76
539.84		294.74
539.94		294.71
540.		294.69
540.01		
540.02		294.68
540.05		
540.14		294.65
540.24	16.987	294.62
540.34		294.59
540.44		294.56
540.54		294.53
540.64		294.5
540.74	16.986	294.48
540.84		294.45
540.94		294.42
541.		294.4
541.01		
541.02		294.39
541.05		294.38
541.14		294.36
541.24	16.985	294.33
541.34		294.3
541.44		294.27
541.54		294.24
541.64		294.21
541.74		294.18
541.84	16.984	294.15
541.94		294.12
542.		294.1
542.01		294.09
542.02		
542.05		294.08
542.14		294.06
542.24		294.02
542.34		293.99
542.44		293.96
542.54	16.983	293.93
542.64		293.9
542.74		293.87
542.84		293.84
542.94		293.81
543.		293.8
543.01		293.79
543.02		
543.05		293.78
543.14		293.75

543.24		293.72
543.34		293.69
543.44		293.66
543.54		293.63
543.64		293.6
543.74		293.57
543.84	16.982	293.54
543.94		293.51
544.		293.5
544.01		293.49
544.02		
544.05		293.48
544.14		293.45
544.24		293.42
544.34		293.39
544.44		293.36
544.54		293.33
544.64		293.3
544.74		293.27
544.84		293.24
544.94		293.21
545.		293.2
545.01	16.981	293.19
545.02		
545.05		293.18
545.14		293.15
545.24		293.12
545.34		293.09
545.44		293.06
545.54		293.03
545.64		293.
545.74		292.97
545.84		292.94
545.94		292.91
546.		292.9
546.01		292.89
546.02		
546.05		292.88
546.14		292.85
546.24		292.82
546.34		292.8
546.44		292.77
546.54		292.74
546.64		292.71
546.74		292.68
546.84		292.65
546.94		292.62
547.		292.6
547.01		
547.02	16.98	292.59
547.05		
547.14		292.56
547.24		292.53
547.34		292.5
547.44		292.47
547.54		292.44
547.64		292.41
547.74		292.38
547.84		292.35
547.94		292.32
548.		292.31
548.01		292.3
548.02		
548.05		292.29
548.14		292.27
548.24		292.24

548.34		292.21
548.44		292.18
548.54		292.15
548.64		292.12
548.74	16.981	292.09
548.84		292.06
548.94		292.03
549.		292.01
549.01		
549.02		
549.05		292.
549.14		291.97
549.24		291.94
549.34		291.91
549.44		291.89
549.54		291.86
549.64		291.83
549.74		291.8
549.84		291.77
549.94		291.74
550.		291.72
550.01		
550.02		
550.05		291.71
550.14		291.68
550.24		291.65
550.34	16.982	291.63
550.44		291.6
550.54		291.57
550.64		291.54
550.74		291.51
550.84		291.48
550.94		291.45
551.		291.44
551.01		291.43
551.02		
551.05		291.42
551.14		291.39
551.24		291.37
551.34		291.34
551.44	16.983	291.31
551.54		291.28
551.64		291.25
551.74		291.22
551.84		291.19
551.94		291.16
552.		291.15
552.01		291.14
552.02		
552.05		291.13
552.14		291.1
552.24	16.984	291.08
552.34		291.05
552.44		291.02
552.54		290.99
552.64		290.96
552.74		290.93
552.84		290.9
552.94	16.985	290.87
553.		290.86
553.01		290.85
553.02		
553.05		290.84
553.14		290.82
553.24		290.79
553.34		290.76

553.44		290.73
553.54	16.986	290.7
553.64		290.67
553.74		290.64
553.84		290.61
553.94		290.59
554.		290.57
554.01		
554.02		290.56
554.05		290.55
554.14	16.987	290.53
554.24		290.5
554.34		290.47
554.44		290.44
554.54		290.41
554.64	16.988	290.39
554.74		290.36
554.84		290.33
554.94		290.3
555.		290.28
555.01		
555.02		
555.05		290.27
555.14	16.989	290.24
555.24		290.21
555.34		290.18
555.44		290.16
555.54		290.13
555.64	16.99	290.1
555.74		290.07
555.84		290.04
555.94		290.01
556.		290.
556.01		289.99
556.02		
556.05	16.991	289.98
556.14		289.96
556.24		289.93
556.34		289.9
556.44		289.87
556.54	16.992	289.85
556.64		289.82
556.74		289.79
556.84		289.76
556.94	16.993	289.74
557.		289.72
557.01		
557.02		289.71
557.05		
557.14		289.68
557.24		289.65
557.34	16.994	289.63
557.44		289.6
557.54		289.57
557.64	16.995	289.54
557.74		289.52
557.84		289.49
557.94		289.46
558.	16.996	289.45
558.01		289.44
558.02		
558.05		289.43
558.14		289.41
558.24		289.38
558.34		289.35
558.44		289.33

558.54	16.997	289.3
558.64		289.27
558.74	16.998	289.24
558.84		289.22
558.94		289.19
559.		289.17
559.01	16.999	
559.02		
559.05		289.16
559.14		289.13
559.24		289.11
559.34	17.	289.08
559.44		289.05
559.54		289.03
559.64	17.001	289.
559.74		288.97
559.84		288.94
559.94		288.92
560.	17.002	288.9
560.4	17.003	288.79
560.8	17.004	288.68
562.	17.009	288.36
565.6	17.026	287.39
569.6	17.049	286.33
573.6	17.075	285.27
577.6	17.105	284.22
581.6	17.137	283.18
585.6	17.173	282.15
589.6	17.211	281.12
593.6	17.252	280.1
597.6	17.295	279.09
600.	17.322	278.48
606.	17.394	276.99
612.	17.47	275.53
630.	17.729	271.36
684.	18.399	259.64
738.	19.402	248.77
798.	20.555	237.64
858.	21.478	227.39
918.	22.25	217.84
978.		208.96
1038.		200.65
1098.		192.86
1158.		185.55
1200.		180.65
1212.		179.27
1224.		177.9
1260.		173.94
1296.		170.12
1404.		159.72
1512.		150.25
1632.		140.71
1752.		136.24
1872.		133.65
1992.		130.95
2112.		129.87
2232.		128.56
2352.		126.94
2400.		126.21
2412.		126.03
2424.		125.84
2460.		125.32
2568.		123.5
2676.		121.56
2796.		119.33
2916.		117.04

3036.	22.225	114.7
3156.	22.141	112.34
3276.	22.067	110.02
3396.	22.001	107.79
3516.	21.943	105.62
3600.	21.907	104.13
3612.	21.902	103.92
3624.	21.896	103.7
3660.	21.879	103.08
3768.	21.842	101.21
3876.	21.807	99.367
3996.	21.773	97.353
4116.	21.743	95.37
4236.	21.717	93.417
4356.	21.694	91.5
4476.	21.675	89.616
4596.	21.658	87.768
4716.	21.644	85.955
4800.	21.635	84.705
4812.	21.634	84.527
4824.	21.633	84.348
4860.	21.628	83.817
4968.	21.621	82.257
5076.	21.614	80.728
5196.	21.607	79.068
5316.	21.602	77.445
5436.	21.598	75.86
5556.	21.596	74.316
5676.	21.594	72.809
5796.		71.339
5916.		69.905
6000.		68.922
6012.		68.782
6024.		68.642
6060.		68.225
6168.	21.596	67.006
6276.	21.598	65.816
6396.	21.601	64.528
6516.	21.605	63.274
6636.	21.608	62.057
6756.	21.612	60.871
6876.	21.617	59.718
6996.	21.621	58.596
7116.	21.626	57.504
7200.	21.63	56.757

FIGURE 20
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum Content T

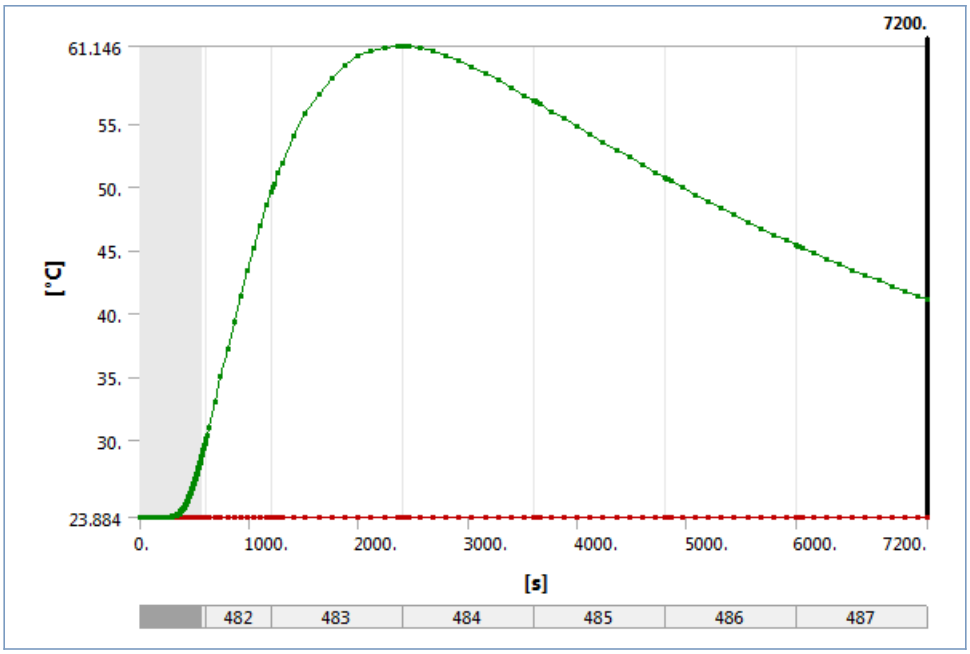

TABLE 28
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		

6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48
10.68
10.88
11.08
11.28
11.48
11.68
11.88
12.
12.02
12.04
12.1
12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68
13.88
14.
14.02
14.04
14.1
14.22
14.33
14.441
14.641
14.841
15.041
15.241
15.441
15.641
15.841

16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.87
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68
23.861
24.
24.02
24.04
24.1
24.28
24.48
24.68
24.88
25.08
25.28
25.48
25.68
25.88
26.

26.04
26.1
26.224
26.424
26.615
26.805
27.005
27.205
27.405
27.605
27.805
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.28
30.48
30.68
30.88
31.08
31.28
31.48
31.68
31.88
32.
32.02
32.04
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391.	24.534
391.01	
391.02	
391.05	
391.14	24.535
391.24	24.537
391.34	24.538
391.44	24.539
391.54	24.541
391.64	24.542
391.74	24.543

391.84	24.544
391.94	24.546
392.	24.547
392.01	
392.02	
392.05	
392.14	24.548
392.24	24.55
392.34	24.551
392.44	24.552
392.54	24.554
392.64	24.555
392.74	24.556
392.84	24.558
392.94	24.559
393.	24.56
393.01	
393.02	
393.05	
393.14	24.562
393.24	24.563
393.34	24.564
393.44	24.566
393.54	24.567
393.64	24.568
393.74	24.569
393.84	24.571
393.94	24.572
394.	24.573
394.01	
394.02	
394.05	24.574
394.14	24.575
394.24	24.576
394.34	24.578
394.44	24.579
394.54	24.58
394.64	24.582
394.74	24.583
394.84	24.584
394.94	24.586
395.	24.587
395.01	
395.02	
395.05	
395.14	24.588
395.24	24.59
395.34	24.591
395.44	24.592
395.54	24.594
395.64	24.595
395.74	24.596
395.84	24.598
395.94	24.599
396.	24.6
396.01	
396.02	
396.05	24.601
396.14	24.602
396.24	24.603
396.34	24.605
396.44	24.606
396.54	24.607
396.64	24.609
396.74	24.61
396.84	24.612

396.94	24.613
397.	24.614
397.01	
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397.05	
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397.94	24.627
398.	24.628
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398.02	
398.05	
398.14	24.63
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398.44	24.634
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398.64	24.637
398.74	24.638
398.84	24.639
398.94	24.641
399.	24.642
399.01	
399.02	
399.05	
399.14	24.644
399.24	24.645
399.34	24.647

	23.884	
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399.64		24.651
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399.84		24.654
399.94		24.655
400.		24.656
400.01		
400.02		
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400.24		24.659
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400.44		24.662
400.54		24.664
400.64		24.665
400.74		24.667
400.84		24.668
400.94		24.669
401.		24.67
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401.05		
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401.34		24.675
401.44		24.677
401.54		24.678
401.64		24.68
401.74		24.681
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401.94		24.684
402.	23.885	24.685
402.01		
402.02		
402.05		24.686
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402.84		24.697
402.94		24.699
403.		24.7
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403.05		
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404.05		
404.14		24.716
404.24		24.718
404.34		24.719

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404.64	24.724
404.74	24.725
404.84	24.727
404.94	24.728
405.	24.729
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405.02	24.73
405.05	
405.14	24.731
405.24	24.733
405.34	24.734
405.44	24.736
405.54	24.737
405.64	24.739
405.74	24.741
405.84	24.742
405.94	24.744
406.	
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406.02	
406.05	
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406.44	24.751
406.54	24.753
406.64	24.754
406.74	24.756
406.84	24.757
406.94	24.759
407.	24.76
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407.02	
407.05	24.761
407.14	24.762
407.24	24.763
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407.44	24.767
407.54	24.768
407.64	24.77
407.74	24.771
407.84	24.773
407.94	24.774
408.	24.775
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408.02	24.776
408.05	
408.14	24.777
408.24	24.779
408.34	24.781
408.44	24.782
408.54	24.784
408.64	24.785
408.74	24.787
408.84	24.788
408.94	24.79
409.	24.791
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409.02	
409.05	24.792
409.14	24.793
409.24	24.795
409.34	24.796
409.44	24.798

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409.94		24.806
410.		24.807
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410.02		
410.05		
410.14		24.809
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410.34		24.812
410.44		24.814
410.54		24.815
410.64		24.817
410.74		24.818
410.84		24.82
410.94		24.822
411.		24.823
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411.02		
411.05		
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411.24		24.826
411.34	23.886	24.828
411.44		24.83
411.54		24.831
411.64		24.833
411.74		24.834
411.84		24.836
411.94		24.838
412.		24.839
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412.02		
412.05		
412.14		24.841
412.24		24.842
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412.44		24.846
412.54		24.847
412.64		24.849
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412.84		24.852
412.94		24.854
413.		24.855
413.01		
413.02		
413.05		24.856
413.14		24.857
413.24		24.859
413.34		24.86
413.44		24.862
413.54		24.864
413.64		24.865
413.74		24.867
413.84		24.869
413.94		24.87
414.		24.871
414.01		
414.02		24.872
414.05		
414.14		24.874
414.24		24.875
414.34		24.877
414.44		24.878
414.54		24.88

414.64		24.882
414.74		24.883
414.84		24.885
414.94		24.887
415.		24.888
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415.02		
415.05		24.889
415.14		24.89
415.24		24.892
415.34		24.893
415.44		24.895
415.54		24.897
415.64		24.898
415.74		24.9
415.84		24.902
415.94		24.903
416.		24.904
416.01		24.905
416.02	23.887	
416.05		
416.14		24.907
416.24		24.908
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416.94		24.92
417.		24.921
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417.05		
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417.44		24.929
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417.64		24.932
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417.84		24.936
417.94		24.937
418.		24.938
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418.34		24.944
418.44		24.946
418.54		24.948
418.64	23.888	24.949
418.74		24.951
418.84		24.953
418.94		24.954
419.		24.955
419.01		24.956
419.02		
419.05		
419.14		24.958
419.24		24.96
419.34		24.961
419.44		24.963
419.54		24.965
419.64		24.966

419.74	24.968
419.84	24.97
419.94	24.972
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420.02	
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420.24	24.977
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420.54	24.982
420.64	24.984
420.74	24.986
420.84	24.987
420.94	24.989
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421.34	24.996
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421.84	25.005
421.94	25.007
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422.02	
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422.24	25.012
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422.44	25.016
422.54	25.017
422.64	25.019
422.74	25.021
422.84	25.023
422.94	25.024
423.	25.025
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423.05	
423.14	25.028
423.24	25.03
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423.94	25.042
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424.05	
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424.24	25.048
424.34	25.049
424.44	25.051
424.54	25.053
424.64	25.055
424.74	25.057

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424.94	25.06
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425.05	
425.14	25.064
425.24	25.066
425.34	25.068
425.44	25.069
425.54	25.071
425.64	25.073
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425.84	25.077
425.94	25.078
426.	25.08
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426.24	25.084
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426.64	25.091
426.74	25.093
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426.94	25.097
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427.02	
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427.14	25.101
427.24	25.102
427.34	25.104
427.44	25.106
427.54	25.108
427.64	25.11
427.74	25.112
427.84	25.113
427.94	25.115
428.	25.116
428.01	25.117
428.02	
428.05	
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428.34	25.123
428.44	25.125
428.54	25.126
428.64	25.128
428.74	25.13
428.84	25.132
428.94	25.134
429.	25.135
429.01	
429.02	
429.05	25.136
429.14	25.138
429.24	25.14
429.34	25.141
429.44	25.143
429.54	25.145
429.64	25.147
429.74	25.149
429.84	25.151

429.94	25.153
430.	25.154
430.01	
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430.05	25.155
430.14	25.156
430.24	25.158
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430.64	25.166
430.74	25.168
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430.94	25.172
431.	25.173
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431.02	
431.05	25.174
431.14	25.175
431.24	25.177
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431.44	25.181
431.54	25.183
431.64	25.185
431.74	25.187
431.84	25.189
431.94	25.191
432.	25.192
432.01	
432.02	
432.05	25.193
432.14	25.194
432.24	25.196
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432.54	25.202
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432.74	25.206
432.84	25.208
432.94	25.21
433.	25.211
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433.02	
433.05	25.212
433.14	25.214
433.24	25.216
433.34	25.218
433.44	25.22
433.54	25.221
433.64	25.223
433.74	25.225
433.84	25.227
433.94	25.229
434.	25.23
434.01	25.231
434.02	
434.05	
434.14	25.233
434.24	25.235
434.34	25.237
434.44	25.239
434.54	25.241
434.64	25.243
434.74	25.245
434.84	25.247
434.94	25.249

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435.02	
435.05	25.251
435.14	25.253
435.24	25.255
435.34	25.257
435.44	25.259
435.54	25.26
435.64	25.262
435.74	25.264
435.84	25.266
435.94	25.268
436.	
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436.02	
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436.14	25.272
436.24	25.274
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436.54	25.28
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436.74	25.284
436.84	25.286
436.94	25.288
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437.02	25.29
437.05	
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437.24	25.294
437.34	25.296
437.44	25.298
437.54	25.3

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444.64	25.445
444.74	25.447
444.84	25.449
444.94	25.452
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445.05	25.454
445.14	25.456
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445.54	25.464
445.64	25.466
445.74	25.468
445.84	25.47
445.94	25.473
446.	25.474
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446.02	
446.05	25.475
446.14	25.477
446.24	25.479
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446.64	25.487
446.74	25.489
446.84	25.492
446.94	25.494
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447.02	
447.05	25.496
447.14	25.498
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447.44	25.504
447.54	25.506
447.64	25.509

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447.84	25.513
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448.54	25.528
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448.74	25.532
448.84	25.534
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449.01	
449.02	
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449.64	25.552
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449.84	25.556
449.94	25.558
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450.02	
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450.64	25.573
450.74	25.575
450.84	25.578
450.94	25.58
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452.64	25.617
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456.02	
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456.84	25.711
456.94	25.713
457.	25.714
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457.02	25.715
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457.14	25.717
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457.64	25.729
457.74	25.731
457.84	25.733

457.94	25.736
458.	25.737
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459.54	25.772
459.64	25.774
459.74	25.777
459.84	25.779
459.94	25.781
460.	25.783
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460.02	
460.05	25.784
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461.54	25.818
461.64	25.82
461.74	25.823
461.84	25.825
461.94	25.827
462.	25.829
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462.02	
462.05	25.83
462.14	25.832
462.24	25.834
462.34	25.837
462.44	25.839
462.54	25.841
462.64	25.844
462.74	25.846
462.84	25.848
462.94	25.851

463.	
463.01	25.852
463.02	
463.05	25.853
463.14	25.855
463.24	25.858
463.34	25.86
463.44	25.862
463.54	25.865
463.64	25.867
463.74	25.869
463.84	25.872
463.94	25.874
464.	25.875
464.01	25.876
464.02	
464.05	25.877
464.14	25.879
464.24	25.881
464.34	25.883
464.44	25.886
464.54	25.888
464.64	25.89
464.74	25.893
464.84	25.895
464.94	25.898
465.	
465.01	25.899
465.02	
465.05	25.9
465.14	25.902
465.24	25.905
465.34	25.907
465.44	25.909
465.54	25.912
465.64	25.914
465.74	25.916
465.84	25.919
465.94	25.921
466.	
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466.02	
466.05	25.924
466.14	25.926
466.24	25.928
466.34	25.931
466.44	25.933
466.54	25.935
466.64	25.938
466.74	25.94
466.84	25.943
466.94	25.945
467.	25.946
467.01	25.947
467.02	
467.05	25.948
467.14	25.95
467.24	25.952
467.34	25.954
467.44	25.957
467.54	25.959
467.64	25.962
467.74	25.964
467.84	25.966
467.94	25.969
468.	

468.01	25.97
468.02	25.971
468.05	
468.14	25.974
468.24	25.976
468.34	25.978
468.44	25.981
468.54	25.983
468.64	25.986
468.74	25.988
468.84	25.99
468.94	25.993
469.	25.994
469.01	
469.02	25.995
469.05	
469.14	25.998
469.24	26.
469.34	26.002
469.44	26.005
469.54	26.007
469.64	26.01
469.74	26.012
469.84	26.015
469.94	26.017
470.	26.018
470.01	26.019
470.02	
470.05	26.02
470.14	26.022
470.24	26.024
470.34	26.027
470.44	26.029
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470.74	26.036
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470.94	26.041
471.	26.043
471.01	
471.02	
471.05	26.044
471.14	26.046
471.24	26.048
471.34	26.051
471.44	26.053
471.54	26.056
471.64	26.058
471.74	26.061

	23.888	
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471.94		26.066
472.		26.067
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472.02		26.068
472.05		
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472.54		26.08
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472.74		26.085
472.84		26.088
472.94		26.09
473.		26.092
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473.05		26.093
473.14		26.095
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473.34		26.1
473.44		26.102
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473.64		26.107
473.74		26.11
473.84		26.112
473.94		26.115
474.		26.116
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474.02		26.117
474.05		
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474.44		26.127
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474.64		26.132
474.74		26.134
474.84		26.137
474.94		26.139
475.		26.141
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475.02		
475.05		26.142
475.14		26.144
475.24		26.147
475.34		26.149
475.44		26.152
475.54		26.154
475.64		26.157
475.74		26.159
475.84		26.162
475.94		26.164
476.		26.166
476.01		
476.02		
476.05		26.167
476.14		26.169
476.24		26.172
476.34		26.174
476.44		26.177
476.54		26.179
476.64		26.182
476.74		26.184

476.84	26.187
476.94	26.189
477.	26.191
477.01	
477.02	
477.05	26.192
477.14	26.194
477.24	26.197
477.34	26.199
477.44	26.202
477.54	26.204
477.64	26.207
477.74	26.209
477.84	26.212
477.94	26.214
478.	26.216
478.01	
478.02	
478.05	26.217
478.14	26.219
478.24	26.222
478.34	26.224
478.44	26.227
478.54	26.229
478.64	26.232
478.74	26.234
478.84	26.237
478.94	26.239
479.	26.241
479.01	
479.02	
479.05	26.242
479.14	26.244
479.24	26.247
479.34	26.249
479.44	26.252
479.54	26.255
479.64	26.257
479.74	26.26
479.84	26.262
479.94	26.265
480.	26.266
480.01	
480.02	26.267
480.05	
480.14	26.27
480.24	26.272
480.34	26.275
480.44	26.277
480.54	26.28
480.64	26.282
480.74	26.285
480.84	26.288
480.94	26.29
481.	26.292
481.01	
481.02	
481.05	26.293
481.14	26.295
481.24	26.298
481.34	26.3
481.44	26.303
481.54	26.305
481.64	26.308
481.74	26.31
481.84	26.313

481.94	26.316
482.	26.317
482.01	
482.02	26.318
482.05	
482.14	26.321
482.24	26.323
482.34	26.326
482.44	26.328
482.54	26.331
482.64	26.334
482.74	26.336
482.84	26.339
482.94	26.341
483.	26.343
483.01	
483.02	
483.05	26.344
483.14	26.346
483.24	26.349
483.34	26.352
483.44	26.354
483.54	26.357
483.64	26.359
483.74	26.362
483.84	26.364
483.94	26.367
484.	26.369
484.01	
484.02	
484.05	26.37
484.14	26.372
484.24	26.375
484.34	26.377
484.44	26.38
484.54	26.382
484.64	26.385
484.74	26.388
484.84	26.39
484.94	26.393
485.	26.394
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485.02	
485.05	26.396
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485.24	26.401
485.34	26.403
485.44	26.406
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485.74	26.414
485.84	26.416
485.94	26.419
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486.02	
486.05	26.422
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486.24	26.427
486.34	26.429
486.44	26.432
486.54	26.434
486.64	26.437
486.74	26.44
486.84	26.442
486.94	26.445

487.	26.446
487.01	26.447
487.02	
487.05	26.448
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487.24	26.453
487.34	26.455
487.44	26.458
487.54	26.461
487.64	26.463
487.74	26.466
487.84	26.468
487.94	26.471
488.	26.473
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488.05	26.474
488.14	26.476
488.24	26.479
488.34	26.482
488.44	26.484
488.54	26.487
488.64	26.489
488.74	26.492
488.84	26.495
488.94	26.497
489.	26.499
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489.02	
489.05	26.5
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489.24	26.505
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489.44	26.51
489.54	26.513
489.64	26.516
489.74	26.518
489.84	26.521
489.94	26.524
490.	26.525
490.01	26.526
490.02	
490.05	26.527
490.14	26.529
490.24	26.532
490.34	26.534
490.44	26.537
490.54	26.54
490.64	26.542
490.74	26.545
490.84	26.548
490.94	26.55
491.	26.552
491.01	
491.02	
491.05	26.553
491.14	26.555
491.24	26.558
491.34	26.561
491.44	26.563
491.54	26.566
491.64	26.569
491.74	26.571
491.84	26.574
491.94	26.577
492.	26.578

492.01	26.579
492.02	
492.05	26.58
492.14	26.582
492.24	26.585
492.34	26.587
492.44	26.59
492.54	26.593
492.64	26.595
492.74	26.598
492.84	26.601
492.94	26.603
493.	26.605
493.01	
493.02	26.606
493.05	
493.14	26.609
493.24	26.612
493.34	26.614
493.44	26.617
493.54	26.62
493.64	26.622
493.74	26.625
493.84	26.628
493.94	26.63
494.	26.632
494.01	
494.02	
494.05	26.633
494.14	26.636
494.24	26.638
494.34	26.641
494.44	26.644
494.54	26.646
494.64	26.649
494.74	26.652
494.84	26.655
494.94	26.657
495.	26.659
495.01	
495.02	
495.05	26.66
495.14	26.663
495.24	26.665
495.34	26.668
495.44	26.671
495.54	26.673
495.64	26.676
495.74	26.679
495.84	26.682
495.94	26.684
496.	26.686
496.01	
496.02	
496.05	26.687
496.14	26.69
496.24	26.692
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496.44	26.698
496.54	26.7
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496.84	26.709
496.94	26.711
497.	26.713
497.01	

497.02	26.714
497.05	
497.14	26.717
497.24	26.719
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497.44	26.725
497.54	26.728
497.64	26.73
497.74	26.733
497.84	26.736
497.94	26.739
498.	26.74
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498.02	26.741
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498.14	26.744
498.24	26.747
498.34	26.749
498.44	26.752
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498.64	26.758
498.74	26.76
498.84	26.763
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499.01	
499.02	
499.05	26.769
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499.34	26.777
499.44	26.78
499.54	26.782
499.64	26.785
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500.02	
500.05	26.796
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501.	26.822
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501.02	
501.05	26.824
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501.24	26.829
501.34	26.832
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501.64	26.84
501.74	26.843
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502.01	
502.02	

502.05	26.851
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502.64	26.868
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502.94	26.876
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503.02	
503.05	26.879
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503.74	26.898
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504.01	26.906
504.02	
504.05	26.907
504.14	26.91
504.24	26.912
504.34	26.915
504.44	26.918
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504.64	26.923
504.74	26.926
504.84	26.929
504.94	26.932
505.	
505.01	26.934
505.02	
505.05	26.935
505.14	26.937
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505.34	26.943
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505.64	26.951
505.74	26.954
505.84	26.957
505.94	26.96
506.	
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506.02	
506.05	26.963
506.14	26.965
506.24	26.968
506.34	26.971
506.44	26.974
506.54	26.977
506.64	26.98
506.74	26.982
506.84	26.985
506.94	26.988
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507.02	
507.05	26.991

507.14	26.994
507.24	26.996
507.34	26.999
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507.54	27.005
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507.84	27.013
507.94	27.016
508.	27.018
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508.02	
508.05	27.019
508.14	27.022
508.24	27.025
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510.94	27.101
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511.74	27.124
511.84	27.127
511.94	27.13
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512.01	
512.02	
512.05	27.133
512.14	27.136

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512.74	27.153
512.84	27.156
512.94	27.159
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513.01	27.161
513.02	
513.05	27.162
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513.24	27.167
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513.44	27.173
513.54	27.176
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513.74	27.182
513.84	27.184
513.94	27.187
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514.05	
514.14	27.193
514.24	27.196
514.34	27.199
514.44	27.202
514.54	27.205
514.64	27.207
514.74	27.21
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515.02	
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515.74	27.239
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516.74	27.268
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516.94	27.274
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517.02	
517.05	27.277
517.14	27.28
517.24	27.283

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517.54	27.292
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517.74	27.297
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518.05	
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518.64	27.324
518.74	27.327
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518.94	27.332
519.	27.334
519.01	
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519.05	27.336
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519.44	27.347
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519.74	27.356
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519.94	27.362
520.	27.363
520.01	27.364
520.02	
520.05	27.365
520.14	27.368
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520.74	27.385
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520.94	27.391
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522.05	27.424
522.14	27.426
522.24	27.429
522.34	27.432

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522.54	27.438
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522.74	27.444
522.84	27.447
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523.	27.452
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523.14	27.456
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523.84	27.477
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524.84	27.506
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525.02	
525.05	27.513
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525.74	27.533
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525.94	27.539
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526.05	27.543
526.14	27.545
526.24	27.548
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526.44	27.554
526.54	27.557
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526.74	27.563
526.84	27.566
526.94	27.569
527.	27.571
527.01	
527.02	27.572
527.05	
527.14	27.575
527.24	27.578
527.34	27.581
527.44	27.584

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527.74	27.593
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527.94	27.599
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528.05	
528.14	27.605
528.24	27.608
528.34	27.611
528.44	27.614
528.54	27.617
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528.74	27.623
528.84	27.626
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529.	27.631
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529.05	
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532.05	27.723
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532.24	27.729
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532.44	27.735
532.54	27.738

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533.02		27.753
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533.34		27.762
533.44		27.765
533.54		27.769
533.64		27.772
533.74		27.775
533.84		27.778
533.94		27.781
534.		27.783
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534.02		
534.05		27.784
534.14		27.787
534.24		27.79
534.34		27.793
534.44		27.796
534.54		27.799
534.64		27.802
534.74		27.805
534.84		27.808
534.94		27.811
535.		27.813
535.01		
535.02		27.814
535.05		27.815
535.14		27.817
535.24		27.82
535.34		27.823
535.44		27.827
535.54		27.83
535.64		27.833
535.74		27.836
535.84		27.839
535.94		27.842
536.		27.844
536.01		
536.02		
536.05		27.845
536.14		27.848
536.24		27.851
536.34		27.854
536.44		27.857
536.54		27.86
536.64		27.863
536.74		27.866
536.84		27.869
536.94		27.873
537.		27.874
537.01		27.875
537.02		
537.05		27.876
537.14		27.879
537.24		27.882
537.34		27.885
537.44		27.888
537.54		27.891

537.64	27.894
537.74	27.897
537.84	27.9
537.94	27.903
538.	27.905
538.01	
538.02	27.906
538.05	27.907
538.14	27.909
538.24	27.913
538.34	27.916
538.44	27.919
538.54	27.922
538.64	27.925
538.74	27.928
538.84	27.931
538.94	27.934
539.	27.936
539.01	
539.02	27.937
539.05	27.938
539.14	27.94
539.24	27.943
539.34	27.947
539.44	27.95
539.54	27.953
539.64	27.956
539.74	27.959
539.84	27.962
539.94	27.965
540.	27.967
540.01	
540.02	27.968
540.05	27.969
540.14	27.971
540.24	27.974
540.34	27.978
540.44	27.981
540.54	27.984
540.64	27.987
540.74	27.99
540.84	27.993
540.94	27.996
541.	27.998
541.01	
541.02	27.999
541.05	28.
541.14	28.002
541.24	28.005
541.34	28.009
541.44	28.012
541.54	28.015
541.64	28.018
541.74	28.021
541.84	28.024
541.94	28.027
542.	28.029
542.01	
542.02	28.03
542.05	28.031
542.14	28.033
542.24	28.037
542.34	28.04
542.44	28.043
542.54	28.046
542.64	28.049

542.74	28.052
542.84	28.055
542.94	28.058
543.	28.06
543.01	28.061
543.02	
543.05	28.062
543.14	28.065
543.24	28.068
543.34	28.071
543.44	28.074
543.54	28.077
543.64	28.08
543.74	28.083
543.84	28.086
543.94	28.09
544.	28.091
544.01	28.092
544.02	
544.05	28.093
544.14	28.096
544.24	28.099
544.34	28.102
544.44	28.105
544.54	28.108
544.64	28.111
544.74	28.115
544.84	28.118
544.94	28.121
545.	28.123
545.01	
545.02	
545.05	28.124
545.14	28.127
545.24	28.13
545.34	28.133
545.44	28.137
545.54	28.14
545.64	28.143
545.74	28.146
545.84	28.149
545.94	28.152
546.	28.154
546.01	
546.02	28.155
546.05	28.156
546.14	28.159
546.24	28.162
546.34	28.165
546.44	28.168
546.54	28.171
546.64	28.174
546.74	28.177
546.84	28.181
546.94	28.184
547.	28.186
547.01	
547.02	
547.05	28.187
547.14	28.19
547.24	28.193
547.34	28.196
547.44	28.199
547.54	28.203
547.64	28.206
547.74	28.209

547.84	28.212
547.94	28.215
548.	28.217
548.01	
548.02	28.218
548.05	28.219
548.14	28.222
548.24	28.225
548.34	28.228
548.44	28.231
548.54	28.234
548.64	28.237
548.74	28.24
548.84	28.244
548.94	28.247
549.	28.249
549.01	
549.02	
549.05	28.25
549.14	28.253
549.24	28.256
549.34	28.259
549.44	28.263
549.54	28.266
549.64	28.269
549.74	28.272
549.84	28.275
549.94	28.278
550.	28.28
550.01	28.281
550.02	
550.05	28.282
550.14	28.285
550.24	28.288
550.34	28.291
550.44	28.294
550.54	28.298
550.64	28.301
550.74	28.304
550.84	28.307
550.94	28.31
551.	28.312
551.01	
551.02	28.313
551.05	28.314
551.14	28.317
551.24	28.32
551.34	28.323
551.44	28.326
551.54	28.329
551.64	28.332
551.74	28.336
551.84	28.339
551.94	28.342
552.	28.344
552.01	
552.02	28.345
552.05	28.346
552.14	28.348
552.24	28.352
552.34	28.355
552.44	28.358
552.54	28.361
552.64	28.364
552.74	28.368
552.84	28.371

552.94	28.374
553.	28.376
553.01	
553.02	
553.05	28.377
553.14	28.38
553.24	28.383
553.34	28.387
553.44	28.39
553.54	28.393
553.64	28.396
553.74	28.399
553.84	28.403
553.94	28.406
554.	28.408
554.01	
554.02	
554.05	28.409
554.14	28.412
554.24	28.415
554.34	28.419
554.44	28.422
554.54	28.425
554.64	28.428
554.74	28.431
554.84	28.435
554.94	28.438
555.	28.44
555.01	
555.02	
555.05	28.441
555.14	28.444
555.24	28.447
555.34	28.451
555.44	28.454
555.54	28.457
555.64	28.46
555.74	28.464
555.84	28.467
555.94	28.47
556.	28.472
556.01	
556.02	
556.05	28.473
556.14	28.476
556.24	28.48
556.34	28.483
556.44	28.486
556.54	28.489
556.64	28.492
556.74	28.496
556.84	28.499
556.94	28.502
557.	28.504
557.01	
557.02	28.505
557.05	28.506
557.14	28.509
557.24	28.512
557.34	28.515
557.44	28.518
557.54	28.521
557.64	28.525
557.74	28.528
557.84	28.531
557.94	28.534

558.	28.536
558.01	28.537
558.02	
558.05	28.538
558.14	28.541
558.24	28.544
558.34	28.547
558.44	28.55
558.54	28.554
558.64	28.557
558.74	28.56
558.84	28.563
558.94	28.567
559.	28.568
559.01	28.569
559.02	
559.05	28.57
559.14	28.573
559.24	28.576
559.34	28.579
559.44	28.583
559.54	28.586
559.64	28.589
559.74	28.592
559.84	28.596
559.94	28.599
560.	28.601
560.4	28.614
560.8	28.627
562.	28.666
565.6	28.781
569.6	28.911
573.6	29.041
577.6	29.172
581.6	29.305
585.6	29.438
589.6	29.572
593.6	29.707
597.6	29.843
600.	29.925
606.	30.13

	23.888	
612.	23.887	30.336
630.		30.938
684.		32.961
738.	23.886	34.984
798.	23.887	37.2
858.		39.352
918.	23.888	41.417
978.	23.889	43.383
1038.	23.89	45.238
1098.		46.976
1158.		48.598
1200.		49.668
1212.		49.962
1224.		50.254
1260.		51.104
1296.		51.911
1404.		54.023
1512.		55.792
1632.		57.393
1752.		58.663
1872.		59.644
1992.		60.366
2112.		60.818
2232.		61.071
2352.		61.146
2400.		61.137
2412.		61.135
2424.		61.132
2460.		61.123
2568.		60.961
2676.		60.717
2796.		60.368
2916.		59.952
3036.		59.484
3156.		58.972
3276.		58.427
3396.		57.856
3516.		57.267
3600.		56.842
3612.		56.78
3624.		56.72
3660.		56.548
3768.		55.992
3876.		55.432
3996.	23.891	54.811
4116.		54.19
4236.		53.571
4356.		52.957
4476.		52.348
4596.	23.892	51.746
4716.		51.152
4800.		50.738
4812.		50.679
4824.		50.621
4860.		50.453
4968.	23.893	49.933
5076.		49.422
5196.	23.894	48.865
5316.		48.32
5436.	23.895	47.784
5556.	23.896	47.26
5676.		46.745
5796.	23.897	46.242
5916.	23.898	45.751
6000.		45.409

6012.	23.899	45.361
6024.		45.313
6060.		45.174
6168.	23.9	44.75
6276.	23.901	44.335
6396.	23.902	43.885
6516.	23.903	43.446
6636.	23.905	43.016
6756.	23.906	42.597
6876.	23.907	42.188
6996.	23.909	41.788
7116.	23.911	41.397
7200.	23.912	41.127

FIGURE 21
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum T

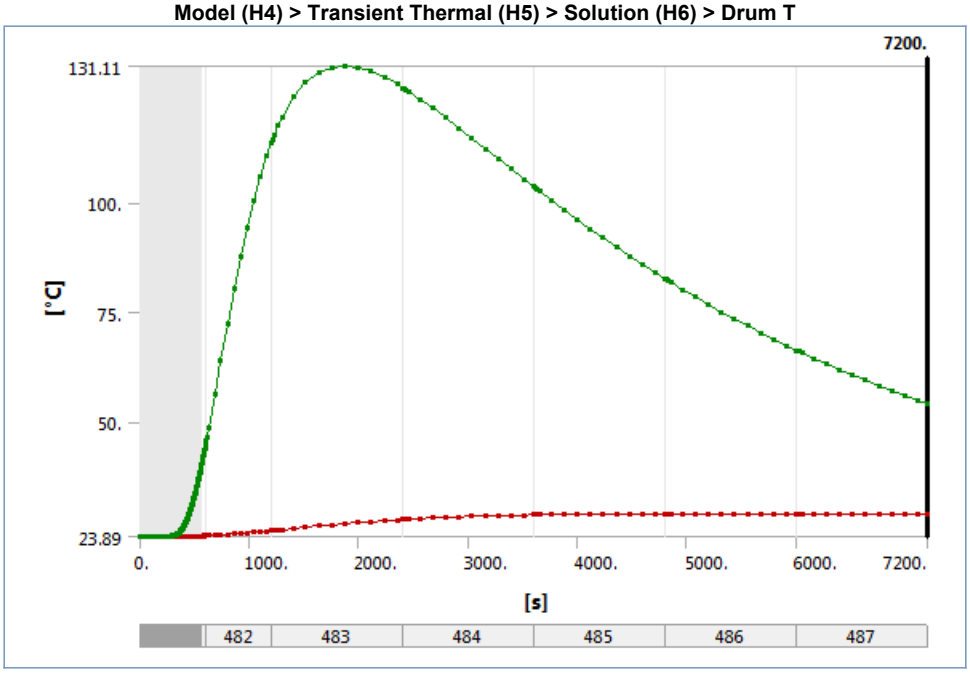

TABLE 29
Model (H4) > Transient Thermal (H5) > Solution (H6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		

3.68
3.88
4.
4.02
4.04
4.1
4.28
4.48
4.68
4.88
5.08
5.28
5.48
5.68
5.88
6.
6.02
6.04
6.1
6.28
6.48
6.68
6.88
7.08
7.28
7.48
7.68
7.88
8.
8.02
8.04
8.1
8.28
8.48
8.68
8.88
9.08
9.28
9.48
9.68
9.88
10.
10.02
10.04
10.1
10.28
10.48
10.68
10.88
11.08
11.28
11.48
11.68
11.88
12.
12.02
12.04
12.1
12.28
12.48
12.68
12.88
13.08
13.28
13.48
13.68

14.
14.02
14.04
14.1
14.22
14.33
14.441
14.641
14.841
15.041
15.241
15.441
15.641
15.841
16.
16.02
16.04
16.1
16.28
16.48
16.68
16.88
17.08
17.28
17.48
17.68
17.88
18.
18.02
18.04
18.1
18.28
18.48
18.68
18.88
19.08
19.28
19.48
19.68
19.87
20.
20.02
20.04
20.1
20.28
20.48
20.68
20.88
21.08
21.28
21.48
21.68
21.88
22.
22.02
22.04
22.1
22.28
22.48
22.68
22.88
23.08
23.28
23.48
23.68

24.
24.02
24.04
24.1
24.28
24.48
24.68
24.88
25.08
25.28
25.48
25.68
25.88
26.
26.02
26.04
26.1
26.224
26.424
26.615
26.805
27.005
27.205
27.405
27.605
27.805
28.
28.02
28.04
28.1
28.28
28.48
28.68
28.88
29.08
29.28
29.48
29.68
29.88
30.
30.02
30.04
30.1
30.28
30.48
30.68
30.88
31.08
31.28
31.48
31.68
31.88
32.
32.02
32.04
32.1
32.28
32.48
32.68
32.88
33.08
33.28
33.48
33.68
33.88

34.02
34.04
34.1
34.28
34.48
34.68
34.88
35.08
35.28
35.48
35.68
35.88
36.
36.02
36.04
36.1
36.28
36.48
36.68
36.88
37.08
37.28
37.48
37.68
37.88
38.
38.02
38.04
38.1
38.28
38.48
38.68
38.88
39.08
39.28
39.48
39.68
39.88
40.
40.02
40.04
40.1
40.28
40.48
40.68
40.88
41.08
41.28
41.48
41.68
41.88
42.
42.02
42.04
42.1
42.28
42.48
42.68
42.88
43.08
43.28
43.48
43.68
43.872
44.

44.04			
44.1			
44.28			
44.48			
44.68			
44.88			
45.08			
45.28			
45.48			
45.68			
45.88			
46.			
46.02			
46.04			
46.1			
46.28	23.89		
46.48			
46.68			
46.88			
47.08			
47.28			
47.48			
47.68			
47.88			
48.			
48.02			
48.04			
48.1			
48.28			
48.48			
48.68			
48.88			

	23.89
49.08	
49.28	
49.48	
49.68	
49.88	
50.	
50.02	
50.04	
50.1	
50.28	
50.48	
50.68	
50.88	
51.08	
51.28	
51.48	
51.68	
51.88	
52.	
52.02	
52.04	
52.1	
52.28	
52.48	
52.68	
52.88	
53.08	
53.28	
53.48	
53.68	
53.877	
54.	
54.02	23.891
54.04	
54.1	
54.28	
54.48	
54.68	
54.88	
55.08	
55.28	
55.48	
55.68	
55.88	
56.	
56.02	
56.04	
56.1	
56.28	
56.48	
56.68	
56.88	
57.08	
57.28	
57.48	
57.68	
57.88	
58.	
58.02	
58.04	
58.1	
58.28	
58.48	
58.68	
58.88	

59.08	
59.28	
59.48	
59.68	
59.88	
60.	
60.02	
60.04	
60.1	
60.28	
60.48	
60.68	
60.88	
61.08	
61.28	
61.48	
61.68	
61.88	
62.	
62.02	
62.04	
62.1	
62.28	
62.48	
62.68	
62.88	
63.08	
63.28	
63.48	
63.68	
63.88	
64.	
64.02	
64.04	
64.1	
64.28	
64.48	
64.68	
64.88	
65.08	
65.28	
65.48	
65.68	
65.88	
66.	
66.02	
66.04	
66.1	
66.28	
66.48	
66.68	23.892
66.88	
67.08	
67.28	
67.48	
67.68	
67.864	
68.	
68.02	
68.04	
68.1	
68.28	
68.48	
68.68	
68.88	
69.08	

69.48	
69.68	
69.88	
70.	
70.02	
70.04	
70.1	
70.28	
70.48	
70.68	
70.88	
71.08	
71.28	
71.48	
71.68	
71.88	
72.	
72.02	
72.04	
72.1	
72.28	
72.48	
72.68	
72.88	
73.08	
73.28	
73.48	
73.68	
73.88	
74.	
74.02	
74.04	
74.1	
74.22	
74.42	
74.603	
74.787	
74.987	
75.187	
75.387	
75.587	
75.787	
75.893	
76.	
76.02	
76.04	
76.1	23.893
76.28	
76.48	
76.68	
76.88	
77.08	
77.28	
77.48	
77.68	
77.88	
78.	
78.02	
78.04	
78.1	
78.28	
78.48	
78.68	
78.88	
79.08	

79.48	
79.68	
79.88	
80.	
80.02	
80.04	
80.1	
80.28	
80.48	
80.68	
80.88	
81.08	
81.28	
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81.68	
81.88	
82.	
82.02	
82.04	
82.1	
82.28	
82.48	
82.68	
82.88	
83.08	
83.28	
83.48	
83.68	
83.88	
84.	23.894
84.02	
84.04	
84.1	
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84.48	
84.68	
84.88	
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86.	
86.02	
86.04	
86.1	
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86.68	
86.88	
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87.68	
87.88	
88.	
88.02	
88.04	
88.1	
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88.88	
89.08	
89.28	

89.48	
89.68	
89.88	
90.	
90.02	
90.04	
90.1	
90.28	
90.48	
90.68	
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91.08	
91.28	
91.48	
91.68	
91.88	
92.	
92.02	
92.04	
92.1	
92.22	
92.42	
92.602	
92.784	
92.984	
93.184	
93.384	
93.584	
93.784	
93.892	
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94.04	
94.1	
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94.88	
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95.48	
95.68	
95.834	
95.917	
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96.04	
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96.88	
97.08	
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97.48	
97.68	
97.88	
98.	
98.02	
98.04	
98.1	
98.28	
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98.68	
98.88	
99.08	

99.28	
99.48	
99.68	
99.88	
100.	
100.02	
100.04	23.897
100.1	
100.28	
100.48	
100.68	
100.88	
101.08	
101.28	
101.48	23.898
101.68	
101.88	
102.	
102.02	
102.04	
102.09	
102.2	
102.4	
102.57	
102.74	
102.94	
103.14	
103.34	
103.54	
103.74	
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104.	
104.02	
104.04	
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104.48	
104.68	
104.88	
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106.02	
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106.1	
106.28	
106.48	
106.68	
106.88	
107.08	
107.28	
107.48	
107.68	
107.88	
108.	
108.02	
108.04	
108.1	
108.28	
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108.68	
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328.54		24.278

328.64		24.279
328.74		24.28
328.84		24.281
328.94		24.282
329.		24.283
329.01		
329.02		
329.05		
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329.24		24.285
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329.64		24.29
329.74		24.291
329.84		24.292
329.94		24.293
330.		24.294
330.01		
330.02		
330.05		
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330.94		24.304
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331.01		
331.02		
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331.24		24.308
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331.84		24.315
331.94		24.316
332.		24.317
332.01		
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332.05		
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332.64		24.325
332.74		24.326
332.84		24.327
332.94		24.328
333.		24.329
333.01		
333.02		
333.05		24.33
333.14		24.331
333.24		24.332
333.34		24.333
333.44		24.334
333.54		24.336
333.64		24.337

333.74	24.338
333.84	24.339
333.94	24.341
334.	
334.01	24.342
334.02	
334.05	
334.14	24.343
334.24	24.344
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334.44	24.347
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334.74	24.351
334.84	24.352
334.94	24.354
335.	
335.01	
335.02	24.355
335.05	
335.14	24.356
335.24	24.358
335.34	24.359
335.44	24.36
335.54	24.361
335.64	24.363
335.74	24.364
335.84	24.366
335.94	24.367
336.	24.368
336.01	
336.02	
336.05	
336.14	24.37
336.24	24.371
336.34	24.372
336.44	24.374
336.54	24.375
336.64	24.376
336.74	24.378
336.84	24.379
336.94	24.381
337.	
337.01	24.382
337.02	
337.05	
337.14	24.383
337.24	24.385
337.34	24.386
337.44	24.388
337.54	24.389
337.64	24.39
337.74	24.392
337.84	24.393
337.94	24.395
338.	24.396
338.01	
338.02	
338.05	
338.14	24.398
338.24	24.399
338.34	24.4
338.44	24.402
338.54	24.403
338.64	24.405
338.74	24.406

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339.34		24.415
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339.54		24.418
339.64		24.42
339.74		24.421
339.84		24.423
339.94		24.424
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340.14		24.427
340.24		24.429
340.34		24.43
340.44		24.432
340.54		24.433
340.64		24.435
340.74		24.436
340.84		24.438
340.94		24.44
341.		24.441
341.01		
341.02		
341.05		
341.14		24.443
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341.44		24.447
341.54		24.449
341.64		24.451
341.74		24.452
341.84		24.454
341.94		24.455
342.		24.456
342.01		
342.02		24.457
342.05		
342.14		24.459
342.24		24.46
342.34		24.462
342.44		24.463
342.54		24.465
342.64	23.898	24.467
342.74		24.468
342.84		24.47
342.94		24.472
343.		24.473
343.01		
343.02		
343.05		
343.14		24.475
343.24		24.477
343.34		24.478
343.44		24.48
343.54		24.482
343.64		24.483
343.74		24.485
343.84		24.487

343.94		24.488
344.		24.489
344.01		
344.02		24.49
344.05		
344.14		24.492
344.24		24.493
344.34		24.495
344.44		24.497
344.54		24.498
344.64		24.5
344.74		24.502
344.84		24.504
344.94		24.505
345.		24.506
345.01		24.507
345.02		
345.05		
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345.34		24.512
345.44		24.514
345.54		24.516
345.64		24.518
345.74		24.519
345.84		24.521
345.94		24.523
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346.01		
346.02		
346.05		24.525
346.14		24.527
346.24		24.528
346.34		24.53
346.44		24.532
346.54		24.534
346.64		24.536
346.74		24.537
346.84		24.539
346.94		24.541
347.		24.542
347.01		
347.02		
347.05		24.543
347.14		24.545
347.24	23.899	24.546
347.34		24.548
347.44		24.55
347.54		24.552
347.64		24.554
347.74		24.556
347.84		24.558
347.94		24.559
348.		24.561
348.01		
348.02		
348.05		24.562
348.14		24.563
348.24		24.565
348.34		24.567
348.44		24.569
348.54		24.571
348.64		24.573
348.74		24.575
348.84		24.576
348.94		24.578

349.		
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349.02		
349.05		
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349.24		24.584
349.34		24.586
349.44		24.588
349.54		24.59
349.64		24.592
349.74		24.594
349.84		24.596
349.94		24.598
350.		24.599
350.01		
350.02		
350.05		24.6
350.14		24.602
350.24		24.604
350.34		24.606
350.44		24.608
350.54		24.61
350.64		24.612
350.74		24.614
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350.94		24.618
351.		24.619
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351.02		
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351.24		24.624
351.34		24.626
351.44		24.628
351.54		24.63
351.64		24.632
351.74		24.634
351.84	23.9	24.636
351.94		24.638
352.		24.639
352.01		
352.02		24.64
352.05		
352.14		24.642
352.24		24.644
352.34		24.646
352.44		24.648
352.54		24.65
352.64		24.652
352.74		24.654
352.84		24.657
352.94		24.659
353.		24.66
353.01		
353.02		
353.05		24.661
353.14		24.663
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353.34		24.667
353.44		24.669
353.54		24.671
353.64		24.673
353.74		24.676
353.84		24.678
353.94		24.68
354.		

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354.05		
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354.24		24.686
354.34		24.689
354.44		24.691
354.54		24.693
354.64		24.695
354.74		24.697
354.84		24.699
354.94		24.702
355.		24.703
355.01		
355.02		
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355.24		24.708
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355.44		24.713
355.54		24.715
355.64	23.901	24.717
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355.84		24.722
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356.		24.725
356.01		
356.02		24.726
356.05		
356.14		24.728
356.24		24.731
356.34		24.733
356.44		24.735
356.54		24.737
356.64		24.74
356.74		24.742
356.84		24.744
356.94		24.746
357.		24.748
357.01		
357.02		
357.05		24.749
357.14		24.751
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357.34		24.756
357.44		24.758
357.54		24.76
357.64		24.763
357.74		24.765
357.84		24.767
357.94		24.77
358.		24.771
358.01		
358.02		
358.05	23.902	24.772
358.14		24.774
358.24		24.777
358.34		24.779
358.44		24.781
358.54		24.784
358.64		24.786
358.74		24.788
358.84		24.791
358.94		24.793
359.		24.795
359.01		

359.02		
359.05		24.796
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359.24		24.8
359.34		24.803
359.44		24.805
359.54		24.807
359.64		24.81
359.74		24.812
359.84		24.815
359.94		24.817
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360.02		
360.05		24.82
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360.24		24.824
360.34		24.827
360.44		24.829
360.54		24.832
360.64		24.834
360.74		24.837
360.84		24.839
360.94		24.842
361.		24.843
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361.05		
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361.34		24.852
361.44		24.854
361.54		24.857
361.64		24.859
361.74		24.862
361.84		24.864
361.94		24.867
362.		24.868
362.01	23.903	
362.02		24.869
362.05		
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362.24		24.874
362.34		24.877
362.44		24.879
362.54		24.882
362.64		24.884
362.74		24.887
362.84		24.89
362.94		24.892
363.		24.894
363.01		
363.02		
363.05		24.895
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363.34		24.903
363.44		24.905
363.54		24.908
363.64		24.91
363.74		24.913
363.84		24.916
363.94		24.918
364.		24.92
364.01		
364.02		

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364.84		24.942
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365.		24.946
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365.02		
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365.24	23.904	24.953
365.34		24.955
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365.54		24.961
365.64		24.963
365.74		24.966
365.84		24.969
365.94		24.972
366.		24.973
366.01		
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366.05		24.975
366.14		24.977
366.24		24.98
366.34		24.983
366.44		24.985
366.54		24.988
366.64		24.991
366.74		24.993
366.84		24.996
366.94		24.999
367.		25.001
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367.02		
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367.14		25.005
367.24		25.007
367.34		25.01
367.44		25.013
367.54		25.016
367.64		25.019
367.74		25.021
367.84		25.024
367.94	23.905	25.027
368.		25.029
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368.02		
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368.34		25.038
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368.54		25.044
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368.74		25.05
368.84		25.052
368.94		25.055
369.		25.057
369.01		
369.02		25.058
369.05		25.059

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369.34		25.067
369.44		25.07
369.54	23.906	25.073
369.64		25.076
369.74		25.078
369.84		25.081
369.94		25.084
370.		25.086
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370.34		25.096
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370.64		25.105
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370.94		25.114
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371.02		
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371.64		25.135
371.74		25.138
371.84		25.141
371.94		25.144
372.		25.145
372.01		25.146
372.02		
372.05		25.147
372.14		25.15
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372.34		25.156
372.44		25.159
372.54		25.162
372.64		25.165
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372.84		25.171
372.94		25.174
373.		25.176
373.01		
373.02		
373.05		25.177
373.14		25.18
373.24		25.183
373.34		25.186
373.44		25.189
373.54		25.192
373.64		25.196
373.74		25.199
373.84		25.202
373.94		25.205
374.		25.207
374.01		
374.02		
374.05		25.208
374.14		25.211

374.24		25.214
374.34		25.217
374.44		25.221
374.54		25.224
374.64		25.227
374.74		25.23
374.84		25.233
374.94		25.236
375.		25.238
375.01		25.239
375.02		
375.05		25.24
375.14		25.243
375.24		25.246
375.34		25.249
375.44		25.252
375.54		25.255
375.64		25.259
375.74		25.262
375.84		25.265
375.94		25.268
376.		25.27
376.01		
376.02	23.908	25.271
376.05		25.272
376.14		25.275
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376.34		25.281
376.44		25.284
376.54		25.288
376.64		25.291
376.74		25.294
376.84		25.297
376.94		25.301
377.		25.303
377.01		
377.02		
377.05		25.304
377.14		25.307
377.24		25.31
377.34		25.314
377.44		25.317
377.54		25.32
377.64		25.324
377.74		25.327
377.84		25.33
377.94		25.334
378.		25.336
378.01		
378.02		
378.05		25.337
378.14		25.34
378.24		25.344
378.34	23.909	25.347
378.44		25.35
378.54		25.354
378.64		25.357
378.74		25.36
378.84		25.364
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379.		25.369
379.01		
379.02		25.37
379.05		25.371
379.14		25.374
379.24		25.377

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379.44		25.384
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379.84		25.397
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380.		25.403
380.01		
380.02		25.404
380.05		25.405
380.14		25.408
380.24		25.411
380.34		25.415
380.44		25.418
380.54		25.422
380.64		25.425
380.74		25.428
380.84		25.432
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381.		25.437
381.01		25.438
381.02	23.91	
381.05		25.439
381.14		25.442
381.24		25.446
381.34		25.449
381.44		25.453
381.54		25.456
381.64		25.46
381.74		25.463
381.84		25.467
381.94		25.47
382.		25.472
382.01		25.473
382.02		
382.05		25.474
382.14		25.477
382.24		25.481
382.34		25.484
382.44		25.488
382.54		25.492
382.64		25.495
382.74		25.499
382.84		25.502
382.94		25.506
383.		25.508
383.01		
383.02		25.509
383.05		25.51
383.14		25.513
383.24		25.517
383.34	23.911	25.52
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383.54		25.527
383.64		25.531
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383.84		25.538
383.94		25.542
384.		25.544
384.01		
384.02		25.545
384.05		25.546
384.14		25.549
384.24		25.553
384.34		25.556

384.44		25.56
384.54		25.564
384.64		25.567
384.74		25.571
384.84		25.575
384.94		25.578
385.		25.581
385.01		
385.02		
385.05		25.582
385.14		25.586
385.24		25.589
385.34		25.593
385.44		25.597
385.54		25.6
385.64		25.604
385.74		25.608
385.84	23.912	25.612
385.94		25.615
386.		25.618
386.01		
386.02		
386.05		25.619
386.14		25.623
386.24		25.627
386.34		25.63
386.44		25.634
386.54		25.638
386.64		25.642
386.74		25.645
386.84		25.649
386.94		25.653
387.		25.655
387.01		25.656
387.02		
387.05		25.657
387.14		25.66
387.24		25.664
387.34		25.668
387.44		25.672
387.54		25.676
387.64		25.68
387.74		25.683
387.84		25.687
387.94		25.691
388.		25.693
388.01		25.694
388.02	23.913	
388.05		25.695
388.14		25.699
388.24		25.703
388.34		25.706
388.44		25.71
388.54		25.714
388.64		25.718
388.74		25.722
388.84		25.726
388.94		25.73
389.		25.732
389.01		
389.02		25.733
389.05		25.734
389.14		25.737
389.24		25.741
389.34		25.745
389.44		25.749

389.54		25.753
389.64		25.757
389.74		25.761
389.84		25.765
389.94		25.769
390.		25.771
390.01		25.772
390.02		
390.05		25.773
390.14		25.777
390.24		25.781
390.34		25.785
390.44	23.914	25.789
390.54		25.793
390.64		25.797
390.74		25.8
390.84		25.804
390.94		25.808
391.		25.811
391.01		
391.02		25.812
391.05		25.813
391.14		25.816
391.24		25.82
391.34		25.825
391.44		25.829
391.54		25.833
391.64		25.837
391.74		25.841
391.84		25.845
391.94		25.849
392.		25.851
392.01		25.852
392.02		
392.05		25.853
392.14		25.857
392.24		25.861
392.34		25.865
392.44	23.915	25.869
392.54		25.873
392.64		25.877
392.74		25.881
392.84		25.885
392.94		25.889
393.		25.892
393.01		
393.02		25.893
393.05		25.894
393.14		25.898
393.24		25.902
393.34		25.906
393.44		25.91
393.54		25.914
393.64		25.918
393.74		25.923
393.84		25.927
393.94		25.931
394.		25.933
394.01	23.916	25.934
394.02		
394.05		25.935
394.14		25.939
394.24		25.943
394.34		25.948
394.44		25.952
394.54		25.956

394.64		25.96
394.74		25.964
394.84		25.968
394.94		25.973
395.		25.975
395.01		25.976
395.02		
395.05		25.977
395.14		25.981
395.24		25.985
395.34		25.99
395.44		25.994
395.54		25.998
395.64	23.917	26.002
395.74		26.007
395.84		26.011
395.94		26.015
396.		26.018
396.01		
396.02		26.019
396.05		26.02
396.14		26.024
396.24		26.028
396.34		26.032
396.44		26.037
396.54		26.041
396.64		26.045
396.74		26.049
396.84		26.054
396.94		26.058
397.		26.061
397.01		
397.02		26.062
397.05		26.063
397.14		26.067
397.24		26.071
397.34		26.075
397.44		26.08
397.54		26.084
397.64	23.918	26.088
397.74		26.093
397.84		26.097
397.94		26.102
398.		26.104
398.01		26.105
398.02		
398.05		26.106
398.14		26.11
398.24		26.115
398.34		26.119
398.44		26.124
398.54		26.128
398.64		26.132
398.74		26.137
398.84		26.141
398.94		26.146
399.		26.148
399.01		26.149
399.02		
399.05		26.151
399.14		26.155
399.24		26.159
399.34		26.163
399.44		26.168
399.54		26.172
399.64		26.177

399.74		26.181
399.84		26.186
399.94		26.19
400.		26.193
400.01		
400.02		26.194
400.05		26.195
400.14		26.199
400.24		26.204
400.34		26.208
400.44		26.213
400.54		26.217
400.64	23.919	26.222
400.74		26.226
400.84		26.231
400.94		26.235
401.		26.238
401.01		26.239
401.02		
401.05		26.24
401.14		26.245
401.24		26.249
401.34		26.254
401.44		26.258
401.54		26.263
401.64		26.267
401.74		26.272
401.84		26.277
401.94		26.281
402.		26.284
402.01		
402.02		26.285
402.05		26.286
402.14		26.29
402.24		26.295
402.34		26.3
402.44		26.304
402.54	23.92	26.309
402.64		26.314
402.74		26.318
402.84		26.323
402.94		26.327
403.		26.33
403.01		26.331
403.02		
403.05		26.333
403.14		26.337
403.24		26.341
403.34		26.346
403.44		26.351
403.54		26.356
403.64		26.36
403.74		26.365
403.84		26.37
403.94		26.374
404.		26.377
404.01		26.378
404.02	23.921	
404.05		26.379
404.14		26.384
404.24		26.388
404.34		26.393
404.44		26.398
404.54		26.403
404.64		26.407
404.74		26.412

404.84		26.417
404.94		26.422
405.		26.425
405.01		
405.02		26.426
405.05		26.427
405.14		26.431
405.24		26.436
405.34		26.441
405.44		26.446
405.54		26.45
405.64		26.455
405.74		26.46
405.84		26.465
405.94		26.47
406.		26.473
406.01		
406.02		26.474
406.05		26.475
406.14		26.479
406.24		26.484
406.34	23.922	26.489
406.44		26.494
406.54		26.499
406.64		26.504
406.74		26.508
406.84		26.513
406.94		26.518
407.		26.521
407.01		26.522
407.02		
407.05		26.524
407.14		26.528
407.24		26.533
407.34		26.538
407.44		26.543
407.54		26.548
407.64		26.552
407.74		26.557
407.84		26.562
407.94		26.567
408.		26.57
408.01		26.571
408.02		
408.05		26.573
408.14	23.923	26.577
408.24		26.582
408.34		26.587
408.44		26.592
408.54		26.597
408.64		26.602
408.74		26.607
408.84		26.612
408.94		26.617
409.		26.62
409.01		
409.02		26.621
409.05		26.622
409.14		26.627
409.24		26.632
409.34		26.637
409.44		26.642
409.54		26.647
409.64		26.652
409.74		26.657
409.84		26.662

409.94		26.667
410.		26.67
410.01		26.671
410.02		
410.05		26.673
410.14		26.677
410.24	23.924	26.682
410.34		26.687
410.44		26.692
410.54		26.697
410.64		26.703
410.74		26.708
410.84		26.713
410.94		26.718
411.		26.721
411.01		
411.02		26.722
411.05		26.723
411.14		26.728
411.24		26.733
411.34		26.738
411.44		26.743
411.54		26.749
411.64		26.754
411.74	23.925	26.759
411.84		26.764
411.94		26.769
412.		26.772
412.01		26.773
412.02		
412.05		26.775
412.14		26.779
412.24		26.785
412.34		26.79
412.44		26.795
412.54		26.8
412.64		26.805
412.74		26.811
412.84		26.816
412.94		26.821
413.		26.824
413.01		26.825
413.02		
413.05		26.827
413.14		26.831
413.24		26.837
413.34		26.842
413.44		26.847
413.54	23.926	26.852
413.64		26.858
413.74		26.863
413.84		26.868
413.94		26.873
414.		26.877
414.01		
414.02		26.878
414.05		26.879
414.14		26.884
414.24		26.889
414.34		26.895
414.44		26.9
414.54		26.905
414.64		26.911
414.74		26.916
414.84		26.921
414.94		26.926

415.	23.927	26.93
415.01		
415.02		26.931
415.05		26.932
415.14		26.937
415.24		26.942
415.34		26.948
415.44		26.953
415.54		26.959
415.64		26.964
415.74		26.969
415.84		26.975
415.94		26.98
416.		26.983
416.01		26.984
416.02		
416.05		26.986
416.14		26.991
416.24	23.928	26.996
416.34		27.002
416.44		27.007
416.54		27.012
416.64		27.018
416.74		27.023
416.84		27.029
416.94		27.034
417.		27.037
417.01		27.038
417.02		27.039
417.05		27.04
417.14		27.045
417.24		27.05
417.34		27.056
417.44		27.061
417.54		27.067
417.64		27.072
417.74		27.078
417.84		27.083
417.94	23.929	27.089
418.		27.092
418.01		27.093
418.02		
418.05		27.095
418.14		27.1
418.24		27.105
418.34		27.111
418.44		27.116
418.54		27.122
418.64		27.127
418.74		27.133
418.84		27.139
418.94		27.144
419.		27.147
419.01		27.148
419.02		27.149
419.05		27.15
419.14		27.155
419.24		27.161
419.34		27.166
419.44		27.172
419.54		27.177
419.64		27.183
419.74		27.189
419.84		27.194
419.94		27.2
420.		27.203

420.01	23.93	27.204
420.02		
420.05		27.206
420.14		27.211
420.24		27.217
420.34		27.222
420.44		27.228
420.54		27.234
420.64		27.239
420.74		27.245
420.84		27.251
420.94		27.256
421.		27.26
421.01		
421.02		27.261
421.05		27.262
421.14		27.268
421.24		27.273
421.34	23.931	27.279
421.44		27.285
421.54		27.29
421.64		27.296
421.74		27.302
421.84		27.307
421.94		27.313
422.		27.317
422.01		
422.02		27.318
422.05		27.319
422.14		27.325
422.24		27.33
422.34		27.336
422.44		27.342
422.54		27.348
422.64		27.353
422.74		27.359
422.84		27.365
422.94	23.932	27.371
423.		27.374
423.01		27.375
423.02		
423.05		27.377
423.14		27.382
423.24		27.388
423.34		27.394
423.44		27.4
423.54		27.405
423.64		27.411
423.74		27.417
423.84		27.423
423.94		27.429
424.		27.432
424.01		27.433
424.02		
424.05		27.435
424.14		27.44
424.24		27.446
424.34		27.452
424.44		27.458
424.54		27.464
424.64		27.47
424.74		27.476
424.84		27.481
424.94		27.487
425.		27.491
425.01		

425.02	23.933	27.492
425.05		27.494
425.14		27.499
425.24		27.505
425.34		27.511
425.44		27.517
425.54		27.523
425.64		27.529
425.74		27.535
425.84		27.541
425.94		27.546
426.		27.55
426.01		27.551
426.02		
426.05		27.553
426.14		27.558
426.24	23.934	27.564
426.34		27.57
426.44		27.576
426.54		27.582
426.64		27.588
426.74		27.594
426.84		27.6
426.94		27.606
427.		27.61
427.01		
427.02		27.611
427.05		27.613
427.14		27.618
427.24		27.624
427.34		27.63
427.44		27.636
427.54		27.642
427.64		27.648
427.74		27.654
427.84	23.935	27.66
427.94		27.666
428.		27.67
428.01		27.671
428.02		
428.05		27.673
428.14		27.679
428.24		27.685
428.34		27.691
428.44		27.697
428.54		27.703
428.64		27.709
428.74		27.715
428.84		27.721
428.94		27.727
429.		27.731
429.01		27.732
429.02		
429.05		27.734
429.14		27.74
429.24		27.746
429.34	23.936	27.752
429.44		27.758
429.54		27.764
429.64		27.77
429.74		27.776
429.84		27.783
429.94		27.789
430.		27.792
430.01		27.793
430.02		27.794

430.05		27.795
430.14		27.801
430.24		27.807
430.34		27.813
430.44		27.82
430.54		27.826
430.64		27.832
430.74		27.838
430.84		27.844
430.94		27.851
431.		27.854
431.01		27.855
431.02		27.856
431.05		27.857
431.14		27.863
431.24		27.869
431.34		27.876
431.44		27.882
431.54		27.888
431.64	23.937	27.894
431.74		27.901
431.84		27.907
431.94		27.913
432.		27.917
432.01		27.918
432.02		
432.05		27.92
432.14		27.926
432.24		27.932
432.34		27.938
432.44		27.945
432.54		27.951
432.64		27.957
432.74		27.964
432.84		27.97
432.94		27.976
433.		27.98
433.01		27.981
433.02		
433.05	23.938	27.983
433.14		27.989
433.24		27.995
433.34		28.002
433.44		28.008
433.54		28.014
433.64		28.021
433.74		28.027
433.84		28.033
433.94		28.04
434.		28.044
434.01		
434.02		28.045
434.05		28.047
434.14		28.053
434.24		28.059
434.34		28.065
434.44		28.072
434.54	23.939	28.078
434.64		28.085
434.74		28.091
434.84		28.098
434.94		28.104
435.		28.108
435.01		
435.02		28.109
435.05		28.111

435.14		28.117
435.24		28.123
435.34		28.13
435.44		28.136
435.54		28.143
435.64		28.149
435.74		28.156
435.84		28.162
435.94		28.169
436.		28.173
436.01		
436.02		28.174
436.05	23.94	28.176
436.14		28.182
436.24		28.188
436.34		28.195
436.44		28.201
436.54		28.208
436.64		28.214
436.74		28.221
436.84		28.227
436.94		28.234
437.		28.238
437.01		28.239
437.02		
437.05		28.241
437.14		28.247
437.24		28.254
437.34		28.26
437.44		28.267
437.54		28.273
437.64		28.28
437.74	23.941	28.287
437.84		28.293
437.94		28.3
438.		28.304
438.01		
438.02		28.305
438.05		28.307
438.14		28.313
438.24		28.32
438.34		28.326
438.44		28.333
438.54		28.34
438.64		28.346
438.74		28.353
438.84		28.36
438.94		28.366
439.		28.37
439.01		28.371
439.02		28.372
439.05	23.942	28.374
439.14		28.38
439.24		28.386
439.34		28.393
439.44		28.4
439.54		28.406
439.64		28.413
439.74		28.42
439.84		28.426
439.94		28.433
440.		28.437
440.01		28.438
440.02		28.439
440.05		28.441
440.14		28.447

440.24		28.453
440.34		28.46
440.44		28.467
440.54		28.474
440.64		28.48
440.74		28.487
440.84		28.494
440.94	23.943	28.501
441.		28.505
441.01		
441.02		28.506
441.05		28.508
441.14		28.514
441.24		28.521
441.34		28.528
441.44		28.535
441.54		28.541
441.64		28.548
441.74		28.555
441.84		28.562
441.94		28.569
442.		28.573
442.01		
442.02	23.944	28.574
442.05		28.576
442.14		28.582
442.24		28.589
442.34		28.596
442.44		28.603
442.54		28.61
442.64		28.617
442.74		28.623
442.84		28.63
442.94		28.637
443.		28.641
443.01		28.642
443.02		28.643
443.05		28.645
443.14		28.651
443.24		28.658
443.34		28.665
443.44		28.672
443.54	23.945	28.679
443.64		28.686
443.74		28.692
443.84		28.699
443.94		28.706
444.		28.71
444.01		28.711
444.02		28.712
444.05		28.714
444.14		28.72
444.24		28.727
444.34		28.734
444.44		28.741
444.54		28.748
444.64		28.755
444.74		28.762
444.84		28.769
444.94	23.946	28.776
445.		28.78
445.01		28.781
445.02		28.782
445.05		28.784
445.14		28.79
445.24		28.797

445.34		28.804
445.44		28.811
445.54		28.818
445.64		28.825
445.74		28.832
445.84		28.839
445.94		28.846
446.		28.85
446.01		28.851
446.02		28.852
446.05		28.854
446.14		28.86
446.24		28.867
446.34	23.947	28.874
446.44		28.881
446.54		28.889
446.64		28.896
446.74		28.903
446.84		28.91
446.94		28.917
447.		28.921
447.01		28.922
447.02		28.923
447.05		28.925
447.14		28.931
447.24		28.938
447.34		28.945
447.44		28.952
447.54		28.96
447.64		28.967
447.74		28.974
447.84		28.981
447.94	23.948	28.988
448.		28.992
448.01		28.993
448.02		28.994
448.05		28.996
448.14		29.002
448.24		29.01
448.34		29.017
448.44		29.024
448.54		29.031
448.64		29.038
448.74		29.046
448.84		29.053
448.94		29.06
449.		29.064
449.01		29.065
449.02		29.066
449.05	23.949	29.068
449.14		29.074
449.24		29.082
449.34		29.089
449.44		29.096
449.54		29.103
449.64		29.111
449.74		29.118
449.84		29.125
449.94		29.132
450.		29.137
450.01		
450.02		29.138
450.05		29.14
450.14		29.147
450.24		29.154
450.34		29.161

450.44	23.95	29.169
450.54		29.176
450.64		29.183
450.74		29.191
450.84		29.198
450.94		29.205
451.		29.21
451.01		
451.02		29.211
451.05		29.213
451.14		29.22
451.24		29.227
451.34	23.951	29.234
451.44		29.242
451.54		29.249
451.64		29.257
451.74		29.264
451.84		29.271
451.94		29.279
452.		29.283
452.01		29.284
452.02		29.285
452.05		29.287
452.14		29.293
452.24		29.301
452.34		29.308
452.44		29.316
452.54		29.323
452.64		29.33
452.74	23.952	29.338
452.84		29.345
452.94		29.353
453.		29.357
453.01		29.358
453.02		
453.05		29.361
453.14		29.367
453.24		29.375
453.34		29.382
453.44		29.39
453.54		29.397
453.64		29.405
453.74		29.412
453.84		29.42
453.94		29.427
454.		29.432
454.01		
454.02		29.433
454.05	23.953	29.435
454.14		29.442
454.24		29.449
454.34		29.457
454.44		29.464
454.54		29.472
454.64		29.479
454.74		29.487
454.84		29.494
454.94		29.502
455.		29.507
455.01		
455.02		29.508
455.05		29.51
455.14		29.517
455.24		29.525
455.34		29.532
455.44		29.54

455.54	23.954	29.547
455.64		29.555
455.74		29.562
455.84		29.57
455.94		29.578
456.		29.582
456.01		29.583
456.02		29.584
456.05		29.586
456.14		29.593
456.24		29.6
456.34		29.608
456.44		29.615
456.54		29.623
456.64		29.631
456.74		29.638
456.84	23.955	29.646
456.94		29.654
457.		29.658
457.01		29.659
457.02		29.66
457.05		29.662
457.14		29.669
457.24		29.677
457.34		29.684
457.44		29.692
457.54		29.699
457.64		29.707
457.74		29.715
457.84		29.722
457.94		29.73
458.		29.735
458.01		29.736
458.02		
458.05		29.739
458.14	23.956	29.746
458.24		29.753
458.34		29.761
458.44		29.769
458.54		29.776
458.64		29.784
458.74		29.792
458.84		29.8
458.94		29.807
459.		29.812
459.01		29.813
459.02		
459.05		29.816
459.14		29.823
459.24		29.83
459.34		29.838
459.44	23.957	29.846
459.54		29.854
459.64		29.862
459.74		29.869
459.84		29.877
459.94		29.885
460.		29.89
460.01		
460.02		29.891
460.05		29.893
460.14		29.9
460.24		29.908
460.34		29.916
460.44		29.924
460.54		29.932

460.64		29.939
460.74	23.958	29.947
460.84		29.955
460.94		29.963
461.		29.968
461.01		
461.02		29.969
461.05		29.972
461.14		29.979
461.24		29.987
461.34		29.994
461.44		30.002
461.54		30.01
461.64		30.018
461.74		30.026
461.84		30.034
461.94		30.042
462.		30.046
462.01		30.047
462.02		30.048
462.05		30.05
462.14	23.959	30.057
462.24		30.065
462.34		30.073
462.44		30.081
462.54		30.089
462.64		30.097
462.74		30.105
462.84		30.113
462.94		30.121
463.		30.126
463.01		
463.02		30.127
463.05		30.13
463.14		30.137
463.24		30.145
463.34		30.153
463.44	23.96	30.161
463.54		30.169
463.64		30.176
463.74		30.184
463.84		30.192
463.94		30.2
464.		30.205
464.01		30.206
464.02		30.207
464.05		30.209
464.14		30.216
464.24		30.224
464.34		30.232
464.44		30.24
464.54		30.248
464.64		30.257
464.74	23.961	30.265
464.84		30.273
464.94		30.281
465.		30.285
465.01		30.286
465.02		30.287
465.05		30.289
465.14		30.297
465.24		30.305
465.34		30.313
465.44		30.321
465.54		30.329
465.64		30.337

465.74		30.345
465.84		30.353
465.94		30.361
466.	23.962	30.366
466.01		30.367
466.02		30.368
466.05		30.37
466.14		30.378
466.24		30.386
466.34		30.394
466.44		30.402
466.54		30.41
466.64		30.418
466.74		30.426
466.84		30.434
466.94		30.443
467.		30.447
467.01		30.448
467.02		30.449
467.05		30.451
467.14		30.459
467.24	23.963	30.467
467.34		30.475
467.44		30.483
467.54		30.491
467.64		30.5
467.74		30.508
467.84		30.516
467.94		30.524
468.		30.529
468.01		30.53
468.02		30.531
468.05		30.533
468.14		30.541
468.24		30.549
468.34		30.557
468.44		30.565
468.54	23.964	30.573
468.64		30.582
468.74		30.59
468.84		30.598
468.94		30.606
469.		30.611
469.01		30.612
469.02		30.613
469.05		30.615
469.14		30.623
469.24		30.631
469.34		30.639
469.44		30.648
469.54		30.656
469.64		30.664
469.74		30.673
469.84	23.965	30.681
469.94		30.689
470.		30.694
470.01		30.695
470.02		30.696
470.05		30.698
470.14		30.706
470.24		30.714
470.34		30.722
470.44		30.731
470.54		30.739
470.64		30.747
470.74		30.756

470.84		30.764
470.94		30.772
471.		30.777
471.01		30.778
471.02		30.779
471.05	23.966	30.781
471.14		30.789
471.24		30.797
471.34		30.806
471.44		30.814
471.54		30.822
471.64		30.831
471.74		30.839
471.84		30.848
471.94		30.856
472.		30.861
472.01		30.862
472.02		30.863
472.05		30.865
472.14		30.873
472.24		30.881
472.34	23.967	30.89
472.44		30.898
472.54		30.906
472.64		30.915
472.74		30.923
472.84		30.932
472.94		30.94
473.		30.945
473.01		30.946
473.02		30.947
473.05		30.949
473.14		30.957
473.24		30.966
473.34		30.974
473.44		30.982
473.54		30.991
473.64	23.968	30.999
473.74		31.008
473.84		31.016
473.94		31.025
474.		31.03
474.01		31.031
474.02		31.032
474.05		31.034
474.14		31.042
474.24		31.05
474.34		31.059
474.44		31.067
474.54		31.076
474.64		31.084
474.74		31.093
474.84	23.969	31.102
474.94		31.11
475.		31.115
475.01		31.116
475.02		31.117
475.05		31.119
475.14		31.127
475.24		31.136
475.34		31.144
475.44		31.153
475.54		31.161
475.64		31.17
475.74		31.179
475.84		31.187

475.94		31.196
476.		31.201
476.01		31.202
476.02		31.203
476.05	23.97	31.205
476.14		31.213
476.24		31.222
476.34		31.23
476.44		31.239
476.54		31.247
476.64		31.256
476.74		31.265
476.84		31.273
476.94		31.282
477.		31.287
477.01		31.288
477.02		31.289
477.05		31.291
477.14		31.299
477.24		31.308
477.34	23.971	31.317
477.44		31.325
477.54		31.334
477.64		31.343
477.74		31.351
477.84		31.36
477.94		31.369
478.		31.374
478.01		31.375
478.02		31.376
478.05		31.378
478.14		31.386
478.24		31.395
478.34		31.403
478.44		31.412
478.54	23.972	31.421
478.64		31.43
478.74		31.438
478.84		31.447
478.94		31.456
479.		31.461
479.01		31.462
479.02		31.463
479.05		31.465
479.14		31.473
479.24		31.482
479.34		31.491
479.44		31.499
479.54		31.508
479.64		31.517
479.74	23.973	31.526
479.84		31.535
479.94		31.543
480.		31.549
480.01		
480.02		31.55
480.05		31.553
480.14		31.561
480.24		31.57
480.34		31.579
480.44		31.587
480.54		31.596
480.64		31.605
480.74		31.614
480.84		31.623
480.94		31.631

481.		31.637
481.01		31.638
481.02		31.639
481.05		31.641
481.14		31.649
481.24		31.658
481.34		31.667
481.44		31.676
481.54	23.974	31.685
481.64		31.693
481.74		31.702
481.84		31.711
481.94		31.72
482.		31.725
482.01		31.726
482.02		31.727
482.05		31.73
482.14		31.738
482.24		31.747
482.34		31.756
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482.54		31.773
482.64		31.782
482.74		31.791
482.84	23.975	31.8
482.94		31.809
483.		31.814
483.01		31.815
483.02		31.816
483.05		31.819
483.14		31.827
483.24		31.836
483.34		31.845
483.44		31.854
483.54		31.863
483.64		31.872
483.74		31.881
483.84		31.89
483.94		31.899
484.		31.904
484.01	23.976	31.905
484.02		31.906
484.05		31.908
484.14		31.917
484.24		31.926
484.34		31.935
484.44		31.944
484.54		31.953
484.64		31.962
484.74		31.971
484.84		31.98
484.94		31.989
485.		31.994
485.01		31.995
485.02	23.977	31.996
485.05		31.999
485.14		32.007
485.24		32.016
485.34		32.025
485.44		32.034
485.54		32.043
485.64		32.052
485.74		32.061
485.84		32.07
485.94		32.079
486.		

486.01		32.085
486.02		32.086
486.05		32.089
486.14		32.097
486.24		32.106
486.34	23.978	32.115
486.44		32.125
486.54		32.134
486.64		32.143
486.74		32.152
486.84		32.161
486.94		32.17
487.		32.176
487.01		
487.02		32.177
487.05		32.18
487.14		32.188
487.24		32.197
487.34		32.207
487.44	23.979	32.216
487.54		32.225
487.64		32.234
487.74		32.243
487.84		32.252
487.94		32.261
488.		32.267
488.01		32.268
488.02		32.269
488.05		32.272
488.14		32.28
488.24		32.289
488.34		32.298
488.44		32.307
488.54		32.317
488.64		32.326
488.74		32.335
488.84	23.98	32.344
488.94		32.353
489.		32.359
489.01		32.36
489.02		32.361
489.05		32.363
489.14		32.372
489.24		32.381
489.34		32.39
489.44		32.399
489.54		32.409
489.64		32.418
489.74		32.427
489.84		32.436
489.94		32.446
490.	23.981	32.451
490.01		32.452
490.02		32.453
490.05		32.456
490.14		32.464
490.24		32.473
490.34		32.483
490.44		32.492
490.54		32.501
490.64		32.511
490.74		32.52
490.84		32.529
490.94		32.538
491.		32.544
491.01		32.545

491.02		32.546
491.05		32.549
491.14		32.557
491.24	23.982	32.566
491.34		32.576
491.44		32.585
491.54		32.594
491.64		32.604
491.74		32.613
491.84		32.622
491.94		32.632
492.		32.637
492.01		32.638
492.02		32.639
492.05	23.983	32.642
492.14		32.65
492.24		32.66
492.34		32.669
492.44		32.679
492.54		32.688
492.64		32.697
492.74		32.707
492.84		32.716
492.94		32.725
493.		32.731
493.01		32.732
493.02		32.733
493.05		32.736
493.14		32.744
493.24	23.984	32.754
493.34		32.763
493.44		32.773
493.54		32.782
493.64		32.791
493.74		32.801
493.84		32.81
493.94		32.82
494.		32.825
494.01		32.826
494.02		32.827
494.05		32.83
494.14		32.839
494.24		32.848
494.34		32.857
494.44		32.867
494.54	23.985	32.876
494.64		32.886
494.74		32.895
494.84		32.905
494.94		32.914
495.		32.92
495.01		32.921
495.02		32.922
495.05		32.925
495.14		32.933
495.24		32.943
495.34		32.952
495.44		32.962
495.54		32.971
495.64	23.986	32.981
495.74		32.99
495.84		33.
495.94		33.009
496.		33.015
496.01		33.016
496.02		33.017

496.05		33.02
496.14		33.028
496.24		33.038
496.34	23.987	33.048
496.44		33.057
496.54		33.067
496.64		33.076
496.74		33.086
496.84		33.095
496.94		33.105
497.		33.111
497.01		33.112
497.02		33.113
497.05		33.115
497.14		33.124
497.24		33.134
497.34		33.143
497.44	23.988	33.153
497.54		33.162
497.64		33.172
497.74		33.182
497.84		33.191
497.94		33.201
498.		33.207
498.01		33.208
498.02		33.209
498.05		33.212
498.14		33.22
498.24		33.23
498.34		33.239
498.44		33.249
498.54		33.259
498.64	23.989	33.268
498.74		33.278
498.84		33.288
498.94		33.297
499.		33.303
499.01		33.304
499.02		33.305
499.05		33.308
499.14		33.317
499.24		33.326
499.34		33.336
499.44		33.346
499.54		33.355
499.64		33.365
499.74	23.99	33.375
499.84		33.385
499.94		33.394
500.		33.4
500.01		33.401
500.02		33.402
500.05		33.405
500.14		33.414
500.24		33.423
500.34		33.433
500.44		33.443
500.54		33.453
500.64		33.462
500.74		33.472
500.84		33.482
500.94		33.492
501.		33.497
501.01		33.498
501.02		33.499
501.05		33.502

501.14		33.511
501.24		33.521
501.34		33.531
501.44		33.54
501.54	23.991	33.55
501.64		33.56
501.74		33.57
501.84		33.579
501.94		33.589
502.		33.595
502.01		33.596
502.02		33.597
502.05		33.6
502.14		33.609
502.24		33.619
502.34		33.629
502.44		33.638
502.54	23.992	33.648
502.64		33.658
502.74		33.668
502.84		33.678
502.94		33.687
503.		33.693
503.01		33.694
503.02		33.695
503.05		33.698
503.14		33.707
503.24		33.717
503.34		33.727
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503.54		33.747
503.64		33.756
503.74	23.993	33.766
503.84		33.776
503.94		33.786
504.		33.792
504.01		33.793
504.02		33.794
504.05		33.797
504.14		33.806
504.24		33.816
504.34		33.826
504.44		33.836
504.54		33.846
504.64		33.855
504.74		33.865
504.84	23.994	33.875
504.94		33.885
505.		33.891
505.01		33.892
505.02		33.893
505.05		33.896
505.14		33.905
505.24		33.915
505.34		33.925
505.44		33.935
505.54		33.945
505.64		33.955
505.74		33.965
505.84	23.995	33.975
505.94		33.985
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506.01		33.992
506.02		33.993
506.05		33.996
506.14		34.005

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506.84		34.075
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507.		34.091
507.01		34.092
507.02		34.093
507.05		34.096
507.14		34.105
507.24		34.115
507.34		34.125
507.44		34.135
507.54		34.145
507.64	23.997	34.155
507.74		34.165
507.84		34.175
507.94		34.185
508.		34.191
508.01		34.192
508.02		34.193
508.05		34.196
508.14		34.205
508.24		34.215
508.34		34.225
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508.54		34.245
508.64		34.255
508.74	23.998	34.266
508.84		34.276
508.94		34.286
509.		34.292
509.01		34.293
509.02		34.294
509.05		34.297
509.14		34.306
509.24		34.316
509.34		34.326
509.44		34.336
509.54		34.346
509.64		34.357
509.74		34.367
509.84	23.999	34.377
509.94		34.387
510.		34.393
510.01		34.394
510.02		34.395
510.05		34.398
510.14		34.407
510.24		34.417
510.34		34.428
510.44		34.438
510.54		34.448
510.64		34.458
510.74		34.468
510.84		34.478
510.94		34.489
511.		34.495
511.01		34.496
511.02		34.497
511.05		34.5
511.14		34.509
511.24		34.519

511.34		34.529
511.44		34.54
511.54		34.55
511.64	24.	34.56
511.74		34.57
511.84		34.58
511.94		34.591
512.		34.597
512.01		34.598
512.02		34.599
512.05		34.602
512.14		34.611
512.24		34.621
512.34		34.632
512.44		34.642
512.54	24.001	34.652
512.64		34.662
512.74		34.673
512.84		34.683
512.94		34.693
513.		34.699
513.01		34.7
513.02		34.701
513.05		34.704
513.14		34.714
513.24		34.724
513.34		34.734
513.44		34.744
513.54		34.755
513.64		34.765
513.74	24.002	34.775
513.84		34.786
513.94		34.796
514.		34.802
514.01		34.803
514.02		34.804
514.05		34.807
514.14		34.817
514.24		34.827
514.34		34.837
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514.54		34.858
514.64		34.868
514.74		34.878
514.84	24.003	34.889
514.94		34.899
515.		34.905
515.01		34.906
515.02		34.907
515.05		34.911
515.14		34.92
515.24		34.93
515.34		34.941
515.44		34.951
515.54		34.961
515.64		34.972
515.74		34.982
515.84	24.004	34.992
515.94		35.003
516.		35.009
516.01		35.01
516.02		35.011
516.05		35.014
516.14		35.024
516.24		35.034
516.34		35.044

516.44		35.055
516.54		35.065
516.64		35.076
516.74		35.086
516.84		35.097
516.94		35.107
517.	24.005	35.113
517.01		35.114
517.02		35.115
517.05		35.118
517.14		35.128
517.24		35.138
517.34		35.149
517.44		35.159
517.54		35.17
517.64		35.18
517.74		35.191
517.84		35.201
517.94		35.211
518.	24.006	35.218
518.01		35.219
518.02		35.22
518.05		35.223
518.14		35.232
518.24		35.243
518.34		35.253
518.44		35.264
518.54		35.274
518.64		35.285
518.74		35.295
518.84		35.306
518.94		35.316
519.		35.323
519.01	24.007	35.324
519.02		35.325
519.05		35.328
519.14		35.337
519.24		35.348
519.34		35.358
519.44		35.369
519.54		35.38
519.64		35.39
519.74		35.401
519.84		35.411
519.94		35.422
520.		35.428
520.01		35.429
520.02	24.008	35.43
520.05		35.433
520.14		35.443
520.24		35.453
520.34		35.464
520.44		35.475
520.54		35.485
520.64		35.496
520.74		35.506
520.84		35.517
520.94		35.527
521.		35.534
521.01	24.009	35.535
521.02		35.536
521.05		35.539
521.14		35.549
521.24		35.559
521.34		35.57
521.44		35.58

521.54		35.591
521.64		35.602
521.74	24.01	35.612
521.84		35.623
521.94		35.634
522.		35.64
522.01		35.641
522.02		35.642
522.05		35.645
522.14		35.655
522.24		35.665
522.34		35.676
522.44		35.687
522.54		35.697
522.64		35.708
522.74		35.719
522.84	24.011	35.729
522.94		35.74
523.		35.746
523.01		35.748
523.02		35.749
523.05		35.752
523.14		35.761
523.24		35.772
523.34		35.783
523.44		35.793
523.54		35.804
523.64		35.815
523.74		35.826
523.84	24.012	35.836
523.94		35.847
524.		35.853
524.01		35.854
524.02		35.855
524.05		35.859
524.14		35.868
524.24		35.879
524.34		35.89
524.44		35.901
524.54		35.911
524.64		35.922
524.74		35.933
524.84		35.943
524.94	24.013	35.954
525.		35.961
525.01		35.962
525.02		35.963
525.05		35.966
525.14		35.976
525.24		35.986
525.34		35.997
525.44		36.008
525.54		36.019
525.64		36.03
525.74		36.04
525.84		36.051
525.94	24.014	36.062
526.		36.068
526.01		36.069
526.02		36.071
526.05		36.074
526.14		36.083
526.24		36.094
526.34		36.105
526.44		36.116
526.54		36.127

526.64		36.137
526.74		36.148
526.84		36.159
526.94		36.17
527.		36.176
527.01		36.178
527.02		36.179
527.05		36.182
527.14		36.192
527.24		36.202
527.34		36.213
527.44	24.015	36.224
527.54		36.235
527.64		36.246
527.74		36.257
527.84		36.268
527.94		36.278
528.		36.285
528.01		36.286
528.02		36.287
528.05		36.29
528.14		36.3
528.24		36.311
528.34		36.322
528.44		36.333
528.54		36.344
528.64	24.016	36.355
528.74		36.365
528.84		36.376
528.94		36.387
529.		36.394
529.01		36.395
529.02		36.396
529.05		36.399
529.14		36.409
529.24		36.42
529.34		36.431
529.44		36.442
529.54		36.453
529.64		36.464
529.74	24.017	36.475
529.84		36.486
529.94		36.496
530.		36.503
530.01		36.504
530.02		36.505
530.05		36.508
530.14		36.518
530.24		36.529
530.34		36.54
530.44		36.551
530.54		36.562
530.64		36.573
530.74	24.018	36.584
530.84		36.595
530.94		36.606
531.		36.613
531.01		36.614
531.02		36.615
531.05		36.618
531.14		36.628
531.24		36.639
531.34		36.65
531.44		36.661
531.54		36.672
531.64		36.683

531.74		36.694
531.84		36.705
531.94		36.716
532.	24.019	36.723
532.01		36.724
532.02		36.725
532.05		36.728
532.14		36.738
532.24		36.749
532.34		36.76
532.44		36.771
532.54		36.782
532.64		36.793
532.74		36.804
532.84	24.02	36.815
532.94		36.826
533.		36.833
533.01		36.834
533.02		36.835
533.05		36.838
533.14		36.848
533.24		36.86
533.34		36.871
533.44		36.882
533.54		36.893
533.64		36.904
533.74		36.915
533.84	24.021	36.926
533.94		36.937
534.		36.944
534.01		36.945
534.02		36.946
534.05		36.949
534.14		36.959
534.24		36.97
534.34		36.981
534.44		36.993
534.54		37.004
534.64		37.015
534.74		37.026
534.84		37.037
534.94	24.022	37.048
535.		37.055
535.01		37.056
535.02		37.057
535.05		37.06
535.14		37.07
535.24		37.082
535.34		37.093
535.44		37.104
535.54		37.115
535.64		37.126
535.74		37.137
535.84		37.148
535.94	24.023	37.16
536.		37.166
536.01		37.167
536.02		37.168
536.05		37.172
536.14		37.182
536.24		37.193
536.34		37.204
536.44		37.215
536.54		37.227
536.64		37.238
536.74		37.249

536.84		37.26
536.94		37.271
537.		37.278
537.01	24.024	37.279
537.02		37.28
537.05		37.284
537.14		37.294
537.24		37.305
537.34		37.316
537.44		37.327
537.54		37.339
537.64		37.35
537.74		37.361
537.84		37.372
537.94	24.025	37.384
538.		37.39
538.01		37.391
538.02		37.393
538.05		37.396
538.14		37.406
538.24		37.417
538.34		37.428
538.44		37.44
538.54		37.451
538.64		37.462
538.74		37.474
538.84		37.485
538.94		37.496
539.	24.026	37.503
539.01		37.504
539.02		37.505
539.05		37.508
539.14		37.519
539.24		37.53
539.34		37.541
539.44		37.552
539.54		37.564
539.64		37.575
539.74		37.586
539.84		37.598
539.94		37.609
540.	24.027	37.616
540.01		37.617
540.02		37.618
540.05		37.621
540.14		37.632
540.24		37.643
540.34		37.654
540.44		37.666
540.54		37.677
540.64		37.688
540.74		37.7
540.84		37.711
540.94		37.722
541.	24.028	37.729
541.01		37.73
541.02		37.731
541.05		37.735
541.14		37.745
541.24		37.756
541.34		37.768
541.44		37.779
541.54		37.79
541.64		37.802
541.74		37.813
541.84		37.824

541.94		37.836
542.		37.843
542.01		37.844
542.02	24.029	37.845
542.05		37.848
542.14		37.859
542.24		37.87
542.34		37.881
542.44		37.893
542.54		37.904
542.64		37.916
542.74		37.927
542.84		37.938
542.94		37.95
543.	24.03	37.957
543.01		37.958
543.02		37.959
543.05		37.962
543.14		37.973
543.24		37.984
543.34		37.995
543.44		38.007
543.54		38.018
543.64		38.03
543.74		38.041
543.84		38.053
543.94		38.064
544.	24.031	38.071
544.01		38.072
544.02		38.073
544.05		38.077
544.14		38.087
544.24		38.098
544.34		38.11
544.44		38.121
544.54		38.133
544.64		38.144
544.74		38.156
544.84		38.167
544.94		38.179
545.	24.032	38.186
545.01		38.187
545.02		38.188
545.05		38.191
545.14		38.202
545.24		38.213
545.34		38.225
545.44		38.236
545.54		38.248
545.64		38.259
545.74		38.271
545.84		38.282
545.94		38.294
546.		38.301
546.01	24.033	38.302
546.02		38.303
546.05		38.306
546.14		38.317
546.24		38.328
546.34		38.34
546.44		38.351
546.54		38.363
546.64		38.374
546.74		38.386
546.84		38.397
546.94		38.409

547.	24.034	38.416
547.01		38.417
547.02		38.418
547.05		38.422
547.14		38.432
547.24		38.444
547.34		38.455
547.44		38.467
547.54	24.035	38.478
547.64		38.49
547.74		38.501
547.84		38.513
547.94		38.525
548.		38.532
548.01		38.533
548.02		38.534
548.05		38.537
548.14		38.548
548.24		38.559
548.34		38.571
548.44	24.036	38.583
548.54		38.594
548.64		38.606
548.74		38.617
548.84		38.629
548.94		38.641
549.		38.648
549.01		38.649
549.02		38.65
549.05		38.653
549.14		38.664
549.24		38.676
549.34		38.687
549.44	24.037	38.699
549.54		38.71
549.64		38.722
549.74		38.734
549.84		38.745
549.94		38.757
550.		38.764
550.01		38.765
550.02		38.766
550.05		38.77
550.14		38.78
550.24		38.792
550.34		38.804
550.44	24.038	38.815
550.54		38.827
550.64		38.839
550.74		38.85
550.84		38.862
550.94		38.874
551.		38.881
551.01		38.882
551.02		38.883
551.05		38.887
551.14		38.897
551.24		38.909
551.34		38.92
551.44	24.039	38.932
551.54		38.944
551.64		38.956
551.74		38.967
551.84		38.979
551.94		38.991
552.		38.998

552.01		38.999
552.02		39.
552.05		39.004
552.14		39.014
552.24		39.026
552.34		39.038
552.44	24.04	39.049
552.54		39.061
552.64		39.073
552.74		39.085
552.84		39.096
552.94		39.108
553.		39.115
553.01		39.116
553.02		39.117
553.05		39.121
553.14		39.132
553.24		39.143
553.34		39.155
553.44	24.041	39.167
553.54		39.179
553.64		39.19
553.74		39.202
553.84		39.214
553.94		39.226
554.		39.233
554.01		39.234
554.02		39.235
554.05		39.239
554.14		39.249
554.24		39.261
554.34		39.273
554.44	24.042	39.285
554.54		39.296
554.64		39.308
554.74		39.32
554.84		39.332
554.94		39.344
555.		39.351
555.01		39.352
555.02		39.353
555.05		39.357
555.14		39.367
555.24		39.379
555.34		39.391
555.44	24.043	39.403
555.54		39.415
555.64		39.426
555.74		39.438
555.84		39.45
555.94		39.462
556.		39.469
556.01		39.47
556.02		39.471
556.05		39.475
556.14		39.486
556.24		39.498
556.34	24.044	39.509
556.44		39.521
556.54		39.533
556.64		39.545
556.74		39.557
556.84		39.569
556.94		39.581
557.		39.588
557.01		39.589

557.02		39.59
557.05		39.594
557.14		39.604
557.24		39.616
557.34	24.045	39.628
557.44		39.64
557.54		39.652
557.64		39.664
557.74		39.676
557.84		39.688
557.94		39.7
558.		39.707
558.01		39.708
558.02		39.709
558.05		39.713
558.14		39.723
558.24		39.735
558.34	24.046	39.747
558.44		39.759
558.54		39.771
558.64		39.783
558.74		39.795
558.84		39.807
558.94		39.819
559.		39.826
559.01		39.827
559.02		39.828
559.05		39.832
559.14		39.843
559.24		39.855
559.34	24.047	39.867
559.44		39.879
559.54		39.891
559.64		39.903
559.74		39.914
559.84		39.926
559.94		39.938
560.		39.946
560.4	24.048	39.993
560.8		40.041
562.	24.049	40.185
565.6	24.053	40.615
569.6	24.057	41.098
573.6	24.061	41.584
577.6	24.065	42.076
581.6	24.07	42.572
585.6	24.074	43.072
589.6	24.078	43.576
593.6	24.082	44.085
597.6	24.087	44.597
600.	24.089	44.908
606.	24.096	45.682
612.	24.103	46.464
630.	24.122	48.775
684.	24.195	56.46
738.	24.275	64.137
798.	24.373	72.44
858.	24.479	80.322
918.	24.594	87.663
978.	24.716	94.389
1038.	24.845	100.46
1098.	24.979	105.88
1158.	25.118	110.64
1200.	25.217	113.66
1212.	25.244	114.49
1224.	25.272	115.29

1260.	25.359	117.51
1296.	25.448	119.53
1404.	25.714	124.13
1512.	25.977	127.37
1632.	26.261	129.64
1752.	26.534	130.81
1872.	26.793	131.11
1992.	27.037	130.74
2112.	27.264	129.84
2232.	27.473	128.54
2352.	27.666	126.92
2400.	27.74	126.19
2412.	27.759	126.01
2424.	27.777	125.82
2460.	27.83	125.3
2568.	27.977	123.48
2676.	28.112	121.55
2796.	28.247	119.32
2916.	28.368	117.02
3036.	28.477	114.69
3156.	28.574	112.33
3276.	28.661	109.97
3396.	28.737	107.61
3516.	28.805	105.27
3600.	28.848	103.62
3612.	28.854	103.38
3624.	28.86	103.15
3660.	28.879	102.49
3768.	28.924	100.43
3876.	28.964	98.403
3996.	29.003	96.203
4116.	29.036	94.046
4236.	29.064	91.935
4356.	29.087	89.871
4476.	29.107	87.855
4596.	29.122	85.888
4716.	29.134	83.97
4800.	29.14	82.639
4812.	29.141	82.451
4824.	29.142	82.263
4860.	29.146	81.727
4968.	29.15	80.087
5076.	29.153	78.486
5196.		76.762
5316.	29.152	75.084
5436.	29.149	73.453
5556.	29.144	71.867
5676.	29.137	70.325
5796.	29.129	68.827
5916.	29.119	67.371
6000.	29.111	66.365
6012.		66.223
6024.	29.11	66.082
6060.	29.107	65.675
6168.	29.096	64.438
6276.	29.084	63.234
6396.	29.07	61.939
6516.	29.055	60.681
6636.	29.04	59.46
6756.	29.024	58.274
6876.	29.007	57.124
6996.	28.99	56.007
7116.	28.972	54.923
7200.	28.959	54.175

FIGURE 22

Model (H4) > Transient Thermal (H5) > Solution (H6) > SWB T

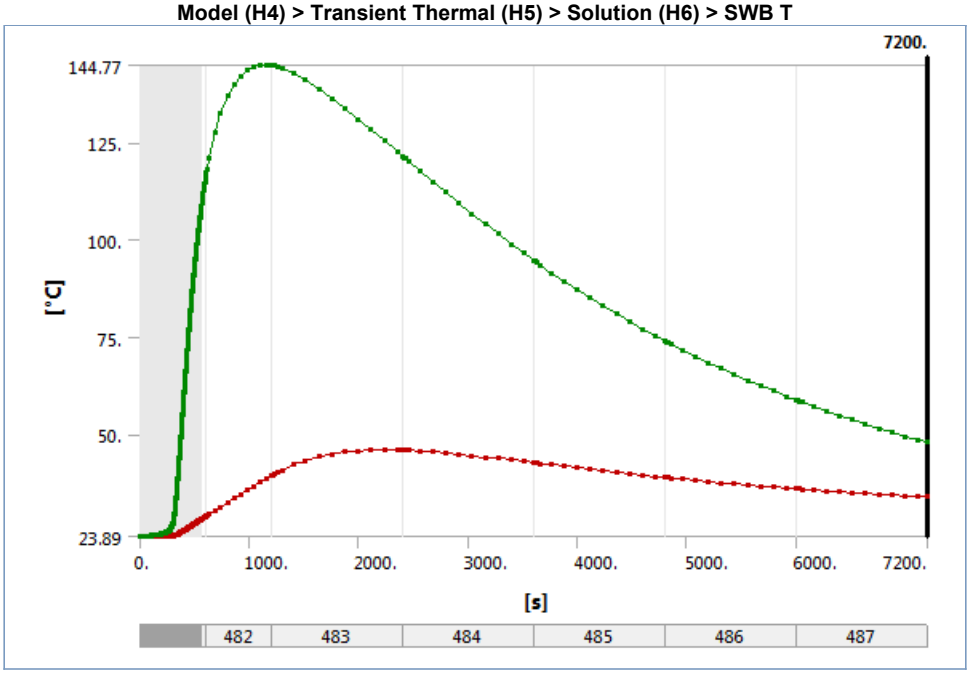

TABLE 30
Model (H4) > Transient Thermal (H5) > Solution (H6) > SWB T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002		
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		

6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		
10.68		23.89
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.22		
14.33		
14.441		
14.641		
14.841		
15.041		
15.241		
15.441		
15.641		
15.841		

16.02	
16.04	
16.1	
16.28	
16.48	
16.68	
16.88	
17.08	
17.28	
17.48	
17.68	
17.88	
18.	23.891
18.02	
18.04	
18.1	
18.28	
18.48	
18.68	
18.88	
19.08	
19.28	
19.48	
19.68	
19.87	23.892
20.	
20.02	
20.04	
20.1	
20.28	
20.48	
20.68	
20.88	
21.08	
21.28	
21.48	
21.68	23.893
21.88	
22.	
22.02	
22.04	
22.1	
22.28	
22.48	
22.68	
22.88	
23.08	23.894
23.28	
23.48	
23.68	
23.861	
24.	
24.02	
24.04	
24.1	
24.28	
24.48	23.895
24.68	
24.88	
25.08	
25.28	
25.48	
25.68	
25.88	
26.	

26.02	23.896
26.04	
26.1	
26.224	
26.424	
26.615	
26.805	
27.005	
27.205	23.897
27.405	
27.605	
27.805	
28.	
28.02	
28.04	
28.1	
28.28	
28.48	23.898
28.68	
28.88	
29.08	
29.28	
29.48	23.899
29.68	
29.88	
30.	
30.02	
30.04	
30.1	
30.28	
30.48	23.9
30.68	
30.88	
31.08	
31.28	
31.48	23.901
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34.68	

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179.94		
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186.54		
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186.94		
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197.44		

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211.54		
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211.74		24.643
211.84		
211.94		24.644
212.		24.645
212.01		
212.02		
212.05		
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212.24		
212.34		24.647
212.44		24.648
212.54		

212.64		24.649
212.74		24.65
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212.94		
213.		24.652
213.01		
213.02		
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213.54		24.656
213.64		24.657
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213.94		24.659
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214.84		24.666
214.94		24.667
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217.64		24.689

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225.64		24.766
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227.84		24.791

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232.94		24.857

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233.84		24.87
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245.94		25.084
246.	23.942	25.085
246.01		
246.02		
246.05		25.086
246.14		25.088
246.24		25.09
246.34		25.092
246.44		25.094
246.54		25.096
246.64		25.098
246.74		25.1
246.84		25.103
246.94		25.105
247.		25.106
247.01		
247.02		
247.05		25.107
247.14	23.943	25.109
247.24		25.111
247.34		25.113
247.44		25.115
247.54		25.117
247.64		25.119
247.74		25.122
247.84		25.124
247.94		25.126
248.		25.127
248.01		
248.02		

248.05		25.128
248.14		25.13
248.24		25.132
248.34	23.944	25.134
248.44		25.137
248.54		25.139
248.64		25.141
248.74		25.143
248.84		25.145
248.94		25.147
249.		25.149
249.01		
249.02		
249.05		25.15
249.14		25.152
249.24		25.154
249.34		25.156
249.44	23.945	25.158
249.54		25.161
249.64		25.163
249.74		25.165
249.84		25.167
249.94		25.169
250.		25.171
250.01		
250.02		
250.05		25.172
250.14		25.174
250.24		25.176
250.34		25.178
250.44		25.18
250.54	23.946	25.183
250.64		25.185
250.74		25.187
250.84		25.189
250.94		25.191
251.		25.193
251.01		
251.02		
251.05		25.194
251.14		25.196
251.24		25.198
251.34		25.2
251.44		25.203
251.54		25.205
251.64	23.947	25.207
251.74		25.209
251.84		25.212
251.94		25.214
252.		25.215
252.01		
252.02		25.216
252.05		
252.14		25.218
252.24		25.221
252.34		25.223
252.44		25.225
252.54		25.227
252.64		25.23
252.74	23.948	25.232
252.84		25.234
252.94		25.236
253.		25.238
253.01		
253.02		
253.05		25.239

253.14		25.241
253.24		25.243
253.34		25.246
253.44		25.248
253.54		25.25
253.64		25.252
253.74	23.949	25.255
253.84		25.257
253.94		25.259
254.		25.261
254.01		
254.02		
254.05		25.262
254.14		25.264
254.24		25.266
254.34		25.268
254.44		25.271
254.54		25.273
254.64		25.275
254.74		25.278
254.84	23.95	25.28
254.94		25.282
255.		25.284
255.01		
255.02		
255.05		25.285
255.14		25.287
255.24		25.289
255.34		25.292
255.44		25.294
255.54		25.296
255.64		25.299
255.74		25.301
255.84	23.951	25.304
255.94		25.306
256.		25.307
256.01		25.308
256.02		
256.05		
256.14		25.311
256.24		25.313
256.34		25.315
256.44		25.318
256.54		25.32
256.64		25.322
256.74		25.325
256.84	23.952	25.327
256.94		25.33
257.		25.331
257.01		
257.02		25.332
257.05		
257.14		25.334
257.24		25.337
257.34		25.339
257.44		25.342
257.54		25.344
257.64		25.346
257.74		25.349
257.84	23.953	25.351
257.94		25.354
258.		25.355
258.01		
258.02		25.356
258.05		
258.14		25.358

258.24		25.361
258.34		25.363
258.44		25.366
258.54		25.368
258.64		25.371
258.74		25.373
258.84	23.954	25.375
258.94		25.378
259.		25.379
259.01		25.38
259.02		
259.05		25.381
259.14		25.383
259.24		25.385
259.34		25.388
259.44		25.39
259.54		25.393
259.64		25.395
259.74		25.398
259.84	23.955	25.4
259.94		25.403
260.		25.404
260.01		
260.02		25.405
260.05		
260.14		25.408
260.24		25.41
260.34		25.413
260.44		25.415
260.54		25.418
260.64		25.42
260.74		25.423
260.84	23.956	25.425
260.94		25.428
261.		25.429
261.01		
261.02		25.43
261.05		
261.14		25.433
261.24		25.435
261.34		25.438
261.44		25.44
261.54		25.443
261.64		25.446
261.74	23.957	25.448
261.84		25.451
261.94		25.453
262.		25.455
262.01		
262.02		
262.05		25.456
262.14		25.458
262.24		25.461
262.34		25.464
262.44		25.466
262.54		25.469
262.64		25.471
262.74	23.958	25.474
262.84		25.477
262.94		25.479
263.		25.481
263.01		
263.02		
263.05		25.482
263.14		25.484
263.24		25.487

263.34		25.49
263.44		25.492
263.54		25.495
263.64	23.959	25.498
263.74		25.5
263.84		25.503
263.94		25.505
264.		25.507
264.01		
264.02		25.508
264.05		
264.14		25.511
264.24		25.513
264.34		25.516
264.44		25.519
264.54	23.96	25.521
264.64		25.524
264.74		25.527
264.84		25.529
264.94		25.532
265.		25.534
265.01		
265.02		
265.05		25.535
265.14		25.537
265.24		25.54
265.34		25.543
265.44	23.961	25.545
265.54		25.548
265.64		25.551
265.74		25.553
265.84		25.556
265.94		25.559
266.		25.56
266.01		25.561
266.02		
266.05		25.562
266.14		25.564
266.24		25.567
266.34	23.962	25.57
266.44		25.572
266.54		25.575
266.64		25.578
266.74		25.581
266.84		25.583
266.94		25.586
267.		25.588
267.01		
267.02		
267.05		25.589
267.14	23.963	25.591
267.24		25.594
267.34		25.597
267.44		25.6
267.54		25.602
267.64		25.605
267.74		25.608
267.84		25.611
267.94		25.613
268.		25.615
268.01	23.964	
268.02		25.616
268.05		
268.14		25.619
268.24		25.622
268.34		25.624

268.44		25.627
268.54		25.63
268.64		25.633
268.74		25.636
268.84		25.638
268.94	23.965	25.641
269.		25.643
269.01		
269.02		
269.05		25.644
269.14		25.647
269.24		25.65
269.34		25.652
269.44		25.655
269.54		25.658
269.64		25.661
269.74	23.966	25.664
269.84		25.667
269.94		25.669
270.		25.671
270.01		
270.02		25.672
270.05		25.673
270.14		25.675
270.24		25.678
270.34		25.681
270.44		25.684
270.54		25.687
270.64	23.967	25.69
270.74		25.692
270.84		25.695
270.94		25.698
271.		25.7
271.01		
271.02		25.701
271.05		
271.14		25.704
271.24		25.707
271.34		25.71
271.44	23.968	25.713
271.54		25.716
271.64		25.719
271.74		25.722
271.84		25.724
271.94		25.727
272.		25.729
272.01		
272.02		25.73
272.05		25.731
272.14		25.733
272.24	23.969	25.736
272.34		25.739
272.44		25.742
272.54		25.745
272.64		25.748
272.74		25.751
272.84		25.754
272.94		25.757
273.	23.97	25.759
273.01		
273.02		
273.05		25.76
273.14		25.763
273.24		25.766
273.34		25.769
273.44		25.772

273.54		25.775
273.64		25.778
273.74		25.781
273.84	23.971	25.784
273.94		25.787
274.		25.789
274.01		
274.02		
274.05		25.79
274.14		25.793
274.24		25.796
274.34		25.799
274.44		25.802
274.54		25.805
274.64	23.972	25.808
274.74		25.811
274.84		25.814
274.94		25.817
275.		25.819
275.01		25.82
275.02		
275.05		25.821
275.14		25.824
275.24		25.827
275.34		25.83
275.44	23.973	25.833
275.54		25.836
275.64		25.839
275.74		25.842
275.84		25.845
275.94		25.849
276.		25.85
276.01		25.851
276.02		
276.05		25.852
276.14	23.974	25.855
276.24		25.858
276.34		25.861
276.44		25.864
276.54		25.867
276.64		25.871
276.74		25.874
276.84		25.877
276.94	23.975	25.88
277.		25.882
277.01		
277.02		25.883
277.05		25.884
277.14		25.886
277.24		25.89
277.34		25.893
277.44		25.896
277.54		25.899
277.64	23.976	25.902
277.74		25.906
277.84		25.909
277.94		25.912
278.		25.914
278.01		
278.02		25.915
278.05		25.916
278.14		25.918
278.24		25.922
278.34		25.925
278.44		25.928
278.54		25.931

278.64	23.977	25.935
278.74		25.938
278.84		25.941
278.94		25.944
279.		25.946
279.01		25.947
279.02		
279.05		25.948
279.14	23.978	25.951
279.24		25.954
279.34		25.958
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279.54		25.964
279.64		25.968
279.74		25.971
279.84	23.979	25.974
279.94		25.978
280.		25.98
280.01		
280.02		
280.05		25.981
280.14		25.985
280.24		25.988
280.34		25.991
280.44		25.995
280.54	23.98	25.998
280.64		26.002
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280.84		26.009
280.94		26.012
281.		26.015
281.01		
281.02		
281.05		26.016
281.14		26.02
281.24	23.981	26.023
281.34		26.027
281.44		26.031
281.54		26.034
281.64		26.038
281.74		26.042
281.84		26.045
281.94	23.982	26.049
282.		26.051
282.01		26.052
282.02		
282.05		26.053
282.14		26.057
282.24		26.06
282.34		26.064
282.44		26.068
282.54	23.983	26.072
282.64		26.076
282.74		26.08
282.84		26.084
282.94		26.088
283.		26.09
283.01		
283.02		26.091
283.05		26.092
283.14	23.984	26.096
283.24		26.1
283.34		26.104
283.44		26.108
283.54		26.112
283.64		26.116

283.74		26.12
283.84	23.985	26.124
283.94		26.128
284.		26.131
284.01		
284.02		26.132
284.05		26.133
284.14		26.137
284.24		26.141
284.34	23.986	26.145
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284.54		26.154
284.64		26.159
284.74		26.163
284.84		26.167
284.94	23.987	26.172
285.		26.175
285.01		
285.02		
285.05		26.177
285.14		26.181
285.24		26.185
285.34		26.19
285.44		26.195
285.54	23.988	26.199
285.64		26.204
285.74		26.209
285.84		26.213
285.94		26.218
286.	23.989	26.221
286.01		
286.02		26.222
286.05		26.223
286.14		26.228
286.24		26.232
286.34		26.237
286.44		26.242
286.54	23.99	26.247
286.64		26.252
286.74		26.257
286.84		26.262
286.94		26.267
287.		26.27
287.01		26.271
287.02		
287.05	23.991	26.273
287.14		26.277
287.24		26.282
287.34		26.288
287.44		26.293
287.54	23.992	26.298
287.64		26.303
287.74		26.309
287.84		26.314
287.94		26.319
288.	23.993	26.322
288.01		26.323
288.02		26.324
288.05		26.325
288.14		26.33
288.24		26.335
288.34		26.341
288.44		26.346
288.54	23.994	26.352
288.64		26.358
288.74		26.363

288.84		26.369
288.94	23.995	26.375
289.		26.378
289.01		26.379
289.02		
289.05		26.381
289.14		26.386
289.24		26.392
289.34		26.398
289.44	23.996	26.403
289.54		26.409
289.64		26.415
289.74		26.421
289.84	23.997	26.427
289.94		26.433
290.		26.436
290.01		26.437
290.02		26.438
290.05		26.44
290.14		26.445
290.24	23.998	26.451
290.34		26.457
290.44		26.463
290.54		26.469
290.64		26.476
290.74	23.999	26.482
290.84		26.488
290.94		26.494
291.		26.498
291.01		26.499
291.02		
291.05		26.501
291.14	24.	26.507
291.24		26.513
291.34		26.52
291.44		26.526
291.54	24.001	26.533
291.64		26.539
291.74		26.546
291.84		26.553
291.94	24.002	26.559
292.		26.563
292.01		26.564
292.02		26.565
292.05		26.567
292.14		26.573
292.24		26.58
292.34	24.003	26.586
292.44		26.593
292.54		26.6
292.64	24.004	26.607
292.74		26.614
292.84		26.621
292.94		26.628
293.	24.005	26.633
293.01		
293.02		26.634
293.05		26.636
293.14		26.643
293.24		26.65
293.34		26.657
293.44	24.006	26.664
293.54		26.672
293.64		26.679
293.74		26.686
293.84		26.694

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294.01		26.707
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294.05		26.71
294.14	24.008	26.716
294.24		26.724
294.34		26.732
294.44	24.009	26.739
294.54		26.747
294.64		26.755
294.74	24.01	26.763
294.84		26.771
294.94		26.779
295.		26.784
295.01		26.785
295.02		
295.05		26.788
295.14	24.011	26.795
295.24		26.803
295.34		26.811
295.44	24.012	26.819
295.54		26.828
295.64		26.836
295.74	24.013	26.844
295.84		26.853
295.94		26.861
296.		26.866
296.01		26.867
296.02	24.014	26.868
296.05		26.871
296.14		26.878
296.24		26.887
296.34	24.015	26.895
296.44		26.904
296.54		26.913
296.64	24.016	26.922
296.74		26.931
296.84		26.94
296.94	24.017	26.949
297.		26.954
297.01		26.955
297.02		26.956
297.05		26.959
297.14		26.967
297.24	24.018	26.976
297.34		26.985
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297.54	24.019	27.004
297.64		27.013
297.74		27.022
297.84	24.02	27.032
297.94		27.041
298.		27.047
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298.02		27.049
298.05		27.052
298.14	24.021	27.061
298.24		27.07
298.34	24.022	27.08
298.44		27.09
298.54		27.1
298.64	24.023	27.11
298.74		27.12
298.84		27.13
298.94		27.14

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299.01		27.148
299.02		27.149
299.05		27.152
299.14	24.025	27.161
299.24		27.171
299.34		27.182
299.44	24.026	27.192
299.54		27.202
299.64	24.027	27.213
299.74		27.224
299.84		27.234
299.94	24.028	27.245
300.		27.252
300.01		27.253
300.02		27.254
300.05		27.257
300.14	24.029	27.267
300.24		27.278
300.34		27.289
300.44	24.03	27.3
300.54		27.311
300.64	24.031	27.322
300.74		27.333
300.84		27.344
300.94	24.032	27.356
301.		27.363
301.01		27.364
301.02		27.365
301.05		27.368
301.14	24.033	27.379
301.24		27.39
301.34	24.034	27.402
301.44		27.414
301.54	24.035	27.425
301.64		27.437
301.74		27.449
301.84	24.036	27.461
301.94		27.473
302.	24.037	27.48
302.01		27.482
302.02		27.483
302.05		27.487
302.14		27.497
302.24	24.038	27.51
302.34		27.522
302.44	24.039	27.535
302.54		27.547
302.64	24.04	27.56
302.74		27.572
302.84		27.585
302.94	24.041	27.598
303.		27.606
303.01		27.607
303.02		27.608
303.05		27.612
303.14	24.042	27.624
303.24		27.637
303.34	24.043	27.65
303.44		27.663
303.54	24.044	27.677
303.64		27.69
303.74	24.045	27.704
303.84		27.717
303.94		27.731
304.		27.739

304.01	24.046	27.74
304.02		27.742
304.05		27.746
304.14	24.047	27.758
304.24		27.772
304.34	24.048	27.786
304.44		27.8
304.54	24.049	27.814
304.64	24.05	27.828
304.74		27.843
304.84	24.051	27.857
304.94		27.871
305.		27.88
305.01	24.052	27.881
305.02		27.883
305.05		27.887
305.14		27.9
305.24	24.053	27.915
305.34		27.93
305.44	24.054	27.944
305.54		27.959
305.64	24.055	27.974
305.74	24.056	27.989
305.84		28.004
305.94	24.057	28.02
306.		28.029
306.01		28.03
306.02		28.032
306.05		28.036
306.14	24.058	28.05
306.24		28.066
306.34	24.059	28.081
306.44	24.06	28.097
306.54		28.113
306.64	24.061	28.129
306.74		28.145
306.84	24.062	28.161
306.94		28.177
307.	24.063	28.187
307.01		28.188
307.02		28.19
307.05		28.195
307.14	24.064	28.209
307.24		28.226
307.34	24.065	28.242
307.44	24.066	28.259
307.54		28.276
307.64	24.067	28.292
307.74		28.309
307.84	24.068	28.326
307.94	24.069	28.343
308.		28.354
308.01		28.355
308.02		28.357
308.05		28.362
308.14	24.07	28.378
308.24	24.071	28.395
308.34		28.412
308.44	24.072	28.43
308.54	24.073	28.447
308.64		28.465
308.74	24.074	28.482
308.84		28.5
308.94	24.075	28.518
309.		28.529
309.01		28.53

309.02	24.076	28.532
309.05		28.538
309.14		28.554
309.24	24.077	28.572
309.34	24.078	28.59
309.44	24.079	28.608
309.54		28.626
309.64	24.08	28.645
309.74	24.081	28.663
309.84		28.682
309.94	24.082	28.7
310.		28.712
310.01		28.714
310.02	24.083	28.715
310.05		28.721
310.14		28.738
310.24	24.084	28.757
310.34	24.085	28.776
310.44		28.795
310.54	24.086	28.814
310.64	24.087	28.833
310.74	24.088	28.852
310.84		28.871
310.94	24.089	28.891
311.		28.903
311.01	24.09	28.905
311.02		28.907
311.05		28.912
311.14	24.091	28.93
311.24		28.95
311.34	24.092	28.969
311.44	24.093	28.989
311.54		29.009
311.64	24.094	29.029
311.74	24.095	29.049
311.84	24.096	29.07
311.94		29.09
312.	24.097	29.102
312.01		29.104
312.02		29.106
312.05		29.112
312.14	24.098	29.131
312.24	24.099	29.151
312.34	24.1	29.172
312.44		29.192
312.54	24.101	29.213
312.64	24.102	29.234
312.74	24.103	29.255
312.84		29.276
312.94	24.104	29.297
313.	24.105	29.31
313.01		29.312
313.02		29.314
313.05		29.32
313.14	24.106	29.339
313.24	24.107	29.361
313.34		29.382
313.44	24.108	29.403
313.54	24.109	29.425
313.64	24.11	29.446
313.74	24.111	29.468
313.84		29.49
313.94	24.112	29.512
314.	24.113	29.525
314.01		29.527
314.02		29.529

314.05		29.536
314.14	24.114	29.555
314.24	24.115	29.577
314.34	24.116	29.6
314.44		29.622
314.54	24.117	29.644
314.64	24.118	29.666
314.74	24.119	29.689
314.84	24.12	29.711
314.94	24.121	29.734
315.		29.748
315.01		29.75
315.02		29.752
315.05	24.122	29.759
315.14		29.779
315.24	24.123	29.802
315.34	24.124	29.825
315.44	24.125	29.848
315.54	24.126	29.871
315.64	24.127	29.894
315.74		29.917
315.84	24.128	29.94
315.94	24.129	29.964
316.	24.13	29.978
316.01		29.98
316.02		29.982
316.05		29.989
316.14	24.131	30.01
316.24	24.132	30.034
316.34	24.133	30.057
316.44	24.134	30.081
316.54	24.135	30.105
316.64		30.129
316.74	24.136	30.153
316.84	24.137	30.176
316.94	24.138	30.201
317.	24.139	30.215
317.01		30.217
317.02		30.22
317.05		30.227
317.14	24.14	30.249
317.24	24.141	30.273
317.34	24.142	30.298
317.44	24.143	30.322
317.54	24.144	30.346
317.64	24.145	30.371
317.74		30.396
317.84	24.146	30.421
317.94	24.147	30.445
318.	24.148	30.46
318.01		30.463
318.02		30.465
318.05		30.473
318.14	24.149	30.495
318.24	24.15	30.52
318.34	24.151	30.545
318.44	24.152	30.571
318.54	24.153	30.596
318.64	24.154	30.621
318.74	24.155	30.647
318.84	24.156	30.672
318.94	24.157	30.697
319.		30.713
319.01	24.158	30.715
319.02		30.718
319.05		30.726

319.14	24.159	30.749
319.24	24.16	30.774
319.34	24.161	30.8
319.44	24.162	30.826
319.54	24.163	30.852
319.64	24.164	30.878
319.74	24.165	30.904
319.84	24.166	30.93
319.94	24.167	30.956
320.		30.972
320.01		30.974
320.02		30.977
320.05	24.168	30.985
320.14	24.169	31.009
320.24	24.17	31.035
320.34	24.171	31.061
320.44	24.172	31.088
320.54	24.173	31.114
320.64	24.174	31.141
320.74	24.175	31.168
320.84	24.176	31.195
320.94	24.177	31.222
321.		31.238
321.01		31.241
321.02	24.178	31.243
321.05		31.252
321.14	24.179	31.276
321.24	24.18	31.303
321.34	24.181	31.33
321.44	24.182	31.358
321.54	24.183	31.385
321.64	24.184	31.412
321.74	24.185	31.44
321.84	24.186	31.467
321.94	24.187	31.495
322.	24.188	31.512
322.01		31.515
322.02		31.517
322.05		31.526
322.14	24.189	31.551
322.24	24.19	31.578
322.34	24.191	31.606
322.44	24.192	31.634
322.54	24.193	31.662
322.64	24.195	31.69
322.74	24.196	31.719
322.84	24.197	31.747
322.94	24.198	31.775
323.		31.792
323.01	24.199	31.795
323.02		31.798
323.05		31.806
323.14	24.2	31.832
323.24	24.201	31.86
323.34	24.202	31.889
323.44	24.203	31.917
323.54	24.204	31.946
323.64	24.205	31.975
323.74	24.206	32.003
323.84	24.208	32.032
323.94	24.209	32.061
324.		32.078
324.01		32.081
324.02	24.21	32.084
324.05		32.093
324.14	24.211	32.119

324.24	24.212	32.148
324.34	24.213	32.177
324.44	24.214	32.206
324.54	24.215	32.236
324.64	24.216	32.265
324.74	24.218	32.294
324.84	24.219	32.324
324.94	24.22	32.353
325.	24.221	32.371
325.01		32.374
325.02		32.377
325.05		32.386
325.14	24.222	32.413
325.24	24.223	32.442
325.34	24.224	32.472
325.44	24.226	32.502
325.54	24.227	32.532
325.64	24.228	32.562
325.74	24.229	32.592
325.84	24.23	32.622
325.94	24.231	32.652
326.	24.232	32.671
326.01		32.674
326.02		32.677
326.05	24.233	32.686
326.14	24.234	32.713
326.24	24.235	32.743
326.34	24.236	32.774
326.44	24.237	32.804
326.54	24.238	32.835
326.64	24.24	32.865
326.74	24.241	32.896
326.84	24.242	32.927
326.94	24.243	32.957
327.	24.244	32.976
327.01		32.979
327.02		32.982
327.05		32.991
327.14	24.245	33.019
327.24	24.247	33.05
327.34	24.248	33.08
327.44	24.249	33.111
327.54	24.25	33.142
327.64	24.251	33.173
327.74	24.253	33.204
327.84	24.254	33.235
327.94	24.255	33.266
328.	24.256	33.285
328.01		33.288
328.02		33.291
328.05		33.301
328.14	24.257	33.329
328.24	24.259	33.36
328.34	24.26	33.391
328.44	24.261	33.423
328.54	24.262	33.454
328.64	24.263	33.486
328.74	24.265	33.517
328.84	24.266	33.548
328.94	24.267	33.58
329.	24.268	33.599
329.01		33.602
329.02		33.605
329.05		33.615
329.14	24.27	33.643
329.24	24.271	33.675

329.34	24.272	33.707
329.44	24.273	33.738
329.54	24.275	33.77
329.64	24.276	33.802
329.74	24.277	33.834
329.84	24.278	33.866
329.94	24.279	33.898
330.	24.28	33.917
330.01		33.92
330.02		33.923
330.05	24.281	33.933
330.14	24.282	33.962
330.24	24.283	33.994
330.34	24.284	34.026
330.44	24.286	34.058
330.54	24.287	34.09
330.64	24.288	34.122
330.74	24.289	34.154
330.84	24.291	34.187
330.94	24.292	34.219
331.	24.293	34.238
331.01		34.242
331.02		34.245
331.05		34.255
331.14	24.295	34.284
331.24	24.296	34.316
331.34	24.297	34.348
331.44	24.298	34.381
331.54	24.3	34.413
331.64	24.301	34.446
331.74	24.302	34.478
331.84	24.303	34.511
331.94	24.305	34.543
332.		34.563
332.01	24.306	34.566
332.02		34.569
332.05		34.579
332.14	24.307	34.609
332.24	24.309	34.641
332.34	24.31	34.674
332.44	24.311	34.707
332.54	24.312	34.739
332.64	24.314	34.772
332.74	24.315	34.805
332.84	24.316	34.838
332.94	24.318	34.871
333.		34.891
333.01		34.894
333.02	24.319	34.897
333.05		34.907
333.14	24.32	34.937
333.24	24.321	34.97
333.34	24.323	35.003
333.44	24.324	35.036
333.54	24.325	35.069
333.64	24.327	35.102
333.74	24.328	35.135
333.84	24.329	35.168
333.94	24.331	35.202
334.		35.222
334.01	24.332	35.225
334.02		35.228
334.05		35.238
334.14	24.333	35.268
334.24	24.335	35.302
334.34	24.336	35.335

334.44	24.337	35.368
334.54	24.338	35.402
334.64	24.34	35.435
334.74	24.341	35.469
334.84	24.342	35.502
334.94	24.344	35.536
335.	24.345	35.556
335.01		35.56
335.02		35.563
335.05		35.573
335.14	24.346	35.603
335.24	24.348	35.637
335.34	24.349	35.671
335.44	24.35	35.705
335.54	24.352	35.738
335.64	24.353	35.772
335.74	24.354	35.806
335.84	24.356	35.84
335.94	24.357	35.874
336.	24.358	35.894
336.01		35.898
336.02		35.901
336.05	24.359	35.911
336.14	24.36	35.942
336.24	24.361	35.976
336.34	24.363	36.01
336.44	24.364	36.044
336.54	24.365	36.078
336.64	24.367	36.112
336.74	24.368	36.146
336.84	24.369	36.181
336.94	24.371	36.215
337.	24.372	36.235
337.01		36.239
337.02		36.242
337.05		36.253
337.14	24.373	36.283
337.24	24.375	36.318
337.34	24.376	36.352
337.44	24.378	36.387
337.54	24.379	36.421
337.64	24.38	36.456
337.74	24.382	36.49
337.84	24.383	36.525
337.94	24.384	36.559
338.	24.385	36.58
338.01		36.583
338.02	24.386	36.587
338.05		36.597
338.14	24.387	36.628
338.24	24.389	36.663
338.34	24.39	36.698
338.44	24.391	36.732
338.54	24.393	36.767
338.64	24.394	36.802
338.74	24.396	36.836
338.84	24.397	36.871
338.94	24.398	36.906
339.	24.399	36.927
339.01		36.93
339.02		36.934
339.05	24.4	36.944
339.14	24.401	36.976
339.24	24.402	37.011
339.34	24.404	37.046
339.44	24.405	37.081

339.54	24.407	37.116
339.64	24.408	37.151
339.74	24.409	37.186
339.84	24.411	37.221
339.94	24.412	37.256
340.	24.413	37.277
340.01		37.28
340.02		37.284
340.05	24.414	37.294
340.14	24.415	37.326
340.24	24.417	37.361
340.34	24.418	37.396
340.44	24.419	37.432
340.54	24.421	37.467
340.64	24.422	37.502
340.74	24.424	37.537
340.84	24.425	37.573
340.94	24.426	37.608
341.	24.427	37.629
341.01		37.633
341.02	24.428	37.636
341.05		37.647
341.14	24.429	37.679
341.24	24.431	37.714
341.34	24.432	37.749
341.44	24.434	37.785
341.54	24.435	37.82
341.64	24.436	37.856
341.74	24.438	37.891
341.84	24.439	37.927
341.94	24.441	37.962
342.	24.442	37.983
342.01		37.987
342.02		37.991
342.05		38.001
342.14	24.444	38.033
342.24	24.445	38.069
342.34	24.447	38.104
342.44	24.448	38.14
342.54	24.449	38.175
342.64	24.451	38.211
342.74	24.452	38.247
342.84	24.454	38.282
342.94	24.455	38.318
343.	24.456	38.339
343.01		38.343
343.02		38.346
343.05	24.457	38.357
343.14	24.458	38.389
343.24	24.459	38.425
343.34	24.461	38.46
343.44	24.462	38.496
343.54	24.464	38.532
343.64	24.465	38.568
343.74	24.467	38.603
343.84	24.468	38.639
343.94	24.47	38.675
344.	24.471	38.697
344.01		38.7
344.02		38.704
344.05		38.715
344.14	24.473	38.747
344.24	24.474	38.783
344.34	24.476	38.819
344.44	24.477	38.854
344.54	24.478	38.89

344.64	24.48	38.926
344.74	24.481	38.962
344.84	24.483	38.998
344.94	24.484	39.034
345.	24.485	39.056
345.01		39.06
345.02		39.063
345.05	24.486	39.074
345.14	24.487	39.106
345.24	24.489	39.142
345.34	24.49	39.179
345.44	24.492	39.215
345.54	24.493	39.251
345.64	24.495	39.287
345.74	24.496	39.323
345.84	24.498	39.359
345.94	24.499	39.395
346.	24.5	39.417
346.01		39.421
346.02		39.424
346.05	24.501	39.435
346.14	24.502	39.468
346.24	24.503	39.504
346.34	24.505	39.54
346.44	24.506	39.576
346.54	24.508	39.613
346.64	24.509	39.649
346.74	24.511	39.685
346.84	24.512	39.721
346.94	24.514	39.758
347.	24.515	39.78
347.01		39.783
347.02		39.787
347.05	24.516	39.798
347.14	24.517	39.83
347.24	24.518	39.867
347.34	24.52	39.903
347.44	24.521	39.94
347.54	24.523	39.976
347.64	24.524	40.012
347.74	24.526	40.049
347.84	24.527	40.085
347.94	24.529	40.122
348.	24.53	40.144
348.01		40.147
348.02		40.151
348.05	24.531	40.162
348.14	24.532	40.195
348.24	24.533	40.231
348.34	24.535	40.268
348.44	24.536	40.304
348.54	24.538	40.341
348.64	24.539	40.377
348.74	24.541	40.414
348.84	24.542	40.45
348.94	24.544	40.487
349.	24.545	40.509
349.01		40.512
349.02		40.516
349.05	24.546	40.527
349.14	24.547	40.56
349.24	24.548	40.596
349.34	24.55	40.633
349.44	24.552	40.67
349.54	24.553	40.706
349.64	24.555	40.743

349.74	24.556	40.78
349.84	24.558	40.816
349.94	24.559	40.853
350.	24.56	40.875
350.01		40.879
350.02		40.883
350.05	24.561	40.894
350.14	24.562	40.927
350.24	24.564	40.963
350.34	24.565	41.
350.44	24.567	41.037
350.54	24.568	41.074
350.64	24.57	41.11
350.74	24.571	41.147
350.84	24.573	41.184
350.94	24.574	41.221
351.	24.575	41.243
351.01		41.247
351.02	24.576	41.25
351.05		41.261
351.14	24.577	41.295
351.24	24.579	41.331
351.34	24.58	41.368
351.44	24.582	41.405
351.54	24.584	41.442
351.64	24.585	41.479
351.74	24.587	41.516
351.84	24.588	41.553
351.94	24.59	41.589
352.	24.591	41.612
352.01		41.615
352.02		41.619
352.05		41.63
352.14	24.593	41.663
352.24	24.594	41.7
352.34	24.596	41.737
352.44	24.597	41.774
352.54	24.599	41.811
352.64	24.601	41.848
352.74	24.602	41.885
352.84	24.604	41.922
352.94	24.605	41.959
353.	24.606	41.981
353.01		41.984
353.02		41.988
353.05	24.607	41.999
353.14	24.608	42.033
353.24	24.61	42.069
353.34	24.611	42.106
353.44	24.613	42.143
353.54	24.614	42.18
353.64	24.616	42.217
353.74	24.618	42.254
353.84	24.619	42.291
353.94	24.621	42.328
354.	24.622	42.35
354.01		42.354
354.02		42.358
354.05		42.369
354.14	24.624	42.402
354.24	24.625	42.439
354.34	24.627	42.476
354.44	24.628	42.513
354.54	24.63	42.55
354.64	24.632	42.587
354.74	24.633	42.624

354.84	24.635	42.661
354.94	24.636	42.698
355.	24.637	42.72
355.01		42.723
355.02		42.727
355.05	24.638	42.738
355.14	24.639	42.772
355.24	24.641	42.809
355.34	24.642	42.846
355.44	24.644	42.883
355.54	24.646	42.92
355.64	24.647	42.957
355.74	24.649	42.994
355.84	24.65	43.031
355.94	24.652	43.068
356.	24.653	43.09
356.01		43.094
356.02		43.097
356.05	24.654	43.108
356.14	24.655	43.142
356.24	24.657	43.179
356.34	24.658	43.216
356.44	24.66	43.253
356.54	24.661	43.29
356.64	24.663	43.327
356.74	24.664	43.364
356.84	24.666	43.401
356.94	24.668	43.438
357.		43.46
357.01	24.669	43.464
357.02		43.467
357.05		43.478
357.14	24.671	43.512
357.24	24.672	43.549
357.34	24.674	43.586
357.44	24.675	43.623
357.54	24.677	43.66
357.64	24.679	43.697
357.74	24.68	43.734
357.84	24.682	43.771
357.94	24.683	43.808
358.	24.684	43.83
358.01		43.834
358.02	24.685	43.837
358.05		43.849
358.14	24.686	43.882
358.24	24.688	43.919
358.34	24.69	43.956
358.44	24.691	43.993
358.54	24.693	44.03
358.64	24.694	44.067
358.74	24.696	44.104
358.84	24.697	44.142
358.94	24.699	44.179
359.	24.7	44.201
359.01		44.205
359.02		44.208
359.05	24.701	44.22
359.14	24.702	44.253
359.24	24.704	44.29
359.34	24.705	44.327
359.44	24.707	44.364
359.54	24.709	44.402
359.64	24.71	44.439
359.74	24.712	44.476
359.84	24.713	44.513

359.94	24.715	44.55
360.	24.716	44.572
360.01		44.576
360.02		44.58
360.05	24.717	44.591
360.14	24.718	44.624
360.24	24.72	44.661
360.34	24.721	44.699
360.44	24.723	44.736
360.54	24.724	44.773
360.64	24.726	44.81
360.74	24.728	44.847
360.84	24.729	44.885
360.94	24.731	44.922
361.	24.732	44.944
361.01		44.948
361.02		44.952
361.05	24.733	44.963
361.14	24.734	44.996
361.24	24.736	45.033
361.34	24.737	45.071
361.44	24.739	45.108
361.54	24.74	45.145
361.64	24.742	45.182
361.74	24.744	45.22
361.84	24.745	45.257
361.94	24.747	45.294
362.	24.748	45.316
362.01		45.32
362.02		45.324
362.05	24.749	45.335
362.14	24.75	45.369
362.24	24.752	45.406
362.34	24.753	45.443
362.44	24.755	45.48
362.54	24.757	45.518
362.64	24.758	45.555
362.74	24.76	45.592
362.84	24.761	45.63
362.94	24.763	45.667
363.	24.764	45.689
363.01		45.693
363.02		45.697
363.05	24.765	45.708
363.14	24.766	45.741
363.24	24.768	45.779
363.34	24.769	45.816
363.44	24.771	45.853
363.54	24.773	45.89
363.64	24.774	45.928
363.74	24.776	45.965
363.84	24.777	46.002
363.94	24.779	46.04
364.	24.78	46.062
364.01		46.066
364.02		46.069
364.05	24.781	46.081
364.14	24.782	46.114
364.24	24.784	46.152
364.34	24.786	46.189
364.44	24.787	46.226
364.54	24.789	46.263
364.64	24.79	46.301
364.74	24.792	46.338
364.84	24.794	46.375
364.94	24.795	46.413

365.	24.796	46.435
365.01		46.439
365.02	24.797	46.443
365.05		46.454
365.14	24.799	46.487
365.24	24.8	46.525
365.34	24.802	46.562
365.44	24.803	46.599
365.54	24.805	46.637
365.64	24.807	46.674
365.74	24.808	46.711
365.84	24.81	46.749
365.94	24.812	46.786
366.		46.808
366.01	24.813	46.812
366.02		46.816
366.05		46.827
366.14	24.815	46.861
366.24	24.816	46.898
366.34	24.818	46.935
366.44	24.82	46.973
366.54	24.821	47.01
366.64	24.823	47.047
366.74	24.825	47.085
366.84	24.826	47.122
366.94	24.828	47.159
367.	24.829	47.182
367.01		47.186
367.02		47.189
367.05	24.83	47.201
367.14	24.831	47.234
367.24	24.833	47.272
367.34	24.834	47.309
367.44	24.836	47.347
367.54	24.838	47.384
367.64	24.839	47.422
367.74	24.841	47.459
367.84	24.843	47.497
367.94	24.844	47.534
368.	24.845	47.557
368.01		47.561
368.02	24.846	47.564
368.05		47.576
368.14	24.847	47.609
368.24	24.849	47.647
368.34	24.851	47.685
368.44	24.852	47.722
368.54	24.854	47.76
368.64	24.856	47.797
368.74	24.857	47.835
368.84	24.859	47.873
368.94	24.861	47.91
369.	24.862	47.933
369.01		47.937
369.02		47.94
369.05	24.863	47.952
369.14	24.864	47.986
369.24	24.866	48.023
369.34	24.867	48.061
369.44	24.869	48.098
369.54	24.871	48.136
369.64	24.872	48.174
369.74	24.874	48.212
369.84	24.876	48.249
369.94	24.877	48.287
370.		48.31

370.01	24.878	48.313
370.02	24.879	48.317
370.05		48.328
370.14	24.881	48.362
370.24	24.882	48.4
370.34	24.884	48.438
370.44	24.886	48.475
370.54	24.887	48.513
370.64	24.889	48.551
370.74	24.891	48.589
370.84	24.892	48.626
370.94	24.894	48.664
371.	24.895	48.687
371.01		48.69
371.02		48.694
371.05	24.896	48.705
371.14	24.897	48.739
371.24	24.899	48.777
371.34	24.901	48.815
371.44	24.902	48.853
371.54	24.904	48.89
371.64	24.906	48.928
371.74	24.907	48.966
371.84	24.909	49.003
371.94	24.911	49.041
372.	24.912	49.064
372.01		49.068
372.02		49.071
372.05		49.083
372.14	24.914	49.117
372.24	24.916	49.154
372.34	24.917	49.192
372.44	24.919	49.23
372.54	24.921	49.267
372.64	24.922	49.305
372.74	24.924	49.343
372.84	24.926	49.38
372.94	24.927	49.418
373.	24.928	49.441
373.01		49.444
373.02	24.929	49.448
373.05		49.459
373.14	24.931	49.493
373.24	24.932	49.531
373.34	24.934	49.569
373.44	24.936	49.606
373.54	24.937	49.644
373.64	24.939	49.682
373.74	24.941	49.72
373.84	24.942	49.757
373.94	24.944	49.795
374.	24.945	49.818
374.01		49.821
374.02		49.825
374.05	24.946	49.836
374.14	24.947	49.87
374.24	24.949	49.908
374.34	24.951	49.946
374.44	24.952	49.983
374.54	24.954	50.021
374.64	24.956	50.059
374.74	24.957	50.097
374.84	24.959	50.134
374.94	24.961	50.172
375.	24.962	50.195
375.01		50.198

375.02		50.202
375.05	24.963	50.213
375.14	24.964	50.247
375.24	24.966	50.285
375.34	24.968	50.323
375.44	24.969	50.36
375.54	24.971	50.398
375.64	24.973	50.436
375.74	24.974	50.474
375.84	24.976	50.511
375.94	24.978	50.549
376.		50.572
376.01	24.979	50.575
376.02		50.579
376.05	24.98	50.591
376.14	24.981	50.624
376.24	24.983	50.662
376.34	24.984	50.7
376.44	24.986	50.738
376.54	24.988	50.775
376.64	24.99	50.813
376.74	24.991	50.851
376.84	24.993	50.889
376.94	24.995	50.926
377.		50.949
377.01	24.996	50.953
377.02		50.957
377.05		50.968
377.14	24.998	51.002
377.24	25.	51.04
377.34	25.001	51.077
377.44	25.003	51.115
377.54	25.005	51.153
377.64	25.006	51.191
377.74	25.008	51.228
377.84	25.01	51.266
377.94	25.012	51.304
378.		51.327
378.01	25.013	51.33
378.02		51.334
378.05		51.345
378.14	25.015	51.379
378.24	25.017	51.417
378.34	25.018	51.455
378.44	25.02	51.493
378.54	25.022	51.53
378.64	25.024	51.568
378.74	25.025	51.606
378.84	25.027	51.644
378.94	25.029	51.681
379.		51.704
379.01	25.03	51.708
379.02		51.712
379.05		51.723
379.14	25.032	51.757
379.24	25.034	51.795
379.34	25.035	51.833
379.44	25.037	51.87
379.54	25.039	51.908
379.64	25.041	51.946
379.74	25.042	51.984
379.84	25.044	52.022
379.94	25.046	52.06
380.		52.082
380.01	25.047	52.086
380.02		52.09

380.05	25.048	52.101
380.14	25.049	52.135
380.24	25.051	52.173
380.34	25.053	52.211
380.44	25.054	52.249
380.54	25.056	52.287
380.64	25.058	52.325
380.74	25.059	52.363
380.84	25.061	52.401
380.94	25.063	52.438
381.	25.064	52.461
381.01		52.465
381.02		52.469
381.05	25.065	52.48
381.14	25.066	52.514
381.24	25.068	52.552
381.34	25.07	52.59
381.44	25.071	52.628
381.54	25.073	52.666
381.64	25.075	52.704
381.74	25.077	52.742
381.84	25.078	52.78
381.94	25.08	52.818
382.	25.081	52.841
382.01		52.844
382.02		52.848
382.05	25.082	52.86
382.14	25.084	52.894
382.24	25.085	52.932
382.34	25.087	52.97
382.44	25.089	53.007
382.54	25.09	53.045
382.64	25.092	53.083
382.74	25.094	53.121
382.84	25.096	53.159
382.94	25.097	53.197
383.	25.098	53.22
383.01	25.099	53.224
383.02		53.228
383.05		53.239
383.14	25.101	53.273
383.24	25.103	53.311
383.34	25.104	53.349
383.44	25.106	53.387
383.54	25.108	53.425
383.64	25.109	53.463
383.74	25.111	53.501
383.84	25.113	53.539
383.94	25.115	53.577
384.	25.116	53.6
384.01		53.604
384.02		53.608
384.05	25.117	53.619
384.14	25.118	53.654
384.24	25.12	53.692
384.34	25.122	53.73
384.44	25.123	53.768
384.54	25.125	53.806
384.64	25.127	53.844
384.74	25.129	53.882
384.84	25.13	53.921
384.94	25.132	53.959
385.	25.133	53.982
385.01		53.985
385.02	25.134	53.989
385.05		54.001

385.14	25.136	54.035
385.24	25.137	54.073
385.34	25.139	54.111
385.44	25.141	54.15
385.54	25.143	54.188
385.64	25.144	54.226
385.74	25.146	54.264
385.84	25.148	54.302
385.94	25.15	54.341
386.	25.151	54.364
386.01		54.367
386.02		54.371
386.05	25.152	54.383
386.14	25.153	54.417
386.24	25.155	54.455
386.34	25.157	54.494
386.44	25.158	54.532
386.54	25.16	54.57
386.64	25.162	54.609
386.74	25.164	54.647
386.84	25.165	54.686
386.94	25.167	54.724
387.	25.168	54.747
387.01		54.751
387.02	25.169	54.755
387.05		54.766
387.14	25.171	54.801
387.24	25.172	54.84
387.34	25.174	54.878
387.44	25.176	54.917
387.54	25.178	54.955
387.64	25.18	54.994
387.74	25.181	55.032
387.84	25.183	55.071
387.94	25.185	55.109
388.	25.186	55.132
388.01		55.136
388.02		55.14
388.05	25.187	55.152
388.14	25.188	55.186
388.24	25.19	55.225
388.34	25.192	55.264
388.44	25.194	55.302
388.54	25.196	55.341
388.64	25.197	55.379
388.74	25.199	55.418
388.84	25.201	55.457
388.94	25.203	55.495
389.	25.204	55.518
389.01		55.522
389.02		55.526
389.05	25.205	55.538
389.14	25.206	55.572
389.24	25.208	55.611
389.34	25.21	55.65
389.44	25.212	55.688
389.54	25.213	55.727
389.64	25.215	55.765
389.74	25.217	55.804
389.84	25.219	55.843
389.94	25.22	55.881
390.	25.222	55.905
390.01		55.908
390.02		55.912
390.05		55.924
390.14	25.224	55.959

390.24	25.226	55.997
390.34	25.228	56.036
390.44	25.229	56.075
390.54	25.231	56.114
390.64	25.233	56.152
390.74	25.235	56.191
390.84	25.237	56.23
390.94	25.238	56.269
391.	25.239	56.292
391.01	25.24	56.296
391.02		56.3
391.05		56.311
391.14	25.242	56.346
391.24	25.244	56.385
391.34	25.246	56.424
391.44	25.247	56.463
391.54	25.249	56.501
391.64	25.251	56.54
391.74	25.253	56.579
391.84	25.255	56.618
391.94	25.256	56.657
392.	25.257	56.68
392.01	25.258	56.684
392.02		56.688
392.05		56.7
392.14	25.26	56.734
392.24	25.262	56.773
392.34	25.264	56.812
392.44	25.265	56.851
392.54	25.267	56.89
392.64	25.269	56.929
392.74	25.271	56.967
392.84	25.273	57.006
392.94	25.274	57.045
393.	25.275	57.069
393.01	25.276	57.072
393.02		57.076
393.05		57.088
393.14	25.278	57.123
393.24	25.28	57.162
393.34	25.282	57.201
393.44	25.283	57.239
393.54	25.285	57.278
393.64	25.287	57.317
393.74	25.289	57.356
393.84	25.291	57.395
393.94	25.293	57.434
394.	25.294	57.457
394.01		57.461
394.02		57.465
394.05	25.295	57.476
394.14	25.296	57.511
394.24	25.298	57.55
394.34	25.3	57.589
394.44	25.302	57.628
394.54	25.303	57.667
394.64	25.305	57.706
394.74	25.307	57.744
394.84	25.309	57.783
394.94	25.311	57.822
395.	25.312	57.845
395.01		57.849
395.02		57.853
395.05	25.313	57.865
395.14	25.314	57.9
395.24	25.316	57.939

395.34	25.318	57.978
395.44	25.32	58.016
395.54	25.322	58.055
395.64	25.323	58.094
395.74	25.325	58.133
395.84	25.327	58.172
395.94	25.329	58.211
396.	25.33	58.234
396.01		58.238
396.02		58.242
396.05	25.331	58.253
396.14	25.333	58.288
396.24	25.334	58.327
396.34	25.336	58.366
396.44	25.338	58.405
396.54	25.34	58.444
396.64	25.342	58.483
396.74	25.343	58.521
396.84	25.345	58.56
396.94	25.347	58.599
397.	25.348	58.622
397.01		58.626
397.02	25.349	58.63
397.05		58.642
397.14	25.351	58.677
397.24	25.353	58.716
397.34	25.354	58.754
397.44	25.356	58.793
397.54	25.358	58.832
397.64	25.36	58.871
397.74	25.362	58.91
397.84	25.364	58.948
397.94	25.365	58.987
398.	25.366	59.011
398.01	25.367	59.015
398.02		59.018
398.05		59.03
398.14	25.369	59.065
398.24	25.371	59.104
398.34	25.373	59.143
398.44	25.375	59.181
398.54	25.376	59.22
398.64	25.378	59.259
398.74	25.38	59.298
398.84	25.382	59.337
398.94	25.384	59.376
399.	25.385	59.399
399.01		59.403
399.02		59.407
399.05	25.386	59.418
399.14	25.387	59.453
399.24	25.389	59.492
399.34	25.391	59.531
399.44	25.393	59.57
399.54	25.395	59.608
399.64	25.397	59.647
399.74	25.398	59.686
399.84	25.4	59.725
399.94	25.402	59.764
400.	25.403	59.787
400.01		59.791
400.02	25.404	59.795
400.05		59.806
400.14	25.406	59.841
400.24	25.408	59.88
400.34	25.409	59.919

400.44	25.411	59.958
400.54	25.413	59.996
400.64	25.415	60.035
400.74	25.417	60.074
400.84	25.419	60.113
400.94	25.42	60.151
401.	25.422	60.175
401.01		60.179
401.02		60.182
401.05	25.423	60.194
401.14	25.424	60.229
401.24	25.426	60.268
401.34	25.428	60.306
401.44	25.43	60.345
401.54	25.432	60.384
401.64	25.433	60.423
401.74	25.435	60.461
401.84	25.437	60.5
401.94	25.439	60.539
402.	25.44	60.562
402.01		60.566
402.02		60.57
402.05	25.441	60.581
402.14	25.443	60.616
402.24	25.444	60.655
402.34	25.446	60.694
402.44	25.448	60.732
402.54	25.45	60.771
402.64	25.452	60.81
402.74	25.454	60.848
402.84	25.456	60.887
402.94	25.457	60.926
403.	25.459	60.949
403.01		60.953
403.02		60.957
403.05		60.968
403.14	25.461	61.003
403.24	25.463	61.042
403.34	25.465	61.081
403.44	25.467	61.119
403.54	25.469	61.158
403.64	25.47	61.197
403.74	25.472	61.235
403.84	25.474	61.274
403.94	25.476	61.313
404.	25.477	61.336
404.01		61.34
404.02		61.343
404.05	25.478	61.355
404.14	25.48	61.39
404.24	25.481	61.429
404.34	25.483	61.467
404.44	25.485	61.506
404.54	25.487	61.544
404.64	25.489	61.583
404.74	25.491	61.622
404.84	25.493	61.66
404.94	25.494	61.699
405.	25.496	61.722
405.01		61.726
405.02		61.73
405.05		61.741
405.14	25.498	61.776
405.24	25.5	61.815
405.34	25.502	61.853
405.44	25.504	61.892

405.54	25.506	61.931
405.64	25.507	61.969
405.74	25.509	62.008
405.84	25.511	62.046
405.94	25.513	62.085
406.	25.514	62.108
406.01		62.112
406.02	25.515	62.116
406.05		62.127
406.14	25.517	62.162
406.24	25.519	62.201
406.34	25.52	62.239
406.44	25.522	62.278
406.54	25.524	62.316
406.64	25.526	62.355
406.74	25.528	62.394
406.84	25.53	62.432
406.94	25.532	62.471
407.	25.533	62.494
407.01		62.498
407.02		62.501
407.05	25.534	62.513
407.14	25.535	62.548
407.24	25.537	62.586
407.34	25.539	62.625
407.44	25.541	62.663
407.54	25.543	62.702
407.64	25.545	62.74
407.74	25.547	62.779
407.84	25.548	62.817
407.94	25.55	62.856
408.	25.551	62.879
408.01	25.552	62.883
408.02		62.887
408.05		62.898
408.14	25.554	62.933
408.24	25.556	62.971
408.34	25.558	63.01
408.44	25.56	63.048
408.54	25.561	63.087
408.64	25.563	63.125
408.74	25.565	63.163
408.84	25.567	63.202
408.94	25.569	63.24
409.	25.57	63.263
409.01		63.267
409.02		63.271
409.05	25.571	63.283
409.14	25.573	63.317
409.24	25.575	63.355
409.34	25.576	63.394
409.44	25.578	63.432
409.54	25.58	63.471
409.64	25.582	63.509
409.74	25.584	63.547
409.84	25.586	63.586
409.94	25.588	63.624
410.	25.589	63.647
410.01		63.651
410.02		63.655
410.05	25.59	63.666
410.14	25.591	63.701
410.24	25.593	63.739
410.34	25.595	63.778
410.44	25.597	63.816
410.54	25.599	63.854

410.64	25.601	63.893
410.74	25.603	63.931
410.84	25.604	63.969
410.94	25.606	64.008
411.	25.607	64.031
411.01	25.608	64.034
411.02		64.038
411.05		64.05
411.14	25.61	64.084
411.24	25.612	64.122
411.34	25.614	64.161
411.44	25.616	64.199
411.54	25.618	64.237
411.64	25.619	64.276
411.74	25.621	64.314
411.84	25.623	64.352
411.94	25.625	64.39
412.	25.626	64.413
412.01		64.417
412.02	25.627	64.421
412.05		64.433
412.14	25.629	64.467
412.24	25.631	64.505
412.34	25.633	64.544
412.44	25.634	64.582
412.54	25.636	64.62
412.64	25.638	64.658
412.74	25.64	64.697
412.84	25.642	64.735
412.94	25.644	64.773
413.	25.645	64.796
413.01		64.8
413.02		64.804
413.05	25.646	64.815
413.14	25.648	64.85
413.24	25.649	64.888
413.34	25.651	64.926
413.44	25.653	64.964
413.54	25.655	65.002
413.64	25.657	65.041
413.74	25.659	65.079
413.84	25.661	65.117
413.94	25.663	65.155
414.	25.664	65.178
414.01		65.182
414.02		65.186
414.05	25.665	65.197
414.14	25.666	65.232
414.24	25.668	65.27
414.34	25.67	65.308
414.44	25.672	65.346
414.54	25.674	65.384
414.64	25.676	65.422
414.74	25.678	65.46
414.84	25.68	65.499
414.94	25.681	65.537
415.	25.683	65.559
415.01		65.563
415.02		65.567
415.05		65.579
415.14	25.685	65.613
415.24	25.687	65.651
415.34	25.689	65.689
415.44	25.691	65.727
415.54	25.693	65.765
415.64	25.695	65.803

415.74	25.696	65.841
415.84	25.698	65.879
415.94	25.7	65.917
416.	25.701	65.94
416.01	25.702	65.943
416.02		65.947
416.05		65.959
416.14	25.704	65.993
416.24	25.706	66.031
416.34	25.708	66.069
416.44	25.71	66.107
416.54	25.711	66.144
416.64	25.713	66.182
416.74	25.715	66.22
416.84	25.717	66.258
416.94	25.719	66.296
417.	25.72	66.319
417.01		66.323
417.02	25.721	66.326
417.05		66.338
417.14	25.723	66.372
417.24	25.725	66.41
417.34	25.727	66.447
417.44	25.728	66.485
417.54	25.73	66.523
417.64	25.732	66.561
417.74	25.734	66.599
417.84	25.736	66.637
417.94	25.738	66.675
418.	25.739	66.697
418.01		66.701
418.02		66.705
418.05	25.74	66.716
418.14	25.742	66.75
418.24	25.744	66.788
418.34	25.745	66.826
418.44	25.747	66.864
418.54	25.749	66.901
418.64	25.751	66.939
418.74	25.753	66.977
418.84	25.755	67.015
418.94	25.757	67.053
419.	25.758	67.075
419.01		67.079
419.02		67.083
419.05	25.759	67.094
419.14	25.76	67.128
419.24	25.762	67.166
419.34	25.764	67.204
419.44	25.766	67.242
419.54	25.768	67.279
419.64	25.77	67.317
419.74	25.772	67.355
419.84	25.774	67.392
419.94	25.776	67.43
420.	25.777	67.453
420.01		67.457
420.02		67.46
420.05	25.778	67.472
420.14	25.779	67.505
420.24	25.781	67.543
420.34	25.783	67.581
420.44	25.785	67.618
420.54	25.787	67.656
420.64	25.789	67.694
420.74	25.791	67.731

420.84	25.793	67.769
420.94	25.794	67.807
421.	25.796	67.829
421.01		67.833
421.02		67.837
421.05	25.797	67.848
421.14	25.798	67.882
421.24	25.8	67.919
421.34	25.802	67.957
421.44	25.804	67.994
421.54	25.806	68.032
421.64	25.808	68.07
421.74	25.81	68.107
421.84	25.811	68.145
421.94	25.813	68.182
422.	25.815	68.205
422.01		68.208
422.02		68.212
422.05		68.223
422.14	25.817	68.257
422.24	25.819	68.295
422.34	25.821	68.332
422.44	25.823	68.37
422.54	25.825	68.407
422.64	25.827	68.444
422.74	25.829	68.482
422.84	25.83	68.519
422.94	25.832	68.557
423.	25.833	68.579
423.01	25.834	68.583
423.02		68.587
423.05		68.598
423.14	25.836	68.632
423.24	25.838	68.669
423.34	25.84	68.706
423.44	25.842	68.744
423.54	25.844	68.781
423.64	25.846	68.818
423.74	25.847	68.856
423.84	25.849	68.893
423.94	25.851	68.93
424.	25.852	68.953
424.01	25.853	68.957
424.02		68.96
424.05		68.972
424.14	25.855	69.005
424.24	25.857	69.042
424.34	25.859	69.08
424.44	25.861	69.117
424.54	25.863	69.154
424.64	25.864	69.192
424.74	25.866	69.229
424.84	25.868	69.266
424.94	25.87	69.304
425.	25.871	69.326
425.01		69.33
425.02	25.872	69.333
425.05		69.345
425.14	25.874	69.378
425.24	25.876	69.415
425.34	25.878	69.453
425.44	25.88	69.49
425.54	25.882	69.527
425.64	25.883	69.564
425.74	25.885	69.602
425.84	25.887	69.639

425.94	25.889	69.676
426.	25.89	69.698
426.01		69.702
426.02	25.891	69.706
426.05		69.717
426.14	25.893	69.75
426.24	25.895	69.787
426.34	25.897	69.825
426.44	25.899	69.862
426.54	25.9	69.899
426.64	25.902	69.936
426.74	25.904	69.973
426.84	25.906	70.01
426.94	25.908	70.047
427.	25.909	70.07
427.01		70.073
427.02	25.91	70.077
427.05		70.088
427.14	25.912	70.122
427.24	25.914	70.159
427.34	25.916	70.196
427.44	25.918	70.233
427.54	25.919	70.27
427.64	25.921	70.307
427.74	25.923	70.344
427.84	25.925	70.381
427.94	25.927	70.418
428.	25.928	70.44
428.01		70.444
428.02	25.929	70.447
428.05		70.458
428.14	25.931	70.492
428.24	25.933	70.529
428.34	25.935	70.566
428.44	25.936	70.603
428.54	25.938	70.64
428.64	25.94	70.676
428.74	25.942	70.713
428.84	25.944	70.75
428.94	25.946	70.787
429.	25.947	70.809
429.01		70.813
429.02		70.817
429.05	25.948	70.828
429.14	25.95	70.861
429.24	25.952	70.898
429.34	25.954	70.935
429.44	25.955	70.971
429.54	25.957	71.008
429.64	25.959	71.045
429.74	25.961	71.082
429.84	25.963	71.119
429.94	25.965	71.155
430.	25.966	71.177
430.01		71.181
430.02		71.185
430.05	25.967	71.196
430.14	25.969	71.229
430.24	25.971	71.266
430.34	25.973	71.302
430.44	25.974	71.339
430.54	25.976	71.376
430.64	25.978	71.413
430.74	25.98	71.449
430.84	25.982	71.486
430.94	25.984	71.523

431.		71.545
431.01	25.985	71.548
431.02		71.552
431.05	25.986	71.563
431.14	25.988	71.596
431.24	25.99	71.633
431.34	25.991	71.669
431.44	25.993	71.706
431.54	25.995	71.742
431.64	25.997	71.779
431.74	25.999	71.816
431.84	26.001	71.852
431.94	26.003	71.889
432.		71.911
432.01	26.004	71.914
432.02		71.918
432.05	26.005	71.929
432.14	26.007	71.962
432.24	26.009	71.998
432.34	26.01	72.035
432.44	26.012	72.072
432.54	26.014	72.108
432.64	26.016	72.145
432.74	26.018	72.181
432.84	26.02	72.218
432.94	26.022	72.254
433.		72.276
433.01	26.023	72.28
433.02		72.283
433.05	26.024	72.294
433.14	26.026	72.327
433.24	26.028	72.363
433.34	26.029	72.4
433.44	26.031	72.436
433.54	26.033	72.473
433.64	26.035	72.509
433.74	26.037	72.545
433.84	26.039	72.582
433.94	26.041	72.618
434.		72.64
434.01	26.042	72.644
434.02		72.647
434.05	26.043	72.658
434.14	26.045	72.691
434.24	26.046	72.727
434.34	26.048	72.764
434.44	26.05	72.8
434.54	26.052	72.836
434.64	26.054	72.873
434.74	26.056	72.909
434.84	26.058	72.945
434.94	26.06	72.981
435.		73.003
435.01	26.061	73.007
435.02		73.011
435.05	26.062	73.021
435.14	26.064	73.054
435.24	26.065	73.09
435.34	26.067	73.126
435.44	26.069	73.163
435.54	26.071	73.199
435.64	26.073	73.235
435.74	26.075	73.271
435.84	26.077	73.307
435.94	26.079	73.344
436.		73.365

436.01	26.08	73.369
436.02		73.372
436.05	26.081	73.383
436.14	26.083	73.416
436.24	26.084	73.452
436.34	26.086	73.488
436.44	26.088	73.524
436.54	26.09	73.56
436.64	26.092	73.596
436.74	26.094	73.632
436.84	26.096	73.668
436.94	26.098	73.704
437.	26.099	73.726
437.01		73.729
437.02		73.733
437.05	26.1	73.744
437.14	26.101	73.776
437.24	26.103	73.812
437.34	26.105	73.848
437.44	26.107	73.884
437.54	26.109	73.92
437.64	26.111	73.956
437.74	26.113	73.992
437.84	26.115	74.028
437.94	26.117	74.064
438.	26.118	74.085
438.01		74.089
438.02		74.092
438.05	26.119	74.103
438.14	26.12	74.136
438.24	26.122	74.171
438.34	26.124	74.207
438.44	26.126	74.243
438.54	26.128	74.279
438.64	26.13	74.315
438.74	26.132	74.35
438.84	26.134	74.386
438.94	26.136	74.422
439.	26.137	74.443
439.01		74.447
439.02		74.451
439.05	26.138	74.461
439.14	26.139	74.493
439.24	26.141	74.529
439.34	26.143	74.565
439.44	26.145	74.601
439.54	26.147	74.636
439.64	26.149	74.672
439.74	26.151	74.708
439.84	26.153	74.743
439.94	26.155	74.779
440.	26.156	74.8
440.01		74.804
440.02		74.807
440.05	26.157	74.818
440.14	26.158	74.85
440.24	26.16	74.886
440.34	26.162	74.921
440.44	26.164	74.957
440.54	26.166	74.992
440.64	26.168	75.028
440.74	26.17	75.063
440.84	26.172	75.099
440.94	26.173	75.134
441.	26.175	75.156
441.01		75.159

441.02		75.163
441.05	26.176	75.173
441.14	26.177	75.205
441.24	26.179	75.241
441.34	26.181	75.276
441.44	26.183	75.312
441.54	26.185	75.347
441.64	26.187	75.382
441.74	26.189	75.418
441.84	26.19	75.453
441.94	26.192	75.488
442.	26.194	75.51
442.01		75.513
442.02		75.517
442.05		75.527
442.14	26.196	75.559
442.24	26.198	75.594
442.34	26.2	75.63
442.44	26.202	75.665
442.54	26.204	75.7
442.64	26.206	75.735
442.74	26.207	75.771
442.84	26.209	75.806
442.94	26.211	75.841
443.	26.212	75.862
443.01	26.213	75.866
443.02		75.869
443.05		75.88
443.14	26.215	75.911
443.24	26.217	75.947
443.34	26.219	75.982
443.44	26.221	76.017
443.54	26.223	76.052
443.64	26.224	76.087
443.74	26.226	76.122
443.84	26.228	76.157
443.94	26.23	76.192
444.	26.231	76.213
444.01		76.217
444.02	26.232	76.22
444.05		76.231
444.14	26.234	76.262
444.24	26.236	76.297
444.34	26.238	76.332
444.44	26.24	76.367
444.54	26.241	76.402
444.64	26.243	76.437
444.74	26.245	76.472
444.84	26.247	76.507
444.94	26.249	76.542
445.	26.25	76.563
445.01		76.566
445.02	26.251	76.57
445.05		76.58
445.14	26.253	76.612
445.24	26.255	76.647
445.34	26.257	76.682
445.44	26.258	76.716
445.54	26.26	76.751
445.64	26.262	76.786
445.74	26.264	76.821
445.84	26.266	76.856
445.94	26.268	76.89
446.	26.269	76.911
446.01		76.915
446.02		76.918

446.05	26.27	76.929
446.14	26.272	76.96
446.24	26.274	76.995
446.34	26.275	77.029
446.44	26.277	77.064
446.54	26.279	77.099
446.64	26.281	77.133
446.74	26.283	77.168
446.84	26.285	77.203
446.94	26.287	77.237
447.	26.288	77.258
447.01		77.262
447.02		77.265
447.05	26.289	77.276
447.14	26.29	77.307
447.24	26.292	77.341
447.34	26.294	77.376
447.44	26.296	77.411
447.54	26.298	77.445
447.64	26.3	77.48
447.74	26.302	77.514
447.84	26.304	77.549
447.94	26.306	77.583
448.	26.307	77.604
448.01		77.607
448.02		77.611
448.05	26.308	77.621
448.14	26.309	77.652
448.24	26.311	77.687
448.34	26.313	77.721
448.44	26.315	77.756
448.54	26.317	77.79
448.64	26.319	77.825
448.74	26.321	77.859
448.84	26.322	77.894
448.94	26.324	77.928
449.	26.325	77.949
449.01	26.326	77.952
449.02		77.956
449.05		77.966
449.14	26.328	77.997
449.24	26.33	78.031
449.34	26.332	78.065
449.44	26.334	78.1
449.54	26.336	78.134
449.64	26.337	78.168
449.74	26.339	78.203
449.84	26.341	78.237
449.94	26.343	78.271
450.	26.344	78.292
450.01		78.295
450.02	26.345	78.299
450.05		78.309
450.14	26.347	78.34
450.24	26.349	78.374
450.34	26.351	78.408
450.44	26.353	78.442
450.54	26.354	78.477
450.64	26.356	78.511
450.74	26.358	78.545
450.84	26.36	78.579
450.94	26.362	78.613
451.	26.363	78.634
451.01		78.637
451.02		78.641
451.05	26.364	78.651

451.14	26.366	78.681
451.24	26.368	78.716
451.34	26.369	78.75
451.44	26.371	78.784
451.54	26.373	78.818
451.64	26.375	78.852
451.74	26.377	78.886
451.84	26.379	78.92
451.94	26.381	78.954
452.	26.382	78.974
452.01		78.978
452.02		78.981
452.05	26.383	78.991
452.14	26.384	79.022
452.24	26.386	79.056
452.34	26.388	79.09
452.44	26.39	79.124
452.54	26.392	79.157
452.64	26.394	79.191
452.74	26.396	79.225
452.84	26.398	79.259
452.94	26.399	79.293
453.	26.401	79.313
453.01		79.317
453.02		79.32
453.05		79.33
453.14	26.403	79.361
453.24	26.405	79.394
453.34	26.407	79.428
453.44	26.409	79.462
453.54	26.411	79.496
453.64	26.413	79.529
453.74	26.414	79.563
453.84	26.416	79.597
453.94	26.418	79.631
454.	26.419	79.651
454.01		79.654
454.02	26.42	79.658
454.05		79.668
454.14	26.422	79.698
454.24	26.424	79.732
454.34	26.426	79.765
454.44	26.428	79.799
454.54	26.429	79.833
454.64	26.431	79.866
454.74	26.433	79.9
454.84	26.435	79.933
454.94	26.437	79.967
455.	26.438	79.987
455.01		79.99
455.02		79.994
455.05	26.439	80.004
455.14	26.441	80.034
455.24	26.442	80.068
455.34	26.444	80.101
455.44	26.446	80.135
455.54	26.448	80.168
455.64	26.45	80.202
455.74	26.452	80.235
455.84	26.454	80.268
455.94	26.456	80.302
456.	26.457	80.322
456.01		80.325
456.02		80.329
456.05	26.458	80.339
456.14	26.459	80.369

456.24	26.461	80.402
456.34	26.463	80.435
456.44	26.465	80.469
456.54	26.467	80.502
456.64	26.469	80.535
456.74	26.471	80.569
456.84	26.472	80.602
456.94	26.474	80.635
457.	26.475	80.655
457.01	26.476	80.659
457.02		80.662
457.05		80.672
457.14	26.478	80.702
457.24	26.48	80.735
457.34	26.482	80.768
457.44	26.484	80.802
457.54	26.485	80.835
457.64	26.487	80.868
457.74	26.489	80.901
457.84	26.491	80.934
457.94	26.493	80.967
458.	26.494	80.987
458.01		80.991
458.02		80.994
458.05	26.495	81.004
458.14	26.497	81.034
458.24	26.499	81.067
458.34	26.5	81.1
458.44	26.502	81.133
458.54	26.504	81.166
458.64	26.506	81.199
458.74	26.508	81.232
458.84	26.51	81.265
458.94	26.512	81.298
459.	26.513	81.318
459.01		81.321
459.02		81.325
459.05	26.514	81.335
459.14	26.515	81.364
459.24	26.517	81.397
459.34	26.519	81.43
459.44	26.521	81.463
459.54	26.523	81.496
459.64	26.525	81.529
459.74	26.526	81.562
459.84	26.528	81.595
459.94	26.53	81.628
460.	26.531	81.647
460.01		81.651
460.02	26.532	81.654
460.05		81.664
460.14	26.534	81.693
460.24	26.536	81.726
460.34	26.538	81.759
460.44	26.539	81.792
460.54	26.541	81.825
460.64	26.543	81.858
460.74	26.545	81.89
460.84	26.547	81.923
460.94	26.549	81.956
461.	26.55	81.975
461.01		81.979
461.02		81.982
461.05	26.551	81.992
461.14	26.553	82.021
461.24	26.554	82.054

461.34	26.556	82.087
461.44	26.558	82.119
461.54	26.56	82.152
461.64	26.562	82.185
461.74	26.564	82.217
461.84	26.566	82.25
461.94	26.567	82.283
462.	26.569	82.302
462.01		82.305
462.02		82.309
462.05		82.318
462.14	26.571	82.348
462.24	26.573	82.38
462.34	26.575	82.413
462.44	26.577	82.446
462.54	26.579	82.478
462.64	26.58	82.511
462.74	26.582	82.543
462.84	26.584	82.576
462.94	26.586	82.608
463.	26.587	82.628
463.01		82.631
463.02		82.634
463.05	26.588	82.644
463.14	26.59	82.673
463.24	26.592	82.705
463.34	26.593	82.738
463.44	26.595	82.77
463.54	26.597	82.803
463.64	26.599	82.835
463.74	26.601	82.867
463.84	26.603	82.9
463.94	26.605	82.932
464.	26.606	82.952
464.01		82.955
464.02		82.958
464.05	26.607	82.968
464.14	26.608	82.997
464.24	26.61	83.029
464.34	26.612	83.061
464.44	26.614	83.094
464.54	26.616	83.126
464.64	26.618	83.158
464.74	26.619	83.19
464.84	26.621	83.223
464.94	26.623	83.255
465.	26.624	83.274
465.01		83.277
465.02	26.625	83.281
465.05		83.29
465.14	26.627	83.319
465.24	26.629	83.351
465.34	26.63	83.384
465.44	26.632	83.416
465.54	26.634	83.448
465.64	26.636	83.48
465.74	26.638	83.512
465.84	26.64	83.544
465.94	26.642	83.576
466.	26.643	83.595
466.01		83.599
466.02		83.602
466.05	26.644	83.612
466.14	26.645	83.64
466.24	26.647	83.672
466.34	26.649	83.704

466.44	26.651	83.736
466.54	26.653	83.768
466.64	26.655	83.8
466.74	26.656	83.832
466.84	26.658	83.864
466.94	26.66	83.896
467.	26.661	83.915
467.01		83.919
467.02	26.662	83.922
467.05		83.931
467.14	26.664	83.96
467.24	26.666	83.992
467.34	26.667	84.024
467.44	26.669	84.056
467.54	26.671	84.088
467.64	26.673	84.12
467.74	26.675	84.151
467.84	26.677	84.183
467.94	26.679	84.215
468.	26.68	84.234
468.01		84.237
468.02		84.241
468.05	26.681	84.25
468.14	26.682	84.279
468.24	26.684	84.31
468.34	26.686	84.342
468.44	26.688	84.374
468.54	26.69	84.406
468.64	26.691	84.437
468.74	26.693	84.469
468.84	26.695	84.501
468.94	26.697	84.532
469.	26.698	84.551
469.01		84.555
469.02	26.699	84.558
469.05		84.567
469.14	26.701	84.596
469.24	26.703	84.627
469.34	26.704	84.659
469.44	26.706	84.691
469.54	26.708	84.722
469.64	26.71	84.754
469.74	26.712	84.786
469.84	26.714	84.817
469.94	26.715	84.849
470.	26.717	84.868
470.01		84.871
470.02		84.874
470.05	26.718	84.883
470.14	26.719	84.912
470.24	26.721	84.943
470.34	26.723	84.975
470.44	26.725	85.006
470.54	26.727	85.038
470.64	26.728	85.069
470.74	26.73	85.101
470.84	26.732	85.132
470.94	26.734	85.163
471.	26.735	85.182
471.01		85.185
471.02		85.189
471.05	26.736	85.198
471.14	26.738	85.226
471.24	26.739	85.258
471.34	26.741	85.289
471.44	26.743	85.32

471.54	26.745	85.352
471.64	26.747	85.383
471.74	26.749	85.414
471.84	26.75	85.446
471.94	26.752	85.477
472.	26.753	85.496
472.01	26.754	85.499
472.02		85.502
472.05		85.511
472.14	26.756	85.54
472.24	26.758	85.571
472.34	26.76	85.602
472.44	26.762	85.633
472.54	26.763	85.665
472.64	26.765	85.696
472.74	26.767	85.727
472.84	26.769	85.758
472.94	26.771	85.789
473.	26.772	85.808
473.01		85.811
473.02		85.814
473.05	26.773	85.824
473.14	26.774	85.852
473.24	26.776	85.883
473.34	26.778	85.914
473.44	26.78	85.945
473.54	26.782	85.976
473.64	26.784	86.007
473.74	26.785	86.038
473.84	26.787	86.069
473.94	26.789	86.1
474.	26.79	86.119
474.01		86.122
474.02	26.791	86.125
474.05		86.134
474.14	26.793	86.162
474.24	26.795	86.193
474.34	26.796	86.224
474.44	26.798	86.255
474.54	26.8	86.286
474.64	26.802	86.317
474.74	26.804	86.348
474.84	26.806	86.379
474.94	26.807	86.41
475.	26.809	86.428
475.01		86.431
475.02		86.434
475.05		86.444
475.14	26.811	86.472
475.24	26.813	86.502
475.34	26.815	86.533
475.44	26.817	86.564
475.54	26.818	86.595
475.64	26.82	86.626
475.74	26.822	86.656
475.84	26.824	86.687
475.94	26.826	86.718
476.	26.827	86.736
476.01		86.74
476.02		86.743
476.05	26.828	86.752
476.14	26.829	86.78
476.24	26.831	86.81
476.34	26.833	86.841
476.44	26.835	86.872
476.54	26.837	86.902

476.64	26.839	86.933
476.74	26.84	86.964
476.84	26.842	86.994
476.94	26.844	87.025
477.	26.845	87.043
477.01		87.046
477.02	26.846	87.049
477.05		87.059
477.14	26.848	87.086
477.24	26.85	87.117
477.34	26.851	87.147
477.44	26.853	87.178
477.54	26.855	87.208
477.64	26.857	87.239
477.74	26.859	87.27
477.84	26.861	87.3
477.94	26.862	87.331
478.	26.863	87.349
478.01	26.864	87.352
478.02		87.355
478.05		87.364
478.14	26.866	87.392
478.24	26.868	87.422
478.34	26.87	87.452
478.44	26.872	87.483
478.54	26.873	87.513
478.64	26.875	87.544
478.74	26.877	87.574
478.84	26.879	87.605
478.94	26.881	87.635
479.	26.882	87.653
479.01		87.656
479.02		87.659
479.05	26.883	87.668
479.14	26.884	87.696
479.24	26.886	87.726
479.34	26.888	87.756
479.44	26.89	87.787
479.54	26.892	87.817
479.64	26.893	87.847
479.74	26.895	87.877
479.84	26.897	87.908
479.94	26.899	87.938
480.	26.9	87.956
480.01		87.959
480.02		87.962
480.05	26.901	87.971
480.14	26.903	87.998
480.24	26.904	88.029
480.34	26.906	88.059
480.44	26.908	88.089
480.54	26.91	88.119
480.64	26.912	88.149
480.74	26.914	88.18
480.84	26.915	88.21
480.94	26.917	88.24
481.	26.918	88.258
481.01		88.261
481.02	26.919	88.264
481.05		88.273
481.14	26.921	88.3
481.24	26.923	88.33
481.34	26.924	88.36
481.44	26.926	88.39
481.54	26.928	88.42
481.64	26.93	88.45

481.74	26.932	88.48
481.84	26.934	88.51
481.94	26.935	88.54
482.	26.936	88.558
482.01	26.937	88.561
482.02		88.564
482.05		88.573
482.14	26.939	88.6
482.24	26.941	88.63
482.34	26.943	88.66
482.44	26.944	88.69
482.54	26.946	88.72
482.64	26.948	88.75
482.74	26.95	88.78
482.84	26.952	88.81
482.94	26.954	88.84
483.	26.955	88.858
483.01		88.86
483.02		88.863
483.05	26.956	88.872
483.14	26.957	88.899
483.24	26.959	88.929
483.34	26.961	88.959
483.44	26.963	88.989
483.54	26.964	89.019
483.64	26.966	89.048
483.74	26.968	89.078
483.84	26.97	89.108
483.94	26.972	89.138
484.	26.973	89.155
484.01		89.158
484.02		89.161
484.05	26.974	89.17
484.14	26.975	89.197
484.24	26.977	89.227
484.34	26.979	89.256
484.44	26.981	89.286
484.54	26.983	89.316
484.64	26.984	89.345
484.74	26.986	89.375
484.84	26.988	89.405
484.94	26.99	89.434
485.	26.991	89.452
485.01		89.455
485.02		89.458
485.05	26.992	89.467
485.14	26.994	89.494
485.24	26.995	89.523
485.34	26.997	89.553
485.44	26.999	89.582
485.54	27.001	89.612
485.64	27.003	89.641
485.74	27.004	89.671
485.84	27.006	89.7
485.94	27.008	89.73
486.	27.009	89.748
486.01		89.75
486.02	27.01	89.753
486.05		89.762
486.14	27.012	89.789
486.24	27.013	89.818
486.34	27.015	89.848
486.44	27.017	89.877
486.54	27.019	89.906
486.64	27.021	89.936
486.74	27.023	89.965

486.84	27.024	89.995
486.94	27.026	90.024
487.	27.027	90.042
487.01		90.045
487.02	27.028	90.047
487.05		90.056
487.14	27.03	90.083
487.24	27.032	90.112
487.34	27.033	90.141
487.44	27.035	90.171
487.54	27.037	90.2
487.64	27.039	90.229
487.74	27.041	90.258
487.84	27.042	90.288
487.94	27.044	90.317
488.	27.045	90.334
488.01	27.046	90.337
488.02		90.34
488.05		90.349
488.14	27.048	90.375
488.24	27.05	90.405
488.34	27.052	90.434
488.44	27.053	90.463
488.54	27.055	90.492
488.64	27.057	90.521
488.74	27.059	90.55
488.84	27.061	90.579
488.94	27.062	90.609
489.	27.063	90.626
489.01	27.064	90.629
489.02		90.632
489.05		90.641
489.14	27.066	90.667
489.24	27.068	90.696
489.34	27.07	90.725
489.44	27.071	90.754
489.54	27.073	90.783
489.64	27.075	90.812
489.74	27.077	90.841
489.84	27.079	90.87
489.94	27.08	90.899
490.	27.082	90.916
490.01		90.919
490.02		90.922
490.05		90.931
490.14	27.084	90.957
490.24	27.086	90.986
490.34	27.088	91.015
490.44	27.089	91.044
490.54	27.091	91.072
490.64	27.093	91.101
490.74	27.095	91.13
490.84	27.097	91.159
490.94	27.098	91.188
491.	27.1	91.205
491.01		91.208
491.02		91.211
491.05		91.22
491.14	27.102	91.246
491.24	27.104	91.274
491.34	27.106	91.303
491.44	27.107	91.332
491.54	27.109	91.361
491.64	27.111	91.39
491.74	27.113	91.418
491.84	27.115	91.447

491.94	27.116	91.476
492.	27.118	91.493
492.01		91.496
492.02		91.499
492.05		91.507
492.14	27.12	91.533
492.24	27.122	91.562
492.34	27.124	91.59
492.44	27.125	91.619
492.54	27.127	91.648
492.64	27.129	91.676
492.74	27.131	91.705
492.84	27.133	91.734
492.94	27.134	91.762
493.	27.136	91.779
493.01		91.782
493.02		91.785
493.05		91.794
493.14	27.138	91.819
493.24	27.14	91.848
493.34	27.142	91.877
493.44	27.143	91.905
493.54	27.145	91.934
493.64	27.147	91.962
493.74	27.149	91.991
493.84	27.151	92.019
493.94	27.152	92.048
494.	27.154	92.065
494.01		92.068
494.02		92.07
494.05		92.079
494.14	27.156	92.105
494.24	27.158	92.133
494.34	27.16	92.161
494.44	27.161	92.19
494.54	27.163	92.218
494.64	27.165	92.247
494.74	27.167	92.275
494.84	27.169	92.303
494.94	27.17	92.332
495.	27.172	92.349
495.01		92.352
495.02		92.354
495.05		92.363
495.14	27.174	92.388
495.24	27.176	92.417
495.34	27.178	92.445
495.44	27.179	92.473
495.54	27.181	92.502
495.64	27.183	92.53
495.74	27.185	92.558
495.84	27.187	92.586
495.94	27.188	92.615
496.	27.189	92.632
496.01	27.19	92.634
496.02		92.637
496.05		92.646
496.14	27.192	92.671
496.24	27.194	92.699
496.34	27.196	92.728
496.44	27.197	92.756
496.54	27.199	92.784
496.64	27.201	92.812
496.74	27.203	92.84
496.84	27.205	92.868
496.94	27.206	92.896

497.	27.207	92.913
497.01	27.208	92.916
497.02		92.919
497.05		92.927
497.14	27.21	92.953
497.24	27.212	92.981
497.34	27.213	93.009
497.44	27.215	93.037
497.54	27.217	93.065
497.64	27.219	93.093
497.74	27.221	93.121
497.84	27.222	93.149
497.94	27.224	93.177
498.	27.225	93.194
498.01		93.196
498.02	27.226	93.199
498.05		93.208
498.14	27.228	93.233
498.24	27.23	93.261
498.34	27.231	93.289
498.44	27.233	93.317
498.54	27.235	93.345
498.64	27.237	93.372
498.74	27.239	93.4
498.84	27.24	93.428
498.94	27.242	93.456
499.	27.243	93.473
499.01		93.476
499.02	27.244	93.478
499.05		93.487
499.14	27.246	93.512
499.24	27.247	93.54
499.34	27.249	93.567
499.44	27.251	93.595
499.54	27.253	93.623
499.64	27.255	93.651
499.74	27.256	93.679
499.84	27.258	93.706
499.94	27.26	93.734
500.	27.261	93.751
500.01		93.753
500.02		93.756
500.05	27.262	93.765
500.14	27.264	93.789
500.24	27.265	93.817
500.34	27.267	93.845
500.44	27.269	93.873
500.54	27.271	93.9
500.64	27.272	93.928
500.74	27.274	93.956
500.84	27.276	93.983
500.94	27.278	94.011
501.	27.279	94.027
501.01		94.03
501.02		94.033
501.05	27.28	94.041
501.14	27.281	94.066
501.24	27.283	94.094
501.34	27.285	94.121
501.44	27.287	94.149
501.54	27.289	94.176
501.64	27.29	94.204
501.74	27.292	94.231
501.84	27.294	94.259
501.94	27.296	94.286
502.		94.303

502.01	27.297	94.306
502.02		94.308
502.05	27.298	94.317
502.14	27.299	94.341
502.24	27.301	94.369
502.34	27.303	94.396
502.44	27.305	94.424
502.54	27.306	94.451
502.64	27.308	94.478
502.74	27.31	94.506
502.84	27.312	94.533
502.94	27.313	94.561
503.	27.315	94.577
503.01		94.58
503.02		94.583
503.05		94.591
503.14	27.317	94.615
503.24	27.319	94.643
503.34	27.321	94.67
503.44	27.322	94.697
503.54	27.324	94.725
503.64	27.326	94.752
503.74	27.328	94.779
503.84	27.33	94.807
503.94	27.331	94.834
504.	27.332	94.85
504.01	27.333	94.853
504.02		94.856
504.05		94.864
504.14	27.335	94.888
504.24	27.337	94.915
504.34	27.338	94.943
504.44	27.34	94.97
504.54	27.342	94.997
504.64	27.344	95.024
504.74	27.346	95.051
504.84	27.347	95.079
504.94	27.349	95.106
505.	27.35	95.122
505.01		95.125
505.02		95.127
505.05	27.351	95.136
505.14	27.353	95.16
505.24	27.354	95.187
505.34	27.356	95.214
505.44	27.358	95.241
505.54	27.36	95.268
505.64	27.361	95.295
505.74	27.363	95.322
505.84	27.365	95.349
505.94	27.367	95.376
506.	27.368	95.393
506.01		95.395
506.02		95.398
506.05	27.369	95.406
506.14	27.37	95.43
506.24	27.372	95.457
506.34	27.374	95.484
506.44	27.376	95.511
506.54	27.377	95.538
506.64	27.379	95.565
506.74	27.381	95.592
506.84	27.383	95.619
506.94	27.385	95.646
507.	27.386	95.662
507.01		95.665

507.02		95.667
507.05	27.387	95.676
507.14	27.388	95.7
507.24	27.39	95.727
507.34	27.392	95.753
507.44	27.393	95.78
507.54	27.395	95.807
507.64	27.397	95.834
507.74	27.399	95.861
507.84	27.401	95.888
507.94	27.402	95.914
508.	27.403	95.93
508.01		95.933
508.02	27.404	95.936
508.05		95.944
508.14	27.406	95.968
508.24	27.408	95.995
508.34	27.409	96.021
508.44	27.411	96.048
508.54	27.413	96.075
508.64	27.415	96.102
508.74	27.416	96.128
508.84	27.418	96.155
508.94	27.42	96.182
509.		96.198
509.01	27.421	96.2
509.02		96.203
509.05	27.422	96.211
509.14	27.424	96.235
509.24	27.425	96.262
509.34	27.427	96.288
509.44	27.429	96.315
509.54	27.431	96.341
509.64	27.432	96.368
509.74	27.434	96.395
509.84	27.436	96.421
509.94	27.438	96.448
510.		96.464
510.01	27.439	96.466
510.02		96.469
510.05	27.44	96.477
510.14	27.441	96.501
510.24	27.443	96.527
510.34	27.445	96.554
510.44	27.446	96.58
510.54	27.448	96.607
510.64	27.45	96.633
510.74	27.452	96.66
510.84	27.454	96.686
510.94	27.455	96.713
511.	27.456	96.728
511.01		96.731
511.02	27.457	96.734
511.05		96.742
511.14	27.459	96.765
511.24	27.461	96.792
511.34	27.462	96.818
511.44	27.464	96.845
511.54	27.466	96.871
511.64	27.468	96.897
511.74	27.469	96.924
511.84	27.471	96.95
511.94	27.473	96.976
512.		96.992
512.01	27.474	96.995
512.02		96.997

512.05	27.475	97.005
512.14	27.477	97.029
512.24	27.478	97.055
512.34	27.48	97.081
512.44	27.482	97.108
512.54	27.484	97.134
512.64	27.485	97.16
512.74	27.487	97.186
512.84	27.489	97.213
512.94	27.491	97.239
513.	27.492	97.255
513.01		97.257
513.02		97.26
513.05	27.493	97.268
513.14	27.494	97.291
513.24	27.496	97.317
513.34	27.498	97.344
513.44	27.499	97.37
513.54	27.501	97.396
513.64	27.503	97.422
513.74	27.505	97.448
513.84	27.506	97.474
513.94	27.508	97.5
514.	27.509	97.516
514.01		97.519
514.02	27.51	97.521
514.05		97.529
514.14	27.512	97.552
514.24	27.514	97.578
514.34	27.515	97.604
514.44	27.517	97.631
514.54	27.519	97.657
514.64	27.521	97.683
514.74	27.522	97.709
514.84	27.524	97.735
514.94	27.526	97.76
515.	27.527	97.776
515.01		97.779
515.02		97.781
515.05	27.528	97.789
515.14	27.529	97.812
515.24	27.531	97.838
515.34	27.533	97.864
515.44	27.535	97.89
515.54	27.536	97.916
515.64	27.538	97.942
515.74	27.54	97.968
515.84	27.542	97.994
515.94	27.543	98.02
516.	27.544	98.035
516.01	27.545	98.038
516.02		98.04
516.05		98.048
516.14	27.547	98.071
516.24	27.549	98.097
516.34	27.55	98.123
516.44	27.552	98.149
516.54	27.554	98.174
516.64	27.556	98.2
516.74	27.557	98.226
516.84	27.559	98.252
516.94	27.561	98.278
517.	27.562	98.293
517.01		98.296
517.02		98.298
517.05	27.563	98.306

517.14	27.564	98.329
517.24	27.566	98.355
517.34	27.568	98.38
517.44	27.57	98.406
517.54	27.572	98.432
517.64	27.573	98.457
517.74	27.575	98.483
517.84	27.577	98.509
517.94	27.579	98.534
518.	27.58	98.55
518.01		98.552
518.02		98.555
518.05		98.562
518.14	27.582	98.586
518.24	27.584	98.611
518.34	27.586	98.637
518.44	27.587	98.662
518.54	27.589	98.688
518.64	27.591	98.713
518.74	27.593	98.739
518.84	27.594	98.764
518.94	27.596	98.79
519.	27.597	98.805
519.01		98.808
519.02		98.81
519.05	27.598	98.818
519.14	27.6	98.841
519.24	27.601	98.866
519.34	27.603	98.892
519.44	27.605	98.917
519.54	27.607	98.943
519.64	27.608	98.968
519.74	27.61	98.994
519.84	27.612	99.019
519.94	27.614	99.044
520.	27.615	99.06
520.01		99.062
520.02		99.065
520.05		99.072
520.14	27.617	99.095
520.24	27.619	99.12
520.34	27.621	99.146
520.44	27.622	99.171
520.54	27.624	99.197
520.64	27.626	99.222
520.74	27.628	99.247
520.84	27.629	99.272
520.94	27.631	99.298
521.	27.632	99.313
521.01		99.315
521.02		99.318
521.05	27.633	99.325
521.14	27.635	99.348
521.24	27.636	99.373
521.34	27.638	99.399
521.44	27.64	99.424
521.54	27.642	99.449
521.64	27.643	99.474
521.74	27.645	99.5
521.84	27.647	99.525
521.94	27.649	99.55
522.	27.65	99.565
522.01		99.567
522.02		99.57
522.05		99.578
522.14	27.652	99.6

522.24	27.654	99.625
522.34	27.656	99.65
522.44	27.657	99.676
522.54	27.659	99.701
522.64	27.661	99.726
522.74	27.663	99.751
522.84	27.664	99.776
522.94	27.666	99.801
523.	27.667	99.816
523.01		99.818
523.02		99.821
523.05	27.668	99.828
523.14	27.669	99.851
523.24	27.671	99.876
523.34	27.673	99.901
523.44	27.675	99.926
523.54	27.676	99.951
523.64	27.678	99.976
523.74	27.68	100.
523.84	27.682	100.03
523.94	27.683	100.05
524.	27.684	100.07
524.01	27.685	
524.02		
524.05		100.08
524.14	27.687	100.1
524.24	27.689	100.13
524.34	27.69	100.15
524.44	27.692	100.18
524.54	27.694	100.2
524.64	27.696	100.22
524.74	27.697	100.25
524.84	27.699	100.27
524.94	27.701	100.3
525.	27.702	100.31
525.01		100.32
525.02		
525.05	27.703	100.33
525.14	27.704	100.35
525.24	27.706	100.37
525.34	27.708	100.4
525.44	27.71	100.42
525.54	27.711	100.45
525.64	27.713	100.47
525.74	27.715	100.5
525.84	27.717	100.52
525.94	27.718	100.55
526.	27.719	100.56
526.01		
526.02	27.72	100.57
526.05		
526.14	27.722	100.6
526.24	27.723	100.62
526.34	27.725	100.65
526.44	27.727	100.67
526.54	27.729	100.69
526.64	27.73	100.72
526.74	27.732	100.74
526.84	27.734	100.77
526.94	27.736	100.79
527.	27.737	100.81
527.01		
527.02		
527.05	27.738	100.82
527.14	27.739	100.84
527.24	27.741	100.87

527.34	27.743	100.89
527.44	27.744	100.92
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527.64	27.748	100.97
527.74	27.75	100.99
527.84	27.751	101.01
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528.02		
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528.24	27.758	101.11
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528.44	27.762	101.16
528.54	27.763	101.19
528.64	27.765	101.21
528.74	27.767	101.23
528.84	27.769	101.26
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529.14	27.774	101.33
529.24	27.776	101.36
529.34	27.777	101.38
529.44	27.779	101.4
529.54	27.781	101.43
529.64	27.783	101.45
529.74	27.784	101.48
529.84	27.786	101.5
529.94	27.788	101.53
530.	27.789	101.54
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530.02		101.55
530.05	27.79	
530.14	27.791	101.57
530.24	27.793	101.6
530.34	27.795	101.62
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530.54	27.798	101.67
530.64	27.8	101.7
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530.94	27.805	101.77
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531.02		101.79
531.05	27.807	
531.14	27.809	101.82
531.24	27.81	101.84
531.34	27.812	101.86
531.44	27.814	101.89
531.54	27.815	101.91
531.64	27.817	101.94
531.74	27.819	101.96
531.84	27.821	101.98
531.94	27.822	102.01
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532.01	27.824	102.03
532.02		
532.05		102.04
532.14	27.826	102.06
532.24	27.828	102.08
532.34	27.829	102.1

532.44	27.831	102.13
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532.84	27.838	102.22
532.94	27.84	102.25
533.	27.841	102.26
533.01		102.27
533.02		
533.05	27.842	
533.14	27.843	102.3
533.24	27.845	102.32
533.34	27.847	102.34
533.44	27.848	102.37
533.54	27.85	102.39
533.64	27.852	102.42
533.74	27.853	102.44
533.84	27.855	102.46
533.94	27.857	102.49
534.	27.858	102.5
534.01		
534.02		102.51
534.05	27.859	
534.14	27.86	102.53
534.24	27.862	102.56
534.34	27.864	102.58
534.44	27.866	102.61
534.54	27.867	102.63
534.64	27.869	102.65
534.74	27.871	102.68
534.84	27.872	102.7
534.94	27.874	102.72
535.	27.875	102.74
535.01		
535.02	27.876	
535.05		102.75
535.14	27.878	102.77
535.24	27.879	102.8
535.34	27.881	102.82
535.44	27.883	102.84
535.54	27.885	102.87
535.64	27.886	102.89
535.74	27.888	102.91
535.84	27.89	102.94
535.94	27.891	102.96
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536.34	27.898	103.06
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537.24	27.914	103.27
537.34	27.916	103.29
537.44	27.917	103.31

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539.74	27.957	103.85
539.84	27.959	103.87
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541.34	27.984	104.22
541.44	27.986	104.24
541.54	27.988	104.27
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556.05		
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557.	28.252	107.7
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557.64	28.262	107.84
557.74	28.264	107.86
557.84	28.266	107.88

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558.	28.269	107.91
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558.54	28.278	108.03
558.64	28.279	108.05
558.74	28.281	108.07
558.84	28.283	108.09
558.94	28.285	108.11
559.	28.286	108.12
559.01		108.13
559.02		
559.05		108.14
559.14	28.288	108.15
559.24	28.29	108.18
559.34	28.291	108.2
559.44	28.293	108.22
559.54	28.295	108.24
559.64	28.296	108.26
559.74	28.298	108.28
559.84	28.3	108.3
559.94	28.301	108.32
560.	28.302	108.34
560.4	28.309	108.42
560.8	28.316	108.51
562.	28.336	108.76
565.6	28.397	109.51
569.6	28.465	110.32
573.6	28.533	111.12
577.6	28.6	111.91
581.6	28.668	112.69
585.6	28.735	113.44
589.6	28.802	114.19
593.6	28.869	114.92
597.6	28.937	115.64
600.	28.977	116.07
606.	29.078	117.11
612.	29.179	118.12
630.	29.485	121.
684.	30.421	127.51
738.	31.379	132.57
798.	32.469	136.76
858.	33.572	139.81
918.	34.675	141.96
978.	35.765	143.4
1038.	36.828	144.27
1098.	37.853	144.7
1158.	38.831	144.77
1200.	39.488	144.67
1212.	39.673	144.65
1224.	39.857	144.61
1260.	40.385	144.37
1296.	40.89	144.06
1404.	42.2	142.66
1512.	43.294	140.91
1632.	44.259	138.68
1752.	44.993	136.24
1872.	45.522	133.65
1992.	45.871	130.95
2112.	46.068	128.19
2232.	46.134	125.37

2352.	46.093	122.54
2400.	46.058	121.38
2412.	46.049	121.1
2424.	46.038	120.81
2460.	46.	120.
2568.	45.826	117.43
2676.	45.602	114.89
2796.	45.307	112.11
2916.	44.976	109.37
3036.	44.618	106.68
3156.	44.239	104.03
3276.	43.847	101.45
3396.	43.447	98.926
3516.	43.043	96.464
3600.	42.758	94.757
3612.	42.717	94.511
3624.	42.676	94.27
3660.	42.555	93.574
3768.	42.192	91.472
3876.	41.831	89.422
3996.	41.437	87.215
4116.	41.05	85.072
4236.	40.671	82.992
4356.	40.3	80.974
4476.	39.938	79.017
4596.	39.586	77.12
4716.	39.243	75.281
4800.	39.006	74.015
4812.	38.973	73.835
4824.	38.939	73.656
4860.	38.84	73.138
4968.	38.549	71.587
5076.	38.265	70.08
5196.	37.96	68.463
5316.	37.663	66.896
5436.	37.375	65.38
5556.	37.096	63.913
5676.	36.825	62.492
5796.	36.562	61.117
5916.	36.307	59.787
6000.	36.131	58.872
6012.	36.106	58.742
6024.	36.081	58.613
6060.	36.008	58.237
6168.	35.792	57.118
6276.	35.582	56.031
6396.	35.356	54.865
6516.	35.136	53.736
6636.	34.922	52.644
6756.	34.715	51.588
6876.	34.513	50.566
6996.	34.317	49.577
7116.	34.126	48.62
7200.	33.995	47.963

FIGURE 23
Model (H4) > Transient Thermal (H5) > Solution (H6) > Permacon T

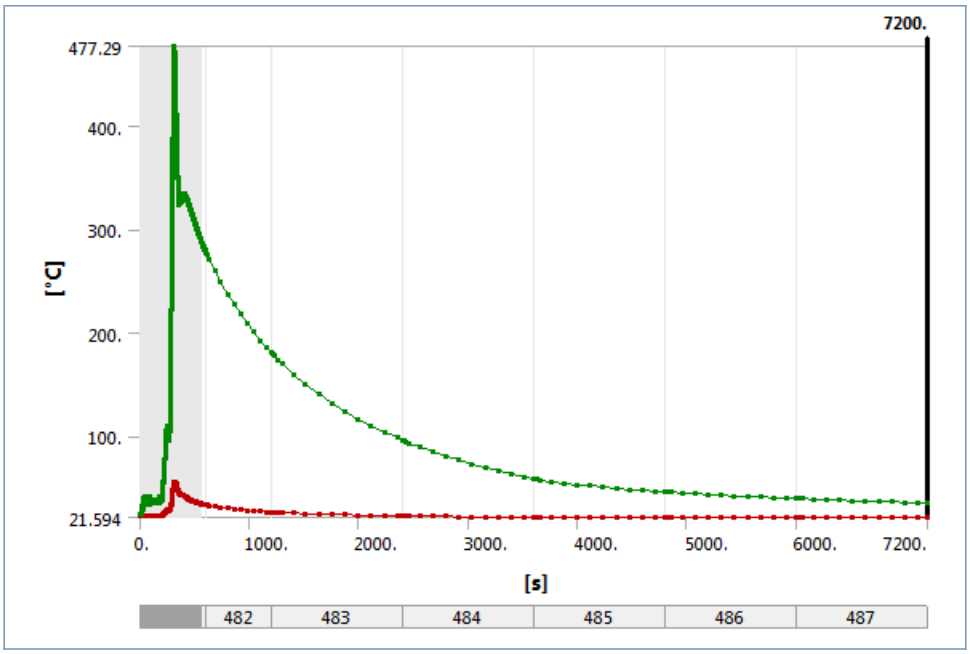


TABLE 31
Model (H4) > Transient Thermal (H5) > Solution (H6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.995	23.985
4.e-002	22.747	24.027
0.1	22.575	24.039
0.28	22.478	24.032
0.48	22.446	
0.68	22.432	24.037
0.88	22.423	24.039
1.08	22.418	24.04
1.28	22.413	
1.48	22.41	
1.68	22.408	24.039
1.88	22.406	24.038
2.	22.405	
2.02		
2.04		24.037
2.1		
2.28	22.404	24.036
2.48	22.403	24.035
2.68	22.402	24.033
2.88	22.401	24.032
3.08		24.03
3.28		24.028
3.48	22.4	24.027
3.68		24.025
3.88		24.024
4.		24.023
4.02		24.022
4.04		
4.1	22.399	
4.28		24.02
4.48		24.019
4.68		24.017
4.88		24.015
5.08		24.014
5.28		24.012
5.48		24.01
5.68		24.009
5.88		24.007

6.	22.398	24.006
6.02		
6.04		
6.1		24.005
6.28		
6.48	22.397	24.004
6.68		
6.88		
7.08		
7.28		
7.48		
7.68	22.396	
7.88		
8.		
8.02		
8.04		
8.1		
8.28		24.003
8.48		
8.68	22.395	
8.88		
9.08		
9.28		24.002
9.48	22.394	
9.68		
9.88		
10.		24.001
10.02		
10.04		
10.1		
10.28	22.393	
10.48		
10.68		
10.88		24.
11.08	22.392	
11.28		
11.48		23.999
11.68	22.391	
11.88		
12.		23.998
12.02		
12.04		
12.1		
12.28	22.39	
12.48		23.997
12.68		
12.88	22.389	
13.08		23.996
13.28		
13.48	22.388	23.995
13.68		
13.88	22.387	23.994
14.		
14.02		
14.04		
14.1		
14.22		
14.33		24.077
14.441		24.242
14.641	22.389	24.623
14.841	22.392	25.077
15.041	22.397	25.607
15.241	22.403	26.191
15.441	22.412	26.825
15.641	22.423	27.504
15.841	22.437	28.226

16.	22.45	28.827
16.02	22.452	28.9
16.04	22.453	28.971
16.1	22.458	29.169
16.28	22.476	29.682
16.48	22.497	30.185
16.68	22.52	30.641
16.88	22.545	31.061
17.08	22.571	31.452
17.28	22.597	31.819
17.48	22.624	32.165
17.68	22.651	32.493
17.88	22.679	32.806
18.	22.695	32.988
18.02	22.698	33.016
18.04	22.7	33.041
18.1	22.709	33.098
18.28	22.733	33.152
18.48	22.758	33.105
18.68	22.783	32.97
18.88	22.805	32.762
19.08	22.826	32.487
19.28	22.844	32.153
19.48	22.859	31.765
19.68	22.871	31.326
19.87	22.881	30.867
20.	22.886	30.534
20.02		30.487
20.04	22.887	30.444
20.1	22.889	30.345
20.28	22.893	30.213
20.48	22.895	30.209
20.68	22.896	30.313
20.88		30.503
21.08	22.897	30.767
21.28		31.095
21.48	22.899	31.479
21.68	22.902	31.915
21.88	22.907	32.397
22.	22.91	32.703
22.02		32.75
22.04	22.911	32.793
22.1	22.913	32.895
22.28	22.92	33.052
22.48	22.929	33.095
22.68	22.938	33.04
22.88	22.947	32.905
23.08	22.955	32.701
23.28	22.963	32.438
23.48	22.969	32.122
23.68	22.974	31.757
23.861	22.977	31.39
24.	22.978	31.089
24.02		31.047
24.04		31.007
24.1		30.899
24.28	22.977	30.636
24.48	22.974	30.391
24.68	22.97	30.179
24.88	22.964	29.992
25.08	22.957	29.823
25.28	22.95	29.671
25.48	22.941	29.53
25.68	22.933	29.401
25.88	22.924	29.281
26.	22.918	29.212

26.02	22.917	29.202
26.04	22.916	29.194
26.1	22.913	29.184
26.224	22.908	29.204
26.424	22.899	29.316
26.615	22.891	29.48
26.805	22.884	29.693
27.005	22.878	29.963
27.205	22.874	30.276
27.405	22.871	30.627
27.605	22.869	31.012
27.805	22.87	31.431
28.	22.873	31.868
28.02		31.911
28.04		31.953
28.1	22.875	32.068
28.28	22.879	32.359
28.48	22.886	32.638
28.68	22.894	32.886
28.88	22.904	33.11
29.08	22.914	33.316
29.28	22.925	33.507
29.48	22.937	33.684
29.68	22.948	33.851
29.88	22.961	34.008
30.	22.968	34.099
30.02	22.969	34.116
30.04	22.97	34.134
30.1	22.974	34.2
30.28	22.985	34.464
30.48	22.998	34.816
30.68	23.012	35.214
30.88	23.027	35.651
31.08	23.042	36.121
31.28	23.059	36.622
31.48	23.076	37.15
31.68	23.096	37.703
31.88	23.116	38.281
32.	23.129	38.635
32.02	23.131	38.691
32.04	23.134	38.744
32.1	23.14	38.881
32.28	23.161	39.168
32.48	23.185	39.377
32.68	23.209	39.503
32.88	23.232	39.56
33.08	23.255	39.557
33.28	23.277	39.503
33.48	23.298	39.402
33.68	23.317	39.259
33.88	23.335	39.077
34.	23.344	38.954
34.02	23.346	38.934
34.04	23.347	38.913
34.1	23.352	38.847
34.28	23.364	38.627
34.48	23.375	38.355
34.68	23.384	38.055
34.88	23.391	37.73
35.08	23.396	37.379
35.28	23.398	37.005
35.48	23.399	36.608
35.68	23.397	36.188
35.88	23.393	35.747
36.	23.389	35.475
36.02		35.432

36.04	23.388	35.393
36.1	23.386	35.296
36.28	23.38	35.126
36.48	23.371	35.042
36.68	23.361	35.039
36.88	23.352	35.102
37.08	23.343	35.221
37.28	23.334	35.39
37.48	23.326	35.603
37.68	23.32	35.856
37.88	23.315	36.146
38.	23.312	36.332
38.02		36.362
38.04		36.39
38.1	23.311	36.468
38.28	23.309	36.663
38.48	23.308	36.849
38.68	23.309	37.016
38.88	23.311	37.169
39.08	23.314	37.311
39.28	23.318	37.445
39.48	23.322	37.573
39.68	23.327	37.695
39.88	23.332	37.814
40.	23.336	37.884
40.02		37.897
40.04	23.337	37.911
40.1	23.339	37.965
40.28	23.344	38.19
40.48	23.351	38.496
40.68	23.359	38.846
40.88	23.368	39.234
41.08	23.378	39.656
41.28	23.39	40.108
41.48	23.402	40.587
41.68	23.417	41.092
41.88	23.432	41.621
42.	23.442	41.947
42.02	23.444	41.996
42.04	23.446	42.041
42.1	23.451	42.144
42.28	23.467	42.264
42.48	23.486	42.231
42.68	23.504	42.067
42.88	23.521	41.794
43.08	23.536	41.428
43.28	23.55	40.979
43.48	23.561	40.455
43.68	23.569	39.863
43.872	23.573	39.234
44.	23.575	38.792
44.02		38.726
44.04		38.662
44.1	23.576	38.488
44.28	23.574	38.06
44.48	23.569	37.659
44.68	23.562	37.308
44.88	23.553	36.996
45.08	23.543	36.714
45.28	23.53	36.457
45.48	23.517	36.219
45.68	23.503	35.998
45.88	23.489	35.792
46.	23.48	35.673
46.02	23.479	35.655
46.04	23.477	35.639

46.1	23.473	35.604
46.28	23.459	35.583
46.48	23.445	35.636
46.68	23.432	35.751
46.88	23.419	35.92
47.08	23.408	36.135
47.28	23.399	36.393
47.48	23.391	36.69
47.68	23.385	37.023
47.88	23.381	37.389
48.	23.379	37.62
48.02		37.655
48.04		37.687
48.1	23.378	37.762
48.28		37.862
48.48	23.379	37.867
48.68	23.381	37.79
48.88	23.383	37.648
49.08	23.385	37.45
49.28	23.386	37.203
49.48	23.387	36.912
49.68	23.386	36.582
49.88	23.384	36.216
50.	23.383	35.985
50.02	23.382	35.949
50.04		35.917
50.1	23.381	35.843
50.28	23.377	35.745
50.48	23.372	35.744
50.68	23.367	35.826
50.88	23.361	35.975
51.08	23.356	36.181
51.28	23.352	36.437
51.48	23.349	36.737
51.68	23.347	37.078
51.88	23.348	37.456
52.		37.696
52.02		37.732
52.04		37.766
52.1	23.349	37.843
52.28	23.352	37.949
52.48	23.356	37.957
52.68	23.36	37.882
52.88	23.365	37.74
53.08	23.369	37.54
53.28	23.373	37.29
53.48	23.376	36.995
53.68	23.377	36.66
53.877		36.294
54.	23.376	36.051
54.02		36.015
54.04		35.983
54.1		35.907
54.28	23.373	35.809
54.48	23.369	35.817
54.68	23.365	35.92
54.88	23.361	36.084
55.08	23.357	36.298
55.28	23.354	36.555
55.48	23.352	36.852
55.68		37.198
55.88	23.353	37.589
56.	23.354	37.836
56.02	23.355	37.875
56.04		37.914
56.1	23.356	38.018

56.28	23.36	38.281
56.48	23.366	38.533
56.68	23.373	38.757
56.88	23.381	38.96
57.08	23.39	39.147
57.28	23.4	39.321
57.48	23.411	39.484
57.68	23.422	39.638
57.88	23.433	39.785
58.	23.44	39.87
58.02	23.441	39.884
58.04	23.442	39.898
58.1	23.445	39.94
58.28	23.456	40.06
58.48	23.467	40.189
58.68	23.479	40.312
58.88	23.49	40.432
59.08	23.502	40.547
59.28	23.513	40.66
59.48	23.524	40.769
59.68	23.535	40.875
59.88	23.546	40.979
60.	23.553	41.04
60.02	23.554	41.048
60.04	23.555	41.055
60.1	23.558	41.061
60.28	23.567	41.
60.48	23.577	40.858
60.68	23.585	40.657
60.88	23.593	40.406
61.08	23.599	40.111
61.28	23.603	39.776
61.48	23.606	39.405
61.68		39.
61.88	23.605	38.563
62.	23.604	38.29
62.02	23.603	38.246
62.04		38.204
62.1	23.602	38.087
62.28	23.597	37.793
62.48	23.591	37.51
62.68	23.583	37.259
62.88	23.573	37.057
63.08	23.563	36.881
63.28	23.552	36.719
63.48	23.541	36.567
63.68	23.529	36.424
63.88	23.517	36.288
64.	23.51	36.21
64.02	23.509	36.199
64.04	23.507	36.19
64.1	23.504	36.175
64.28	23.493	36.213
64.48	23.482	36.325
64.68	23.471	36.495
64.88	23.462	36.711
65.08	23.454	36.968
65.28	23.448	37.262
65.48	23.444	37.59
65.68	23.441	37.949
65.88		38.338
66.		38.581
66.02		38.618
66.04	23.442	38.652
66.1		38.73
66.28	23.445	38.835

66.48	23.45	38.844
66.68	23.455	38.779
66.88	23.46	38.653
67.08	23.466	38.466
67.28	23.47	38.229
67.48	23.474	37.96
67.68	23.477	37.655
67.864	23.478	37.346
68.	23.477	37.103
68.02		37.069
68.04		37.036
68.1		36.948
68.28	23.475	36.736
68.48	23.472	36.539
68.68	23.467	36.367
68.88	23.461	36.213
69.08	23.454	36.073
69.28	23.446	35.943
69.48	23.438	35.822
69.68	23.43	35.708
69.88	23.421	35.6
70.	23.416	35.537
70.02	23.415	35.526
70.04	23.414	35.516
70.1	23.411	35.485
70.28	23.403	35.397
70.48	23.394	35.303
70.68	23.385	35.213
70.88	23.376	35.126
71.08	23.367	35.042
71.28	23.359	34.96
71.48	23.35	34.882
71.68	23.342	34.806
71.88	23.333	34.732
72.	23.328	34.688
72.02		34.681
72.04	23.327	34.673
72.1	23.324	34.652
72.28	23.317	34.589
72.48	23.309	34.521
72.68	23.302	34.454
72.88	23.295	34.389
73.08	23.287	34.326
73.28	23.28	34.264
73.48	23.273	34.203
73.68	23.267	34.144
73.88	23.26	34.086
74.	23.256	34.051
74.02		34.047
74.04	23.255	34.046
74.1	23.253	34.054
74.22	23.25	34.112
74.42	23.244	34.286
74.603	23.24	34.496
74.787	23.237	34.748
74.987	23.234	35.067
75.187		35.423
75.387	23.235	35.814
75.587	23.238	36.237
75.787	23.243	36.69
75.893	23.247	36.94
76.	23.251	37.197
76.02	23.252	37.244
76.04		37.289
76.1	23.255	37.413
76.28	23.264	37.725

76.48	23.276	38.026
76.68	23.29	38.297
76.88	23.304	38.546
77.08	23.32	38.777
77.28	23.336	38.995
77.48	23.353	39.202
77.68	23.371	39.408
77.88	23.388	39.621
78.	23.399	39.746
78.02	23.401	39.767
78.04	23.402	39.787
78.1	23.408	39.848
78.28	23.424	40.024
78.48	23.441	40.212
78.68	23.459	40.394
78.88	23.476	40.57
79.08	23.493	40.741
79.28	23.51	40.906
79.48	23.527	41.068
79.68	23.543	41.225
79.88	23.56	41.378
80.	23.569	41.469
80.02	23.571	41.482
80.04	23.573	41.493
80.1	23.577	41.511
80.28	23.591	41.476
80.48	23.605	41.355
80.68	23.619	41.169
80.88	23.631	40.926
81.08	23.641	40.633
81.28	23.649	40.296
81.48	23.656	39.918
81.68	23.66	39.502
81.88		39.051
82.		38.768
82.02	23.662	38.722
82.04		38.679
82.1		38.558
82.28	23.66	38.286
82.48	23.656	38.044
82.68	23.65	37.832
82.88	23.642	37.643
83.08	23.634	37.471
83.28	23.625	37.313
83.48	23.615	37.166
83.68	23.604	37.028
83.88	23.594	36.899
84.	23.587	36.824
84.02	23.586	36.812
84.04	23.585	36.8
84.1	23.582	36.763
84.28	23.572	36.659
84.48	23.561	36.549
84.68	23.55	36.444
84.88	23.539	36.344
85.08	23.528	36.248
85.28	23.517	36.155
85.48	23.507	36.066
85.68	23.496	35.981
85.88	23.486	35.898
86.	23.48	35.849
86.02	23.479	35.841
86.04	23.478	35.833
86.1	23.475	35.809
86.28	23.466	35.74
86.48	23.457	35.665

86.68	23.448	35.592
86.88	23.439	35.521
87.08	23.43	35.452
87.28	23.421	35.386
87.48	23.413	35.32
87.68	23.405	35.257
87.88	23.397	35.195
88.	23.392	35.158
88.02	23.391	35.152
88.04		35.146
88.1	23.388	35.128
88.28	23.382	35.074
88.48	23.374	35.016
88.68	23.367	34.96
88.88	23.36	34.904
89.08	23.353	34.85
89.28	23.347	34.796
89.48	23.34	34.744
89.68	23.334	34.692
89.88	23.328	34.642
90.	23.324	34.612
90.02		34.607
90.04	23.323	34.602
90.1	23.321	34.587
90.28	23.316	34.543
90.48	23.31	34.495
90.68	23.305	34.447
90.88	23.299	34.429
91.08	23.294	34.424
91.28	23.289	34.42
91.48	23.284	34.415
91.68	23.279	34.41
91.88	23.274	34.405
92.	23.271	34.402
92.02		
92.04		34.401
92.1	23.269	34.4
92.22	23.267	34.422
92.42	23.263	34.479
92.602	23.26	34.697
92.784	23.259	34.987
92.984	23.258	35.353
93.184	23.26	35.761
93.384	23.263	36.206
93.584	23.268	36.686
93.784	23.276	37.198
93.892	23.28	37.484
94.	23.286	37.778
94.02	23.287	37.829
94.04	23.288	37.875
94.1	23.291	37.987
94.28	23.302	38.167
94.48	23.316	38.239
94.68	23.331	38.216
94.88	23.345	38.118
95.08	23.359	37.956
95.28	23.372	37.739
95.48	23.384	37.474
95.68	23.394	37.164
95.834	23.401	36.901
95.917	23.404	36.752
96.	23.407	36.596
96.02	23.408	36.561
96.04		36.527
96.1	23.41	36.437
96.28	23.414	36.228

96.48	23.416	36.04
96.68		35.881
96.88	23.415	35.741
97.08	23.413	35.617
97.28	23.41	35.504
97.48	23.406	35.401
97.68	23.401	35.304
97.88	23.396	35.214
98.	23.393	35.163
98.02		35.154
98.04	23.392	35.145
98.1	23.391	35.12
98.28	23.386	35.049
98.48	23.38	34.973
98.68	23.374	34.956
98.88	23.368	34.95
99.08	23.362	34.945
99.28	23.356	34.94
99.48	23.35	34.935
99.68	23.344	34.93
99.88	23.338	34.925
100.	23.335	34.922
100.02	23.334	34.921
100.04		
100.1	23.332	34.919
100.28	23.327	34.915
100.48	23.321	34.91
100.68	23.316	34.905
100.88	23.311	34.901
101.08	23.306	34.896
101.28	23.301	34.892
101.48	23.296	34.887
101.68	23.291	34.882
101.88	23.286	34.878
102.	23.283	34.875
102.02		
102.04	23.282	34.874
102.09	23.281	34.873
102.2	23.279	34.892
102.4	23.275	34.951
102.57	23.273	35.012
102.74	23.271	35.083
102.94		35.241
103.14	23.272	35.672
103.34	23.275	36.145
103.54	23.281	36.655
103.74	23.288	37.201
103.87	23.295	37.574
104.	23.302	37.96
104.02	23.303	38.014
104.04	23.304	38.065
104.1	23.308	38.186
104.28	23.32	38.384
104.48	23.335	38.467
104.68	23.351	38.449
104.88	23.366	38.35
105.08	23.382	38.183
105.28	23.396	37.958
105.48	23.409	37.681
105.68	23.42	37.356
105.83	23.427	37.08
105.92	23.431	36.923
106.	23.434	36.759
106.02	23.435	36.722
106.04		36.686
106.1	23.437	36.592

106.28	23.441	36.374
106.48	23.444	36.179
106.68	23.445	36.015
106.88	23.444	35.872
107.08	23.442	35.745
107.28	23.439	35.63
107.48	23.435	35.525
107.68	23.43	35.512
107.88	23.425	35.506
108.	23.422	35.503
108.02	23.421	35.502
108.04		
108.1	23.419	35.5
108.28	23.414	35.495
108.48	23.408	35.49
108.68	23.402	35.485
108.88	23.396	35.479
109.08	23.389	35.474
109.28	23.383	35.469
109.48	23.377	35.464
109.68	23.371	35.459
109.88	23.365	35.455
110.	23.362	35.452
110.02	23.361	35.451
110.04	23.36	
110.1	23.359	35.449
110.28	23.353	35.445
110.48	23.348	35.44
110.68	23.342	35.436
110.88	23.337	35.431
111.08	23.331	35.427
111.28	23.326	35.422
111.48	23.321	35.418
111.68	23.316	35.413
111.88	23.311	35.409
112.	23.308	35.406
112.02		
112.04	23.307	35.405
112.1	23.306	35.404
112.28	23.302	35.4
112.48	23.297	35.396
112.68	23.293	35.392
112.88	23.289	35.388
113.08	23.284	35.383
113.28	23.28	35.379
113.48	23.276	35.375
113.68	23.272	35.371
113.88	23.268	35.367
114.	23.266	35.365
114.02		35.364
114.04	23.265	
114.08		35.363
114.16	23.263	35.372
114.33	23.261	35.417
114.47	23.259	35.463
114.61	23.257	35.515
114.81		35.603
115.01	23.258	35.702
115.21	23.26	35.81
115.41	23.265	36.155
115.61	23.272	36.685
115.81	23.281	37.25
116.	23.292	37.818
116.02	23.293	37.873
116.04	23.295	37.924
116.1	23.298	38.047

116.28	23.311	38.25
116.48	23.327	38.339
116.68	23.343	38.325
116.88	23.359	38.231
117.08	23.375	38.07
117.28	23.39	37.849
117.48	23.404	37.576
117.68	23.415	37.256
117.83	23.423	36.987
117.92	23.427	36.83
118.	23.43	36.666
118.02	23.431	36.629
118.04		36.594
118.1	23.434	36.501
118.28	23.438	36.287
118.48	23.441	36.096
118.68	23.442	36.054
118.88		36.041
119.08	23.44	36.032
119.28	23.438	36.023
119.48	23.434	36.016
119.68	23.43	36.009
119.88	23.425	36.004
120.	23.422	36.001
120.02		36.
120.04	23.421	35.999
120.1	23.42	35.998
120.28	23.415	35.993
120.48	23.409	35.988
120.68	23.403	35.983
120.88	23.398	35.978
121.08	23.392	35.974
121.28	23.386	35.969
121.48	23.38	35.965
121.68	23.374	35.96
121.88	23.369	35.956
122.	23.366	35.954
122.02	23.365	35.953
122.04	23.364	
122.1	23.363	35.951
122.28	23.358	35.948
122.48	23.353	35.944
122.68	23.347	35.94
122.88	23.342	35.936
123.08	23.337	35.932
123.28	23.333	35.928
123.48	23.328	35.924
123.68	23.323	35.92
123.88	23.319	35.916
124.	23.316	35.914
124.02		
124.04	23.315	35.913
124.1	23.314	35.912
124.28	23.31	35.909
124.48	23.306	35.905
124.68	23.302	35.902
124.88	23.298	35.898
125.08	23.294	35.894
125.28	23.29	35.891
125.48	23.286	35.887
125.68	23.283	35.884
125.88	23.279	35.88
126.	23.277	35.878
126.02		
126.04		
126.1	23.276	35.877

126.28	23.272	35.874
126.48	23.269	35.87
126.68	23.266	35.867
126.88	23.263	35.864
127.08	23.26	35.86
127.28	23.257	35.857
127.48	23.254	35.854
127.68	23.251	35.851
127.88	23.248	35.848
128.	23.247	35.846
128.02	23.246	35.845
128.04		
128.1	23.245	35.844
128.28	23.243	35.841
128.48	23.24	35.838
128.68	23.238	35.835
128.88	23.235	35.832
129.08	23.233	35.829
129.28	23.23	35.826
129.48	23.228	35.823
129.68	23.226	35.82
129.88	23.224	35.817
130.	23.222	35.815
130.02		
130.04		
130.1	23.221	35.814
130.28	23.219	35.811
130.48	23.217	35.808
130.68	23.215	35.806
130.88	23.213	35.803
131.08	23.211	35.8
131.28	23.209	35.797
131.48	23.207	35.794
131.68	23.205	35.792
131.88	23.203	35.789
132.	23.202	35.787
132.02		
132.04		
132.1	23.201	35.786
132.28	23.2	35.783
132.48	23.198	35.781
132.68	23.196	35.778
132.88	23.195	35.775
133.08	23.193	35.772
133.28	23.192	35.77
133.48	23.19	35.767
133.68	23.188	35.765
133.88	23.187	35.762
134.	23.186	35.76
134.02		
134.04		
134.1	23.185	35.759
134.28	23.184	35.757
134.48	23.182	35.754
134.68	23.181	35.752
134.88	23.18	35.749
135.08	23.178	35.747
135.28	23.177	35.744
135.48	23.176	35.742
135.68	23.174	35.739
135.88	23.173	35.737
136.	23.172	35.735
136.02		
136.04		
136.1		35.734
136.28	23.17	35.732

136.48	23.169	35.729
136.68	23.168	35.727
136.88	23.167	35.724
137.08	23.166	35.722
137.28	23.164	35.719
137.48	23.163	35.717
137.68	23.162	35.715
137.88	23.161	35.712
138.	23.16	35.711
138.02		
138.04		35.71
138.1		
138.28	23.159	35.707
138.48	23.158	35.705
138.68	23.157	35.703
138.88	23.156	35.7
139.08	23.155	35.698
139.28	23.153	35.695
139.48	23.152	35.693
139.68	23.151	35.69
139.88	23.15	35.687
140.		35.686
140.02		
140.04	23.149	35.685
140.1		
140.28	23.148	35.682
140.48	23.147	35.68
140.68	23.146	35.677
140.88	23.145	35.674
141.08	23.144	35.671
141.28	23.143	35.669
141.48	23.142	35.666
141.68	23.141	35.663
141.88	23.14	35.661
142.	23.139	35.659
142.02		
142.04		
142.1		35.658
142.28	23.138	35.655
142.48	23.137	35.653
142.68	23.136	35.65
142.88	23.135	35.648
143.08	23.134	35.645
143.28	23.133	35.643
143.48	23.132	35.64
143.68	23.131	35.638
143.88	23.13	35.636
144.		35.634
144.02		
144.04		
144.1	23.129	35.633
144.28		35.631
144.48	23.128	35.629
144.68	23.127	35.627
144.88	23.126	35.625
145.08	23.125	35.623
145.28		35.62
145.48	23.124	35.618
145.68	23.123	35.616
145.88		35.614
146.	23.122	35.613
146.02		
146.04		35.612
146.1		
146.28	23.121	35.61
146.48		35.608

146.68	23.12	35.606
146.88	23.119	35.603
147.08	23.118	35.601
147.28		35.599
147.48	23.117	35.597
147.68	23.116	35.594
147.88	23.115	35.592
148.		35.59
148.02		
148.04		
148.1	23.114	35.589
148.28		35.587
148.48	23.113	35.584
148.68	23.112	35.582
148.88	23.111	35.58
149.08		35.577
149.28	23.11	35.575
149.48	23.109	35.572
149.68	23.108	35.57
149.88		35.567
150.	23.107	35.566
150.02		35.565
150.04		
150.1		35.564
150.28	23.106	35.562
150.48	23.105	35.56
150.68		35.557
150.88	23.104	35.555
151.08	23.103	35.552
151.28	23.102	35.55
151.48		35.547
151.68	23.101	35.545
151.88	23.1	35.542
152.		35.541
152.02		
152.04	23.099	35.54
152.1		
152.28		35.537
152.48	23.098	35.535
152.68	23.097	35.532
152.88	23.096	35.53
153.08		35.527
153.28	23.095	35.525
153.48	23.094	35.522
153.68	23.093	35.52
153.88		35.517
154.	23.092	35.516
154.02		35.515
154.04		
154.1		35.514
154.28	23.091	35.512
154.48		35.509
154.68	23.09	35.507
154.88	23.089	35.504
155.08	23.088	35.502
155.28		35.499
155.48	23.087	35.497
155.68	23.086	35.494
155.88		35.492
156.	23.085	35.49
156.02		
156.04		
156.1		35.489
156.28	23.084	35.487
156.48	23.083	35.484
156.68		35.481

156.88	23.082	35.479
157.08		35.511
157.18		35.576
157.27		35.662
157.37	23.083	35.763
157.55	23.087	36.013
157.75	23.095	36.325
157.88	23.102	36.533
158.	23.111	37.019
158.02	23.112	37.171
158.04	23.114	37.309
158.1	23.119	37.622
158.28	23.137	37.988
158.48	23.159	37.908
158.68	23.182	37.457
158.82	23.199	36.974
158.92	23.21	36.568
159.02	23.221	36.405
159.12	23.231	36.344
159.27	23.245	36.284
159.46	23.26	36.23
159.66	23.273	36.191
159.86	23.282	36.162
160.	23.287	36.147
160.01		36.146
160.02	23.288	36.145
160.05	23.289	36.143
160.14	23.291	36.135
160.24	23.294	36.128
160.34	23.295	36.123
160.44	23.297	36.118
160.54		36.113
160.64	23.298	36.109
160.74		36.106
160.84		36.103
160.94	23.297	36.101
161.		36.099
161.01		
161.02		
161.05	23.296	36.098
161.14	23.295	36.096
161.24	23.294	36.094
161.34	23.293	36.092
161.44	23.291	36.09
161.54	23.29	36.088
161.64	23.288	36.086
161.74	23.286	36.084
161.84	23.284	36.082
161.94	23.282	36.08
162.	23.281	36.078
162.01		
162.02		
162.05	23.28	36.077
162.14	23.278	36.075
162.24	23.276	36.073
162.34	23.274	36.071
162.44	23.271	36.069
162.54	23.269	36.067
162.64	23.267	36.065
162.74	23.265	36.063
162.84	23.263	36.061
162.94	23.26	36.059
163.	23.259	36.058
163.01		
163.02	23.258	36.057
163.05		

163.14	23.256	36.055
163.24	23.254	36.053
163.34	23.251	36.051
163.44	23.249	36.049
163.54	23.247	36.047
163.64	23.245	36.045
163.74	23.242	36.043
163.84	23.24	36.041
163.94	23.238	36.039
164.	23.237	36.038
164.01		
164.02	23.236	36.037
164.05		
164.14	23.234	36.035
164.24	23.232	36.033
164.34	23.23	36.031
164.44	23.228	36.029
164.54	23.226	36.027
164.64	23.224	36.025
164.74	23.222	36.023
164.84	23.22	36.022
164.94	23.218	36.02
165.	23.217	36.018
165.01	23.216	
165.02		
165.05		
165.14	23.214	36.016
165.24	23.212	36.014
165.34	23.21	36.012
165.44	23.208	36.01
165.54	23.207	36.008
165.64	23.205	36.006
165.74	23.203	36.005
165.84	23.201	36.003
165.94	23.2	36.001
166.	23.199	36.
166.01	23.198	35.999
166.02		
166.05		
166.14	23.196	35.997
166.24	23.195	35.995
166.34	23.193	35.993
166.44	23.191	35.992
166.54	23.19	35.99
166.64	23.188	35.988
166.74	23.186	35.986
166.84	23.185	35.984
166.94	23.183	35.982
167.	23.182	35.981
167.01		
167.02		
167.05		35.98
167.14	23.18	35.979
167.24	23.179	35.977
167.34	23.177	35.975
167.44	23.176	35.973
167.54	23.175	35.972
167.64	23.173	35.97
167.74	23.172	35.968
167.84	23.17	35.966
167.94	23.169	35.965
168.	23.168	35.964
168.01		35.963
168.02		
168.05		
168.14	23.166	35.961

168.24	23.165	35.959
168.34	23.164	35.958
168.44	23.163	35.956
168.54	23.161	35.954
168.64	23.16	35.952
168.74	23.159	35.951
168.84	23.158	35.949
168.94	23.156	35.947
169.		35.946
169.01		
169.02	23.155	
169.03		
169.06		35.945
169.11	23.154	35.969
169.2		36.054
169.3	23.153	36.16
169.4	23.154	36.283
169.5	23.155	36.422
169.6	23.156	36.574
169.7	23.159	36.738
169.8	23.163	36.914
169.9	23.168	37.232
170.	23.174	38.108
170.01	23.175	38.194
170.02		38.276
170.05	23.178	38.49
170.14	23.185	38.914
170.24	23.194	39.184
170.34	23.205	39.295
170.44	23.216	39.275
170.54	23.228	39.143
170.64	23.24	38.913
170.74	23.253	38.596
170.84	23.265	38.198
170.94	23.277	37.737
171.	23.284	37.42
171.01	23.285	37.371
171.02	23.287	37.323
171.05	23.29	37.192
171.14	23.3	36.876
171.24	23.31	36.821
171.34	23.32	36.784
171.44	23.328	36.753
171.54	23.336	36.727
171.64	23.343	36.706
171.74	23.348	36.689
171.84	23.353	36.674
171.94	23.357	36.662
172.	23.359	36.655
172.01	23.36	36.654
172.02		36.653
172.05	23.361	36.651
172.14	23.363	36.643
172.24	23.365	36.636
172.34	23.367	36.63
172.44		36.625
172.54	23.368	36.62
172.64		36.616
172.74	23.367	36.612
172.84		36.61
172.94	23.365	36.607
173.		36.605
173.01		
173.02		36.604
173.05	23.364	
173.14	23.363	36.601

173.24	23.361	36.599
173.34	23.359	36.596
173.44	23.357	36.594
173.54	23.355	36.591
173.64	23.353	36.589
173.74	23.35	36.587
173.84	23.348	36.584
173.94	23.345	36.582
174.	23.344	36.58
174.01	23.343	
174.02		
174.05	23.342	36.579
174.14	23.34	36.577
174.24	23.337	36.575
174.34	23.335	36.572
174.44	23.332	36.57
174.54	23.329	36.568
174.64	23.326	36.565
174.74	23.324	36.563
174.84	23.321	36.561
174.94	23.318	36.558
175.	23.316	36.557
175.01		
175.02		36.556
175.03		
175.06	23.315	
175.12	23.313	36.591
175.17	23.312	36.636
175.25	23.31	36.716
175.35	23.309	36.832
175.45	23.308	36.963
175.55	23.307	37.109
175.65	23.308	37.267
175.75	23.31	37.454
175.85	23.313	38.272
175.95	23.317	39.144
176.	23.319	39.554
176.01	23.32	39.64
176.02		39.721
176.05	23.322	39.931
176.14	23.328	40.345
176.24	23.336	40.603
176.34	23.345	40.702
176.44	23.355	40.669
176.54	23.365	40.525
176.64	23.376	40.282
176.74	23.387	39.951
176.84	23.398	39.54
176.94	23.409	39.066
177.	23.415	38.741
177.01	23.417	38.69
177.02	23.418	38.641
177.05	23.421	38.506
177.14	23.429	38.179
177.24	23.438	37.88
177.34	23.447	37.627
177.44	23.454	37.408
177.54	23.46	37.328
177.64	23.466	37.307
177.74	23.47	37.289
177.84	23.474	37.274
177.94	23.477	37.261
178.	23.478	37.254
178.01	23.479	37.253
178.02		37.252
178.05	23.48	37.249

178.14	23.481	37.241
178.24	23.482	37.234
178.34		37.227
178.44		37.221
178.54	23.481	37.216
178.64	23.48	37.211
178.74	23.478	37.207
178.84	23.477	37.203
178.94	23.475	37.2
179.	23.473	37.198
179.01		
179.02		37.197
179.05	23.472	37.196
179.14	23.47	37.193
179.24	23.467	37.19
179.34	23.464	37.187
179.44	23.461	37.184
179.54	23.458	37.182
179.64	23.455	37.179
179.74	23.452	37.176
179.84	23.448	37.173
179.94	23.445	37.17
180.	23.443	37.169
180.01	23.442	37.168
180.02		
180.04	23.441	
180.07	23.44	37.176
180.14	23.438	37.224
180.21	23.436	37.281
180.27	23.434	37.347
180.37	23.432	37.464
180.47	23.43	37.598
180.57	23.429	37.745
180.67		38.102
180.77	23.43	38.859
180.87	23.432	39.673
180.94	23.434	40.219
181.	23.437	40.788
181.01		40.872
181.02		40.952
181.05	23.439	41.158
181.14	23.444	41.562
181.24	23.451	41.809
181.34	23.459	41.897
181.44	23.468	41.854
181.54	23.477	41.7
181.64	23.487	41.448
181.74	23.497	41.108
181.84	23.507	40.689
181.94	23.517	40.205
182.	23.523	39.877
182.01	23.524	39.825
182.02	23.525	39.775
182.05	23.528	39.638
182.14	23.536	39.304
182.24	23.544	38.997
182.34	23.551	38.736
182.44	23.557	38.508
182.54	23.563	38.307
182.64	23.568	38.127
182.74	23.571	37.963
182.84	23.574	37.872
182.94	23.576	37.859
183.	23.577	37.852
183.01		37.851
183.02		37.85

183.05	23.578	37.846
183.14		37.838
183.24		37.83
183.34		37.823
183.44	23.577	37.817
183.54	23.575	37.811
183.64	23.573	37.806
183.74	23.571	37.801
183.84	23.569	37.797
183.94	23.566	37.793
184.	23.564	37.791
184.01		
184.02	23.563	37.79
184.05	23.562	37.789
184.14	23.56	37.786
184.24	23.556	37.782
184.34	23.553	37.779
184.44	23.549	37.776
184.54	23.545	37.772
184.64	23.541	37.769
184.74	23.537	37.766
184.84	23.533	37.762
184.94	23.529	37.759
185.	23.527	37.757
185.01	23.526	
185.02		
185.05	23.525	37.756
185.14	23.521	37.753
185.24	23.517	37.75
185.34	23.513	37.747
185.44	23.508	37.743
185.54	23.504	37.74
185.64	23.5	37.737
185.74	23.496	37.734
185.84	23.492	37.731
185.94	23.488	37.728
186.	23.485	37.726
186.01		
186.02		
186.05	23.483	37.725
186.14	23.48	37.722
186.24	23.476	37.719
186.34	23.472	37.716
186.44	23.468	37.713
186.54	23.464	37.71
186.64	23.46	37.707
186.74	23.456	37.704
186.84	23.453	37.702
186.94	23.449	37.699
187.	23.447	37.697
187.01	23.446	
187.02		37.696
187.05	23.445	37.695
187.14	23.441	37.693
187.24	23.438	37.69
187.34	23.434	37.687
187.44	23.431	37.684
187.54	23.427	37.682
187.64	23.424	37.679
187.74	23.421	37.676
187.84	23.417	37.673
187.94	23.414	37.671
188.	23.412	37.669
188.01		
188.02	23.411	37.668
188.03		

188.06	23.41	37.667
188.12	23.408	37.707
188.19	23.406	37.756
188.27	23.404	37.845
188.37	23.402	37.963
188.47	23.401	38.097
188.57	23.4	38.245
188.67	23.401	38.405
188.77	23.402	38.833
188.87	23.405	39.661
188.94	23.408	40.206
189.	23.41	40.772
189.01	23.411	40.857
189.02		40.938
189.05	23.413	41.148
189.14	23.419	41.56
189.24	23.426	41.817
189.34	23.435	41.915
189.44	23.444	41.881
189.54	23.454	41.735
189.64	23.465	41.491
189.74	23.476	41.158
189.84	23.487	40.746
189.94	23.497	40.273
190.	23.504	39.945
190.01	23.505	39.894
190.02	23.506	39.845
190.05	23.509	39.709
190.14	23.517	39.381
190.24	23.526	39.08
190.34	23.534	38.825
190.44	23.541	38.604
190.54	23.547	38.427
190.64	23.553	38.405
190.74	23.557	38.386
190.84	23.561	38.371
190.94	23.563	38.358
191.	23.565	38.351
191.01		38.35
191.02		38.349
191.05	23.566	38.346
191.14	23.567	38.338
191.24		38.33
191.34		38.323
191.44		38.317
191.54	23.566	38.312
191.64	23.565	38.307
191.74	23.563	38.302
191.84	23.561	38.298
191.94	23.559	38.295
192.	23.558	38.293
192.01	23.557	38.292
192.02		
192.05	23.556	38.291
192.14	23.554	38.288
192.24	23.551	38.284
192.34	23.548	38.281
192.44	23.545	38.278
192.54	23.542	38.275
192.64	23.538	38.271
192.74	23.535	38.268
192.84	23.531	38.265
192.94	23.528	38.262
193.	23.526	38.26
193.01	23.525	
193.02		

193.05	23.524	38.259
193.14	23.521	38.256
193.24	23.517	38.253
193.34	23.513	38.25
193.44	23.51	38.247
193.54	23.506	38.244
193.64	23.502	38.241
193.74	23.499	38.238
193.84	23.495	38.235
193.94	23.491	38.232
194.	23.489	38.23
194.01		
194.02	23.488	38.229
194.05	23.487	38.228
194.14	23.484	38.226
194.24	23.481	38.223
194.34	23.477	38.22
194.44	23.473	38.217
194.54	23.47	38.214
194.64	23.467	38.211
194.74	23.463	38.208
194.84	23.46	38.206
194.94	23.456	38.203
195.	23.454	38.201
195.01		
195.02		
195.05	23.453	38.2
195.14	23.45	38.197
195.24	23.447	38.194
195.34	23.443	38.192
195.44	23.44	38.189
195.54	23.437	38.186
195.64	23.434	38.183
195.74	23.431	38.181
195.84	23.428	38.178
195.94	23.425	38.175
196.	23.423	38.174
196.01		38.173
196.02		
196.05	23.422	38.172
196.14	23.419	38.17
196.24	23.416	38.167
196.34	23.413	38.165
196.44	23.411	38.162
196.54	23.408	38.159
196.64	23.405	38.157
196.74	23.403	38.154
196.84	23.4	38.152
196.94	23.397	38.149
197.	23.396	38.148
197.01	23.395	38.147
197.02		
197.05	23.394	38.146
197.14	23.392	38.144
197.24	23.39	38.141
197.34	23.387	38.139
197.44	23.385	38.136
197.54	23.382	38.134
197.64	23.38	38.131
197.74	23.378	38.129
197.84	23.375	38.127
197.94	23.373	38.124
198.	23.372	38.123
198.01	23.371	38.122
198.02		
198.03		

198.06	23.37	38.121
198.12	23.369	38.156
198.18	23.368	38.203
198.26	23.367	38.289
198.36	23.366	38.408
198.46	23.365	38.544
198.56	23.366	38.693
198.66	23.367	38.856
198.76	23.369	39.031
198.86	23.373	39.514
198.96	23.378	40.415
199.	23.38	40.776
199.01	23.381	40.866
199.02	23.382	40.954
199.05	23.383	41.205
199.14	23.39	41.866
199.24	23.4	42.522
199.34	23.41	43.118
199.44	23.423	43.67
199.54	23.436	44.184
199.64	23.451	44.669
199.74	23.468	45.128
199.84	23.485	45.566
199.94	23.504	45.984
200.	23.515	46.228
200.01	23.517	46.269
200.02	23.519	46.309
200.05	23.525	46.429
200.14	23.543	46.774
200.24	23.564	47.145
200.34	23.586	47.502
200.44	23.608	47.848
200.54	23.631	48.183
200.64	23.654	48.509
200.74	23.677	48.826
200.84	23.701	49.134
200.94	23.724	49.435
201.	23.739	49.612
201.01	23.741	49.642
201.02	23.743	49.671
201.05	23.751	49.759
201.14	23.772	50.018
201.24	23.796	50.299
201.34	23.82	50.574
201.44	23.845	50.844
201.54	23.869	51.108
201.64	23.893	51.368
201.74	23.917	51.624
201.84	23.94	51.875
201.94	23.964	52.121
202.	23.978	52.268
202.01	23.981	52.29
202.02	23.983	52.309
202.05	23.99	52.348
202.14	24.011	52.328
202.24	24.034	52.176
202.34	24.056	51.915
202.44	24.077	51.561
202.54	24.097	51.126
202.64	24.117	50.617
202.74	24.135	50.04
202.84	24.151	49.401
202.94	24.167	48.702
203.	24.175	48.263
203.01	24.176	48.192
203.02	24.178	48.122

	24.182	47.928
203.14	24.192	47.436
203.24	24.203	46.966
203.34	24.211	46.554
203.44	24.218	46.184
203.54	24.223	45.85
203.64	24.227	45.544
203.74	24.229	45.261
203.84	24.23	44.999
203.94		44.755
204.	24.229	44.614
204.01		44.591
204.02		44.567
204.05	24.228	44.499
204.14	24.226	44.306
204.24	24.223	44.103
204.34	24.218	43.911
204.44	24.214	43.729
204.54	24.208	43.556
204.64	24.202	43.391
204.74	24.195	43.233
204.84	24.188	43.082
204.94	24.181	42.937
205.	24.177	42.853
205.01	24.176	42.838
205.02	24.175	42.824
205.05	24.173	42.783
205.14	24.166	42.663
205.24	24.157	42.534
205.34	24.149	42.41
205.44	24.141	42.291
205.54	24.132	42.175
205.64	24.123	42.063
205.74	24.115	41.955
205.84	24.106	41.85
205.94	24.097	41.748
206.	24.092	41.688
206.01	24.091	41.678
206.02	24.09	41.668
206.05	24.087	41.639
206.14	24.079	41.552
206.24	24.071	41.459
206.34	24.062	41.368
206.44	24.053	41.28
206.54	24.045	41.194
206.64	24.036	41.11
206.74	24.027	41.028
206.84	24.019	40.948
206.94	24.01	40.87
207.	24.005	40.824
207.01		40.819
207.02	24.004	40.817
207.05	24.001	40.828
207.11	23.996	40.917
207.21	23.989	41.203
207.31	23.982	41.586
207.4	23.975	42.061
207.5	23.97	42.635
207.6	23.965	43.285
207.7	23.961	44.003
207.8	23.958	44.786
207.9	23.957	45.627
208.		46.488
208.01		46.576
208.02	23.958	46.661
208.05		46.903

208.14	23.96	47.537
208.24	23.964	48.161
208.34	23.97	48.725
208.44	23.977	49.244
208.54	23.986	49.725
208.64	23.996	50.177
208.74	24.008	50.603
208.84	24.021	51.006
208.94	24.035	51.391
209.	24.043	51.615
209.01	24.045	51.65
209.02	24.046	51.682
209.05	24.051	51.757
209.14	24.065	51.837
209.24	24.081	51.785
209.34	24.098	51.614
209.44	24.114	51.343
209.54	24.13	50.982
209.64	24.146	50.54
209.74	24.161	50.025
209.84	24.175	49.441
209.94	24.188	48.793
210.	24.195	48.383
210.01	24.196	48.319
210.02	24.198	48.259
210.05	24.201	48.113
210.14	24.211	47.897
210.24	24.22	47.86
210.34	24.229	47.982
210.44	24.237	48.236
210.54	24.244	48.601
210.64	24.251	49.064
210.74	24.258	49.614
210.84	24.264	50.243
210.94	24.271	50.944
211.	24.275	51.389
211.01	24.276	51.461
211.02	24.277	51.532
211.05	24.279	51.73
211.14	24.286	52.243
211.24	24.294	52.743
211.34	24.303	53.192
211.44	24.313	53.604
211.54	24.324	53.986
211.64	24.335	54.345
211.74	24.348	54.683
211.84	24.361	55.005
211.94	24.375	55.313
212.	24.383	55.492
212.01	24.385	55.522
212.02	24.386	55.552
212.05	24.39	55.64
212.14	24.404	55.896
212.24	24.42	56.171
212.34	24.436	56.438
212.44	24.452	56.697
212.54	24.469	56.949
212.64	24.486	57.195
212.74	24.503	57.435
212.84	24.521	57.67
212.94	24.538	57.899
213.	24.549	58.035
213.01	24.551	58.058
213.02	24.553	58.08
213.05	24.558	58.148
213.14	24.574	58.345

	24.592	58.561
213.34	24.61	58.772
213.44	24.628	58.979
213.54	24.645	59.182
213.64	24.663	59.383
213.74	24.681	59.58
213.84	24.699	59.774
213.94	24.717	59.965
214.	24.727	60.078
214.01	24.729	60.097
214.02	24.731	60.116
214.05	24.736	60.174
214.14	24.752	60.35
214.24	24.769	60.548
214.34	24.787	60.748
214.44	24.804	60.949
214.54	24.821	61.151
214.64	24.838	61.353
214.74	24.855	61.556
214.84	24.872	61.759
214.94	24.889	61.963
215.	24.899	62.085
215.01	24.901	62.105
215.02	24.903	62.125
215.05	24.908	62.185
215.14	24.923	62.359
215.24	24.939	62.547
215.34	24.956	62.731
215.44	24.972	62.911
215.54	24.989	63.088
215.64	25.005	63.262
215.74	25.021	63.434
215.84	25.037	63.603
215.94	25.053	63.77
216.	25.063	63.869
216.01	25.064	63.885
216.02	25.066	63.902
216.05	25.071	63.949
216.14	25.085	64.085
216.24	25.101	64.227
216.34	25.116	64.363
216.44	25.132	64.493
216.54	25.147	64.617
216.64	25.162	64.737
216.74	25.177	64.851
216.84	25.191	64.962
216.94	25.206	65.068
217.	25.215	65.131
217.01	25.216	65.141
217.02	25.218	65.152
217.05	25.222	65.186
217.14	25.235	65.296
217.24	25.249	65.426
217.34	25.262	65.562
217.44	25.276	65.703
217.54	25.29	65.848
217.64	25.303	65.996
217.74	25.316	66.147
217.84	25.329	66.301
217.94	25.342	66.456
218.	25.35	66.551
218.01	25.351	66.566
218.02	25.353	66.582
218.05	25.357	66.628
218.14	25.368	66.763
218.24	25.381	66.909

	25.393	67.053
218.44	25.406	67.195
218.54	25.419	67.336
218.64	25.431	67.475
218.74	25.443	67.612
218.84	25.456	67.749
218.94	25.468	67.884
219.	25.475	67.965
219.01	25.476	67.976
219.02	25.478	67.984
219.05	25.481	67.989
219.14	25.492	67.862
219.24	25.503	67.586
219.34	25.514	67.199
219.44	25.524	66.718
219.54	25.534	66.152
219.64	25.542	65.512
219.74	25.549	64.803
219.84	25.555	64.03
219.94	25.56	63.198
220.		62.678
220.01	25.562	62.596
220.02		62.518
220.05	25.563	62.322
220.14	25.564	61.966
220.24	25.565	61.79
220.34	25.564	61.785
220.44	25.562	61.922
220.54	25.56	62.179
220.64	25.556	62.543
220.74	25.553	63.001
220.84	25.549	63.546
220.94	25.546	64.169
221.		64.57
221.01	25.544	64.635
221.02		64.698
221.05	25.543	64.873
221.14	25.541	65.317
221.24		65.739
221.34	25.539	66.111
221.44		66.447
221.54	25.54	66.754
221.64	25.542	67.04
221.74	25.545	67.306
221.84	25.549	67.558
221.94	25.554	67.797
222.	25.557	67.935
222.01	25.558	67.958
222.02	25.559	67.981
222.05	25.56	68.047
222.14	25.566	68.231
222.24	25.573	68.421
222.34	25.58	68.598
222.44	25.588	68.764
222.54	25.597	68.921
222.64	25.606	69.068
222.74	25.615	69.208
222.84	25.624	69.34
222.94	25.634	69.465
223.	25.64	69.538
223.01	25.641	69.55
223.02	25.642	69.562
223.05	25.645	69.599
223.14	25.653	69.71
223.24	25.663	69.834
223.34	25.673	69.957

223.44	25.684	70.079
223.54	25.694	70.2
223.64	25.704	70.319
223.74	25.714	70.437
223.84	25.724	70.554
223.94	25.734	70.669
224.	25.74	70.738
224.01	25.741	70.749
224.02	25.742	70.761
224.05	25.745	70.796
224.14	25.755	70.908
224.24	25.765	71.035
224.34	25.775	71.166
224.44	25.785	71.3
224.54	25.795	71.435
224.64	25.804	71.573
224.74	25.814	71.712
224.84	25.824	71.853
224.94	25.834	71.995
225.	25.84	72.081
225.01	25.841	72.095
225.02	25.842	72.109
225.05	25.845	72.15
225.14	25.854	72.268
225.24	25.864	72.395
225.34	25.874	72.516
225.44	25.884	72.635
225.54	25.893	72.75
225.64	25.903	72.863
225.74	25.913	72.973
225.84	25.923	73.081
225.94	25.933	73.188
226.	25.938	73.25
226.01	25.939	73.263
226.02	25.94	73.279
226.05	25.943	73.342
226.14	25.952	73.659
226.24	25.963	74.131
226.34	25.973	74.702
226.44	25.984	75.356
226.54	25.996	76.085
226.64	26.008	76.879
226.74	26.022	77.734
226.84	26.036	78.645
226.94	26.052	79.608
227.	26.062	80.204
227.01	26.063	80.301
227.02	26.065	80.397
227.05	26.07	80.669
227.14	26.087	81.399
227.24	26.106	82.131
227.34	26.127	82.807
227.44	26.149	83.437
227.54	26.172	84.03
227.64	26.197	84.594
227.74	26.223	85.132
227.84	26.249	85.647
227.94	26.277	86.143
228.	26.294	86.434
228.01	26.297	86.483
228.02	26.3	86.531
228.05	26.308	86.673
228.14	26.334	87.088
228.24	26.364	87.533
228.34	26.395	87.965
228.44	26.425	88.384

	26.456	88.792
228.64	26.488	89.189
228.74	26.519	89.576
228.84	26.551	89.955
228.94	26.583	90.324
229.	26.602	90.543
229.01	26.605	90.577
229.02	26.608	90.609
229.05	26.618	90.685
229.14	26.646	90.784
229.24	26.677	90.767
229.34	26.708	90.646
229.44	26.738	90.435
229.54	26.767	90.144
229.64	26.796	89.781
229.74	26.823	89.353
229.84	26.849	88.864
229.94	26.873	88.317
230.	26.887	87.969
230.01	26.89	87.913
230.02	26.892	87.858
230.05	26.899	87.709
230.14	26.918	87.343
230.24	26.938	87.008
230.34	26.956	86.725
230.44	26.973	86.482
230.54	26.988	86.27
230.64	27.001	86.083
230.74	27.014	85.918
230.84	27.024	85.77
230.94	27.034	85.638
231.	27.039	85.564
231.01	27.04	85.554
231.02	27.041	85.547
231.05	27.043	85.546
231.14	27.05	85.687
231.24	27.057	85.982
231.34	27.064	86.392
231.44	27.07	86.9
231.54	27.077	87.494
231.64	27.084	88.166
231.74	27.091	88.91
231.84	27.099	89.718
231.94	27.108	90.588
232.	27.113	91.131
232.01	27.114	91.217
232.02	27.115	91.299
232.05	27.118	91.51
232.14	27.128	91.922
232.24	27.139	92.175
232.34	27.152	92.266
232.44	27.164	92.224
232.54	27.178	92.069
232.64	27.192	91.815
232.74	27.206	91.472
232.84	27.219	91.049
232.94	27.233	90.553
233.	27.241	90.23
233.01	27.242	90.183
233.02	27.243	90.142
233.05	27.247	90.068
233.14	27.259	90.172
233.24	27.271	90.592
233.34	27.284	91.256
233.44	27.296	92.12
233.54	27.309	93.159

	27.323	94.35
233.74	27.337	95.679
233.84	27.353	97.133
233.94	27.37	98.704
234.	27.381	99.687
234.01	27.383	99.842
234.02	27.385	99.99
234.05	27.39	100.37
234.14	27.409	101.1
234.24	27.43	101.54
234.34	27.453	101.68
234.44	27.477	101.57
234.54	27.502	101.26
234.64	27.528	100.76
234.74	27.553	100.1
234.84	27.578	99.295
234.94	27.603	98.351
235.	27.617	97.738
235.01	27.619	97.641
235.02	27.622	97.55
235.05	27.628	97.319
235.14	27.648	96.895
235.24	27.669	96.666
235.34	27.689	96.621
235.44	27.707	96.724
235.54	27.724	96.948
235.64	27.74	97.277
235.74	27.755	97.698
235.84	27.77	98.201
235.94	27.783	98.778
236.	27.791	99.15
236.01	27.793	99.21
236.02	27.794	99.269
236.05	27.798	99.434
236.14	27.81	99.861
236.24	27.824	100.28
236.34	27.837	100.66
236.44	27.851	101.01
236.54	27.865	101.34
236.64	27.88	101.65
236.74	27.894	101.94
236.84	27.91	102.22
236.94	27.926	102.5
237.	27.935	102.66
237.01	27.937	102.68
237.02	27.938	102.71
237.05	27.943	102.79
237.14	27.958	103.02
237.24	27.975	103.26
237.34	27.991	103.5
237.44	28.009	103.73
237.54	28.026	103.96
237.64	28.043	104.18
237.74	28.061	104.39
237.84	28.078	104.6
237.94	28.096	104.81
238.	28.106	104.93
238.01	28.108	104.95
238.02	28.11	104.97
238.05	28.115	105.
238.14	28.131	104.97
238.24	28.148	104.83
238.34	28.165	104.59
238.44	28.181	104.27
238.54	28.196	103.88
238.64	28.211	103.43

	28.225	102.91
238.84	28.238	102.35
238.94	28.249	101.73
239.	28.255	101.34
239.01	28.256	101.28
239.02	28.257	101.21
239.05	28.26	101.04
239.14	28.268	100.61
239.24	28.276	100.19
239.34	28.282	99.821
239.44	28.286	99.492
239.54	28.29	99.193
239.64	28.292	98.918
239.74	28.293	98.665
239.84	28.292	98.43
239.94	28.291	98.21
240.	28.29	98.083
240.01		98.064
240.02	28.289	98.047
240.05		98.016
240.14	28.286	98.044
240.24	28.283	98.198
240.34	28.279	98.451
240.44	28.275	98.79
240.54	28.271	99.205
240.64	28.268	99.689
240.74	28.265	100.23
240.84	28.262	100.84
240.94	28.261	101.49
241.	28.26	101.91
241.01		101.97
241.02		102.04
241.05		102.22
241.14		102.7
241.24	28.262	103.16
241.34	28.265	103.57
241.44	28.268	103.94
241.54	28.273	104.29
241.64	28.279	104.61
241.74	28.286	104.91
241.84	28.294	105.19
241.94	28.302	105.46
242.	28.308	105.61
242.01	28.309	105.64
242.02	28.31	105.66
242.05	28.313	105.74
242.14	28.322	105.96
242.24	28.333	106.19
242.34	28.344	106.42
242.44	28.356	106.64
242.54	28.369	106.85
242.64	28.381	107.05
242.74	28.394	107.25
242.84	28.408	107.44
242.94	28.421	107.63
243.	28.429	107.74
243.01	28.431	107.76
243.02	28.432	107.78
243.05	28.436	107.83
243.14	28.449	107.99
243.24	28.462	108.16
243.34	28.476	108.33
243.44	28.491	108.5
243.54	28.505	108.66
243.64	28.519	108.81
243.74	28.533	108.97

243.84	28.547	109.12
243.94	28.561	109.27
244.	28.569	109.36
244.01	28.571	109.37
244.02	28.572	109.39
244.05	28.576	109.43
244.14	28.589	109.56
244.24	28.603	109.69
244.34	28.616	109.83
244.44	28.63	109.96
244.54	28.644	110.09
244.64	28.657	110.22
244.74	28.67	110.34
244.84	28.684	110.47
244.94	28.697	110.58
245.	28.705	110.66
245.01	28.706	110.67
245.02	28.707	
245.05	28.711	110.68
245.14	28.723	110.6
245.24	28.735	110.4
245.34	28.747	110.12
245.44	28.758	109.76
245.54	28.768	109.34
245.64	28.778	108.86
245.74	28.787	108.33
245.84	28.795	107.75
245.94	28.801	107.12
246.	28.805	106.73
246.01		106.66
246.02	28.806	106.6
246.05	28.808	106.42
246.14	28.811	105.97
246.24	28.814	105.53
246.34	28.816	105.14
246.44		104.78
246.54	28.815	104.46
246.64	28.813	104.15
246.74	28.81	103.87
246.84	28.806	103.6
246.94	28.801	103.35
247.	28.797	103.2
247.01		103.18
247.02	28.796	103.16
247.05	28.794	103.12
247.14	28.788	103.09
247.24	28.781	103.17
247.34	28.774	103.34
247.44	28.767	103.59
247.54	28.759	103.9
247.64	28.752	104.28
247.74	28.746	104.71
247.84	28.739	105.19
247.94	28.734	105.72
248.	28.731	106.05
248.01		106.1
248.02	28.73	106.15
248.05	28.729	106.27
248.14	28.725	106.46
248.24	28.722	106.51
248.34	28.72	106.44
248.44	28.718	106.27
248.54	28.716	106.
248.64	28.715	105.66
248.74	28.714	105.26
248.84	28.713	104.79

248.94	28.712	104.26
249.	28.711	103.93
249.01		103.87
249.02		103.82
249.05	28.71	103.67
249.14	28.709	103.3
249.24	28.706	102.93
249.34	28.703	102.61
249.44	28.7	102.32
249.54	28.695	102.05
249.64	28.69	101.8
249.74	28.685	101.57
249.84	28.678	101.35
249.94	28.671	101.14
250.	28.667	101.02
250.01	28.666	101.
250.02		100.98
250.05	28.663	100.92
250.14	28.656	100.74
250.24	28.648	100.56
250.34	28.639	100.38
250.44	28.63	100.21
250.54	28.621	100.04
250.64	28.611	99.874
250.74	28.601	99.714
250.84	28.591	99.559
250.94	28.581	99.406
251.	28.575	99.316
251.01	28.574	99.301
251.02	28.573	99.287
251.05	28.57	99.244
251.14	28.561	99.125
251.24	28.551	99.002
251.34	28.54	98.888
251.44	28.53	98.781
251.54	28.52	98.68
251.64	28.509	98.584
251.74	28.499	98.495
251.84	28.489	98.41
251.94	28.479	98.33
252.	28.473	98.283
252.01	28.472	98.276
252.02	28.471	98.268
252.05	28.468	98.244
252.14	28.459	98.17
252.24	28.45	98.086
252.34	28.44	98.001
252.44	28.431	97.916
252.54	28.421	97.832
252.64	28.412	97.747
252.74	28.403	97.663
252.84	28.395	97.58
252.94	28.386	97.497
253.	28.381	97.447
253.01	28.38	97.439
253.02	28.379	97.431
253.05	28.377	97.406
253.14	28.369	97.333
253.24	28.361	97.253
253.34	28.353	97.174
253.44	28.345	97.096
253.54	28.337	97.018
253.64	28.329	96.942
253.74	28.322	96.866
253.84	28.314	96.79
253.94	28.307	96.716

254.	28.302	96.672
254.01		96.666
254.02	28.301	96.662
254.05	28.299	96.664
254.14	28.292	96.762
254.24	28.286	96.961
254.34	28.28	97.233
254.44	28.274	97.569
254.54	28.269	97.959
254.64	28.264	98.4
254.74	28.261	98.885
254.84	28.258	99.413
254.94	28.256	99.981
255.	28.255	100.34
255.01		100.39
255.02		100.44
255.05		100.58
255.14		100.82
255.24	28.256	100.95
255.34	28.258	
255.44	28.26	100.87
255.54	28.263	100.7
255.64	28.266	100.45
255.74	28.27	100.15
255.84	28.274	99.786
255.94	28.277	99.37
256.	28.279	99.102
256.01	28.28	99.059
256.02		99.017
256.05	28.281	98.901
256.14	28.284	98.617
256.24	28.286	98.355
256.34	28.289	98.13
256.44	28.29	97.934
256.54	28.291	97.761
256.64	28.292	97.606
256.74		97.466
256.84	28.291	97.339
256.94	28.29	97.222
257.	28.289	97.156
257.01		97.146
257.02	28.288	97.135
257.05		97.102
257.14	28.286	97.008
257.24	28.284	96.907
257.34	28.281	96.81
257.44	28.278	96.716
257.54	28.274	96.626
257.64	28.271	96.54
257.74	28.267	96.456
257.84	28.263	96.375
257.94	28.259	96.297
258.	28.257	96.251
258.01		96.245
258.02	28.256	96.24
258.05	28.255	96.241
258.14	28.251	96.335
258.24	28.248	96.528
258.34	28.244	96.795
258.44	28.241	97.124
258.54	28.238	97.508
258.64	28.236	97.942
258.74	28.234	98.422
258.84		98.943
258.94		99.504
259.		99.854

259.01		99.911
259.02		99.967
259.05	28.235	100.12
259.14	28.236	100.53
259.24	28.239	100.94
259.34	28.243	101.3
259.44	28.248	101.64
259.54	28.254	101.95
259.64	28.261	102.24
259.74	28.269	102.51
259.84	28.278	102.77
259.94	28.287	103.02
260.	28.293	103.16
260.01	28.294	103.19
260.02	28.295	103.21
260.05	28.298	103.28
260.14	28.308	103.48
260.24	28.32	103.7
260.34	28.331	103.91
260.44	28.344	104.11
260.54	28.356	104.31
260.64	28.369	104.5
260.74	28.383	104.68
260.84	28.396	104.86
260.94	28.41	105.04
261.	28.418	105.14
261.01	28.42	105.16
261.02	28.421	105.17
261.05	28.425	105.2
261.14	28.438	105.19
261.24	28.451	105.09
261.34	28.465	104.91
261.44	28.478	104.67
261.54	28.491	104.38
261.64	28.503	104.03
261.74	28.514	103.64
261.84	28.525	103.2
261.94	28.535	102.72
262.	28.54	102.42
262.01	28.541	102.37
262.02	28.542	102.33
262.05	28.545	102.22
262.14	28.552	102.05
262.24	28.56	101.99
262.34	28.566	102.05
262.44	28.572	102.2
262.54	28.578	102.43
262.64	28.583	102.73
262.74	28.587	103.09
262.84	28.592	103.5
262.94	28.597	103.96
263.	28.599	104.26
263.01	28.6	104.3
263.02		104.35
263.05	28.602	104.45
263.14	28.606	104.62
263.24	28.612	104.67
263.34	28.617	104.6
263.44	28.622	104.45
263.54	28.628	104.22
263.64	28.633	103.93
263.74	28.638	103.58
263.84	28.644	103.17
263.94	28.648	102.71
264.	28.651	102.42
264.01		102.37

264.02	28.652	102.33
264.05	28.653	102.2
264.14	28.656	101.89
264.24	28.659	101.61
264.34	28.662	101.36
264.44	28.663	101.16
264.54	28.664	100.97
264.64	28.665	100.81
264.74	28.664	100.67
264.84	28.663	100.55
264.94	28.662	100.44
265.	28.661	100.37
265.01		100.36
265.02	28.66	100.35
265.05		100.32
265.14	28.658	100.24
265.24	28.655	100.16
265.34	28.652	100.09
265.44	28.648	100.03
265.54	28.645	99.975
265.64	28.641	99.927
265.74	28.637	99.885
265.84	28.634	99.85
265.94	28.63	99.821
266.	28.627	99.806
266.01		99.803
266.02		99.801
266.05	28.625	99.791
266.14	28.622	99.758
266.24	28.618	99.716
266.34	28.614	99.67
266.44	28.61	99.622
266.54	28.607	99.572
266.64	28.603	99.52
266.74	28.599	99.467
266.84	28.596	99.412
266.94	28.592	99.356
267.	28.59	99.322
267.01		99.318
267.02		99.316
267.05	28.589	99.324
267.14	28.586	99.445
267.24	28.583	99.671
267.34	28.58	99.974
267.44	28.578	100.34
267.54	28.577	100.76
267.64	28.576	101.24
267.74		101.76
267.84		102.32
267.94	28.578	102.92
268.	28.579	103.3
268.01		103.36
268.02	28.58	103.42
268.05		103.59
268.14	28.584	104.03
268.24	28.588	104.46
268.34	28.594	104.85
268.44	28.6	105.21
268.54	28.608	105.55
268.64	28.616	105.86
268.74	28.626	106.15
268.84	28.636	106.43
268.94	28.647	106.69
269.	28.654	106.85
269.01	28.655	106.87
269.02	28.657	106.9

269.05	28.66	106.97
269.14	28.671	107.19
269.24	28.684	107.42
269.34	28.698	107.65
269.44	28.712	107.86
269.54	28.726	108.07
269.64	28.74	108.28
269.74	28.755	108.47
269.84	28.77	108.67
269.94	28.785	108.85
270.	28.794	108.96
270.01	28.796	108.98
270.02	28.797	108.99
270.05	28.802	109.02
270.14	28.815	
270.24	28.83	108.92
270.34	28.845	108.74
270.44	28.859	108.49
270.54	28.873	108.19
270.64	28.886	107.83
270.74	28.899	107.42
270.84	28.911	106.97
270.94	28.921	106.48
271.	28.928	106.17
271.01	28.929	106.12
271.02	28.93	106.07
271.05	28.933	105.96
271.14	28.941	105.81
271.24	28.949	105.8
271.34	28.956	105.92
271.44	28.963	106.14
271.54	28.969	106.45
271.64	28.975	106.85
271.74	28.981	107.31
271.84	28.986	107.84
271.94	28.992	108.44
272.	28.996	108.81
272.01		108.87
272.02	28.997	108.93
272.05	28.999	109.07
272.14	29.004	109.34
272.24	29.011	109.49
272.34	29.018	109.52
272.44	29.025	109.46
272.54	29.033	109.32
272.64	29.041	109.1
272.74	29.048	108.83
272.84	29.056	108.5
272.94	29.064	108.11
273.	29.068	107.86
273.01	29.069	107.82
273.02	29.07	107.79
273.05	29.072	107.7
273.14	29.078	107.59
273.24	29.084	107.6
273.34	29.091	107.71
273.44	29.097	107.9
273.54	29.103	108.17
273.64	29.108	108.49
273.74	29.114	108.88
273.84	29.12	109.31
273.94	29.126	109.79
274.	29.129	110.09
274.01	29.13	110.14
274.02	29.131	110.19
274.05	29.132	110.34

274.14	29.138	110.75
274.24	29.146	111.18
274.34	29.153	111.61
274.44	29.162	112.03
274.54	29.171	112.45
274.64	29.181	112.86
274.74	29.192	113.28
274.84	29.203	113.7
274.94	29.215	114.11
275.	29.223	114.36
275.01	29.224	114.4
275.02	29.226	114.44
275.05	29.23	114.53
275.14	29.242	114.69
275.24	29.256	114.74
275.34	29.27	114.7
275.44	29.284	114.57
275.54	29.299	114.37
275.64	29.313	114.11
275.74	29.327	113.79
275.84	29.341	113.41
275.94	29.354	112.99
276.	29.362	112.72
276.01	29.363	112.67
276.02	29.364	112.63
276.05	29.368	112.52
276.14	29.378	112.28
276.24	29.389	112.09
276.34	29.399	111.96
276.44	29.409	111.88
276.54	29.417	111.84
276.64	29.425	111.83
276.74	29.432	111.85
276.84	29.438	111.89
276.94	29.444	111.96
277.	29.447	112.01
277.01	29.448	112.02
277.02		
277.05	29.45	112.06
277.14	29.454	112.19
277.24	29.459	112.37
277.34	29.464	112.59
277.44	29.469	112.82
277.54	29.473	113.08
277.64	29.478	113.36
277.74	29.483	113.66
277.84	29.489	113.97
277.94	29.494	114.29
278.	29.498	114.49
278.01	29.499	114.52
278.02		114.56
278.05	29.501	114.68
278.14	29.507	115.15
278.24	29.515	115.77
278.34	29.523	116.48
278.44	29.532	117.25
278.54	29.543	118.1
278.64	29.554	119.
278.74	29.567	119.96
278.84	29.581	120.97
278.94	29.597	122.03
279.	29.607	122.68
279.01	29.609	122.79
279.02	29.61	122.9
279.05	29.616	123.26
279.14	29.633	124.44

279.24	29.654	125.88
279.34	29.678	127.43
279.44	29.704	129.06
279.54	29.732	130.79
279.64	29.764	132.6
279.74	29.798	134.48
279.84	29.835	136.43
279.94	29.875	138.45
280.	29.9	139.69
280.01	29.904	139.89
280.02	29.908	140.09
280.05	29.921	140.69
280.14	29.963	142.4
280.24	30.012	144.25
280.34	30.065	146.05
280.44	30.12	147.83
280.54	30.179	149.59
280.64	30.241	151.34
280.74	30.305	153.08
280.84	30.373	154.81
280.94	30.443	156.54
281.	30.486	157.57
281.01	30.493	157.74
281.02	30.5	157.91
281.05	30.522	158.42
281.14	30.59	159.89
281.24	30.667	161.49
281.34	30.746	163.05
281.44	30.827	164.59
281.54	30.91	166.11
281.64	30.994	167.6
281.74	31.08	169.08
281.84	31.168	170.55
281.94	31.256	172.
282.	31.31	172.87
282.01	31.319	173.01
282.02	31.327	173.15
282.05	31.354	173.57
282.14	31.436	174.72
282.24	31.527	175.93
282.34	31.619	177.07
282.44	31.711	178.15
282.54	31.804	179.18
282.64	31.897	180.17
282.74	31.989	181.11
282.84	32.082	182.02
282.94	32.174	182.89
283.	32.229	183.4
283.01	32.239	183.49
283.02	32.248	183.59
283.05	32.275	183.9
283.14	32.358	185.07
283.24	32.45	186.57
283.34	32.542	188.24
283.44	32.634	190.04
283.54	32.726	191.97
283.64	32.819	194.
283.74	32.912	196.12
283.84	33.006	198.34
283.94	33.101	200.63
284.	33.159	202.03
284.01	33.168	202.26
284.02	33.178	202.49
284.05	33.207	203.14
284.14	33.295	204.91
284.24	33.393	206.73

	33.493	208.42
284.44	33.595	210.01
284.54	33.697	211.52
284.64	33.801	212.97
284.74	33.906	214.36
284.84	34.011	215.69
284.94	34.118	216.98
285.	34.182	217.73
285.01	34.192	217.86
285.02	34.203	217.98
285.05	34.235	218.36
285.14	34.331	219.48
285.24	34.439	220.71
285.34	34.546	221.92
285.44	34.653	223.11
285.54	34.76	224.29
285.64	34.867	225.45
285.74	34.973	226.59
285.84	35.079	227.71
285.94	35.184	228.83
286.	35.247	229.49
286.01	35.257	229.6
286.02	35.267	229.71
286.05	35.299	230.04
286.14	35.392	231.01
286.24	35.495	232.08
286.34	35.598	233.13
286.44	35.699	234.17
286.54	35.8	235.19
286.64	35.9	236.21
286.74	35.999	237.21
286.84	36.097	238.19
286.94	36.194	239.17
287.	36.253	239.75
287.01	36.262	239.85
287.02	36.272	239.95
287.05	36.301	240.26
287.14	36.387	241.3
287.24	36.482	242.54
287.34	36.577	243.85
287.44	36.671	245.22
287.54	36.765	246.64
287.64	36.859	248.1
287.74	36.952	249.6
287.84	37.045	251.14
287.94	37.138	252.71
288.	37.194	253.66
288.01	37.203	253.82
288.02	37.213	253.96
288.05	37.241	254.37
288.14	37.324	255.33
288.24	37.417	256.13
288.34	37.509	256.74
288.44	37.601	257.19
288.54	37.692	257.48
288.64	37.782	257.65
288.74	37.871	257.7
288.84	37.959	257.64
288.94	38.045	257.48
289.	38.096	257.36
289.01	38.104	257.34
289.02	38.113	257.33
289.05	38.138	
289.14	38.212	257.53
289.24	38.293	257.96
289.34	38.372	258.53

289.44	38.449	259.22
289.54	38.524	260.01
289.64	38.597	260.88
289.74	38.669	261.83
289.84	38.739	262.84
289.94	38.808	263.9
290.	38.85	264.56
290.01	38.856	264.67
290.02	38.863	264.79
290.05	38.884	265.13
290.14	38.944	266.22
290.24	39.012	267.49
290.34	39.078	268.83
290.44	39.145	270.22
290.54	39.212	271.65
290.64	39.28	273.13
290.74	39.348	274.66
290.84	39.417	276.22
290.94	39.486	277.82
291.	39.528	278.79
291.01	39.535	278.96
291.02	39.542	279.11
291.05	39.564	279.58
291.14	39.628	280.88
291.24	39.7	282.24
291.34	39.774	283.55
291.44	39.848	284.81
291.54	39.923	286.03
291.64	40.	287.22
291.74	40.077	288.38
291.84	40.154	289.52
291.94	40.233	290.63
292.	40.28	291.3
292.01	40.288	291.41
292.02	40.296	291.52
292.05	40.32	291.85
292.14	40.391	292.83
292.24	40.471	293.91
292.34	40.551	294.98
292.44	40.631	296.04
292.54	40.711	297.1
292.64	40.792	298.14
292.74	40.872	299.18
292.84	40.953	300.2
292.94	41.033	301.22
293.	41.081	301.83
293.01	41.089	301.94
293.02	41.097	302.04
293.05	41.121	302.39
293.14	41.193	303.56
293.24	41.274	305.01
293.34	41.355	306.57
293.44	41.436	308.23
293.54	41.517	309.97
293.64	41.6	311.79
293.74	41.682	313.67
293.84	41.766	315.61
293.94	41.851	317.62
294.	41.902	318.84
294.01	41.911	319.03
294.02	41.919	319.23
294.05	41.945	319.77
294.14	42.023	321.13
294.24	42.11	322.41
294.34	42.199	323.49
294.44	42.287	324.43

	42.377	325.23
294.64	42.467	325.91
294.74	42.557	326.49
294.84	42.647	326.98
294.94	42.737	327.38
295.	42.791	327.59
295.01	42.8	327.63
295.02	42.809	327.68
295.05	42.836	327.87
295.14	42.916	328.77
295.24	43.004	330.05
295.34	43.093	331.57
295.44	43.181	333.27
295.54	43.269	335.14
295.64	43.356	337.14
295.74	43.444	339.27
295.84	43.532	341.52
295.94	43.621	343.86
296.	43.675	345.31
296.01	43.684	345.54
296.02	43.693	345.77
296.05	43.72	346.41
296.14	43.801	348.02
296.24	43.892	349.53
296.34	43.984	350.82
296.44	44.077	351.94
296.54	44.171	352.91
296.64	44.266	353.76
296.74	44.361	354.5
296.84	44.457	355.13
296.94	44.552	355.68
297.	44.609	355.97
297.01	44.619	356.03
297.02	44.628	356.09
297.05	44.657	356.31
297.14	44.743	357.26
297.24	44.838	358.57
297.34	44.933	360.08
297.44	45.027	361.75
297.54	45.122	363.55
297.64	45.216	365.47
297.74	45.31	367.5
297.84	45.405	369.62
297.94	45.5	371.83
298.	45.557	373.18
298.01	45.567	373.4
298.02	45.576	373.61
298.05	45.605	374.19
298.14	45.691	375.57
298.24	45.787	376.77
298.34	45.883	377.71
298.44	45.98	378.44
298.54	46.077	378.98
298.64	46.174	379.36
298.74	46.27	379.6
298.84	46.367	379.71
298.94	46.462	379.7
299.	46.519	379.65
299.01	46.528	
299.02	46.538	
299.05	46.566	379.69
299.14	46.65	380.06
299.24	46.741	380.67
299.34	46.832	381.43
299.44	46.921	382.32
299.54	47.008	383.32

299.64	47.094	384.39
299.74	47.179	385.54
299.84	47.262	386.76
299.94	47.344	388.04
300.	47.393	388.82
300.01	47.401	388.95
300.02	47.409	389.08
300.05	47.433	389.46
300.14	47.505	390.55
300.24	47.585	391.73
300.34	47.664	392.88
300.44	47.743	394.02
300.54	47.821	395.15
300.64	47.9	396.27
300.74	47.979	397.38
300.84	48.057	398.49
300.94	48.136	399.59
301.	48.184	400.25
301.01	48.191	400.36
301.02	48.199	400.48
301.05	48.223	400.86
301.14	48.294	402.19
301.24	48.374	403.86
301.34	48.455	405.68
301.44	48.537	407.62
301.54	48.619	409.68
301.64	48.702	411.83
301.74	48.787	414.07
301.84	48.873	416.39
301.94	48.96	418.79
302.	49.014	420.26
302.01	49.023	420.5
302.02	49.031	420.73
302.05	49.058	421.42
302.14	49.14	423.28
302.24	49.233	425.19
302.34	49.327	426.98
302.44	49.424	428.68
302.54	49.522	430.29
302.64	49.622	431.84
302.74	49.723	433.34
302.84	49.826	434.78
302.94	49.93	436.17
303.	49.993	436.99
303.01	50.004	437.13
303.02	50.014	437.25
303.05	50.046	437.61
303.14	50.141	438.46
303.24	50.247	439.2
303.34	50.352	439.77
303.44	50.458	440.18
303.54	50.563	440.46
303.64	50.667	440.63
303.74	50.77	440.68
303.84	50.871	440.63
303.94	50.971	440.49
304.	51.03	440.37
304.01	51.04	440.36
304.02	51.05	440.35
304.05	51.079	440.33
304.14	51.165	440.45
304.24	51.259	440.72
304.34	51.35	441.09
304.44	51.439	441.53
304.54	51.526	442.03
304.64	51.61	442.58

	51.692	443.18
304.84	51.772	443.81
304.94	51.85	444.47
305.	51.896	444.87
305.01	51.904	444.94
305.02	51.911	445.02
305.05	51.934	445.31
305.14	52.001	446.5
305.24	52.075	448.14
305.34	52.149	450.03
305.44	52.222	452.14
305.54	52.296	454.44
305.64	52.37	456.91
305.74	52.445	459.54
305.84	52.521	462.3
305.94	52.599	465.2
306.	52.646	466.98
306.01	52.654	467.27
306.02	52.662	467.55
306.05	52.686	468.3
306.14	52.76	470.1
306.24	52.843	471.65
306.34	52.928	472.86
306.44	53.015	473.8
306.54	53.104	474.5
306.64	53.195	475.
306.74	53.287	475.33
306.84	53.38	475.49
306.94	53.473	475.51
307.	53.529	475.47
307.01	53.539	475.46
307.02	53.548	
307.05	53.576	475.42
307.14	53.66	475.2
307.24	53.752	474.84
307.34	53.842	474.37
307.44	53.931	473.8
307.54	54.017	473.13
307.64	54.1	472.38
307.74	54.181	471.53
307.84	54.258	470.6
307.94	54.332	469.6
308.	54.375	468.97
308.01	54.382	468.87
308.02	54.389	468.77
308.05	54.41	468.53
308.14	54.47	468.1
308.24	54.533	467.86
308.34	54.593	467.82
308.44	54.649	467.94
308.54	54.703	468.18
308.64	54.753	468.53
308.74	54.8	468.98
308.84	54.845	469.51
308.94	54.888	470.12
309.	54.912	470.51
309.01	54.917	470.57
309.02	54.921	470.63
309.05	54.933	470.79
309.14	54.968	471.11
309.24	55.005	471.35
309.34	55.041	471.5
309.44	55.076	471.58
309.54	55.11	471.59
309.64	55.144	471.55
309.74	55.176	471.47

309.84	55.208	471.35
309.94	55.239	471.19
310.	55.258	471.09
310.01	55.261	471.07
310.02	55.264	471.06
310.05	55.273	471.05
310.14	55.3	471.17
310.24	55.33	471.45
310.34	55.359	471.84
310.44	55.387	472.32
310.54	55.415	472.88
310.64	55.443	473.5
310.74	55.47	474.19
310.84	55.497	474.93
310.94	55.524	475.72
311.	55.541	476.21
311.01	55.543	476.29
311.02	55.546	476.37
311.05	55.554	476.56
311.14	55.579	476.94
311.24	55.606	477.18
311.34	55.633	477.29
311.44	55.66	477.27
311.54	55.687	477.17
311.64	55.714	476.97
311.74	55.742	476.71
311.84	55.768	476.37
311.94	55.795	475.97
312.	55.811	475.71
312.01	55.813	475.67
312.02	55.816	475.62
312.05	55.824	475.49
312.14	55.846	475.08
312.24	55.871	474.61
312.34	55.894	474.1
312.44	55.916	473.57
312.54	55.937	473.01
312.64	55.956	472.43
312.74	55.974	471.82
312.84	55.99	471.18
312.94	56.004	470.52
313.	56.012	470.11
313.01	56.014	470.05
313.02	56.015	469.99
313.05	56.019	469.84
313.14	56.029	469.58
313.24	56.039	469.46
313.34	56.048	469.49
313.44	56.055	469.63
313.54	56.061	469.87
313.64	56.067	470.2
313.74	56.071	470.6
313.84	56.075	471.07
313.94	56.079	471.6
314.	56.081	471.93
314.01		471.99
314.02	56.082	472.03
314.05	56.083	472.13
314.14	56.085	472.14
314.24	56.088	471.89
314.34	56.091	471.45
314.44	56.093	470.85
314.54	56.095	470.11
314.64	56.097	469.24
314.74	56.099	468.27
314.84	56.1	467.2

314.94	56.101	466.04
315.		465.31
315.01		465.2
315.02		465.08
315.05	56.1	464.79
315.14	56.099	464.16
315.24	56.097	463.69
315.34	56.094	463.38
315.44	56.09	463.22
315.54	56.085	463.18
315.64	56.079	463.23
315.74	56.071	463.37
315.84	56.063	463.59
315.94	56.054	463.88
316.	56.049	464.08
316.01	56.048	464.11
316.02	56.047	464.15
316.05	56.044	464.26
316.14	56.035	464.63
316.24	56.026	465.1
316.34	56.017	465.62
316.44	56.008	466.19
316.54	56.	466.81
316.64	55.993	467.47
316.74	55.987	468.17
316.84	55.982	468.91
316.94	55.979	469.68
317.	55.977	470.16
317.01		470.23
317.02	55.976	470.3
317.05		470.46
317.14	55.975	470.62
317.24		470.52
317.34		470.19
317.44	55.977	469.68
317.54	55.979	469.01
317.64	55.981	468.2
317.74	55.985	467.26
317.84	55.988	466.21
317.94	55.99	465.06
318.	55.992	464.33
318.01		464.21
318.02		464.09
318.05	55.993	463.75
318.14	55.994	462.76
318.24		461.7
318.34	55.993	460.65
318.44	55.99	459.61
318.54	55.986	458.57
318.64	55.979	457.52
318.74	55.97	456.47
318.84	55.96	455.4
318.94	55.947	454.32
319.	55.938	453.67
319.01	55.937	453.57
319.02	55.935	453.48
319.05	55.931	453.26
319.14	55.916	453.02
319.24	55.898	453.14
319.34	55.879	453.57
319.44	55.86	454.26
319.54	55.84	455.18
319.64	55.819	456.3
319.74	55.799	457.59
319.84	55.779	459.05
319.94	55.76	460.66

320.	55.749	461.67
320.01	55.747	461.83
320.02	55.746	461.99
320.05	55.74	462.38
320.14	55.726	463.12
320.24	55.711	463.57
320.34	55.697	463.73
320.44	55.686	463.65
320.54	55.676	463.38
320.64	55.668	462.94
320.74	55.663	462.34
320.84	55.659	461.62
320.94	55.656	460.78
321.		460.23
321.01	55.654	460.14
321.02		460.05
321.05	55.653	459.81
321.14	55.652	459.21
321.24	55.651	458.62
321.34	55.65	458.1
321.44	55.649	457.62
321.54	55.648	457.17
321.64	55.645	456.75
321.74	55.642	456.34
321.84	55.638	455.96
321.94	55.633	455.58
322.	55.63	455.36
322.01	55.629	455.32
322.02	55.628	455.27
322.05	55.627	455.13
322.14	55.62	454.53
322.24	55.612	453.74
322.34	55.602	452.83
322.44	55.592	451.84
322.54	55.58	450.77
322.64	55.567	449.63
322.74	55.552	448.43
322.84	55.537	447.18
322.94	55.519	445.87
323.	55.508	445.07
323.01	55.506	444.95
323.02	55.505	444.83
323.05	55.499	444.52
323.14	55.481	443.93
323.24	55.46	443.59
323.34	55.438	443.49
323.44	55.415	443.6
323.54	55.391	443.89
323.64	55.366	444.33
323.74	55.341	444.9
323.84	55.315	445.6
323.94	55.289	446.41
324.	55.274	446.94
324.01	55.272	447.02
324.02	55.269	447.11
324.05	55.262	447.33
324.14	55.239	447.85
324.24	55.215	448.32
324.34	55.192	448.71
324.44	55.171	449.04
324.54	55.15	449.32
324.64	55.132	449.56
324.74	55.115	449.77
324.84	55.1	449.96
324.94	55.087	450.12
325.	55.079	450.22

325.01	55.078	450.23
325.02	55.077	
325.05	55.073	450.19
325.14	55.063	449.78
325.24	55.053	449.01
325.34	55.043	448.
325.44	55.034	446.78
325.54	55.024	445.38
325.64	55.015	443.82
325.74	55.005	442.12
325.84	54.994	440.28
325.94	54.982	438.31
326.	54.975	437.09
326.01	54.973	436.89
326.02	54.972	436.7
326.05	54.968	436.15
326.14	54.954	434.71
326.24	54.937	433.31
326.34	54.918	432.04
326.44	54.897	430.88
326.54	54.874	429.81
326.64	54.847	428.8
326.74	54.819	427.85
326.84	54.788	426.95
326.94	54.754	426.1
327.	54.734	425.6
327.01	54.73	425.52
327.02	54.727	425.44
327.05	54.716	425.2
327.14	54.683	424.53
327.24	54.644	423.84
327.34	54.604	423.19
327.44	54.562	422.58
327.54	54.52	422.
327.64	54.477	421.46
327.74	54.433	420.94
327.84	54.388	420.45
327.94	54.344	419.99
328.	54.317	419.72
328.01	54.312	419.67
328.02	54.308	419.62
328.05	54.294	419.47
328.14	54.254	418.92
328.24	54.209	418.24
328.34	54.163	417.57
328.44	54.118	416.87
328.54	54.073	416.13
328.64	54.028	415.37
328.74	53.983	414.58
328.84	53.938	413.77
328.94	53.893	412.94
329.	53.866	412.43
329.01	53.861	412.34
329.02	53.857	412.26
329.05	53.843	412.02
329.14	53.802	411.35
329.24	53.757	410.65
329.34	53.712	409.97
329.44	53.666	409.32
329.54	53.62	408.69
329.64	53.574	408.07
329.74	53.528	407.47
329.84	53.481	406.87
329.94	53.435	406.29
330.	53.407	405.94
330.01	53.402	405.88

330.02	53.397	405.82
330.05	53.383	405.62
330.14	53.341	404.94
330.24	53.293	404.1
330.34	53.245	403.19
330.44	53.197	402.23
330.54	53.149	401.23
330.64	53.1	400.18
330.74	53.051	399.1
330.84	53.002	397.99
330.94	52.952	396.85
331.	52.922	396.15
331.01	52.917	396.04
331.02	52.912	395.93
331.05	52.896	395.63
331.14	52.851	394.94
331.24	52.8	394.33
331.34	52.748	393.86
331.44	52.697	393.5
331.54	52.645	393.23
331.64	52.592	393.03
331.74	52.54	392.9
331.84	52.487	392.84
331.94	52.435	392.82
332.	52.404	
332.01	52.399	392.84
332.02	52.393	
332.05	52.378	392.83
332.14	52.331	392.73
332.24	52.28	392.58
332.34	52.23	392.41
332.44	52.181	392.21
332.54	52.133	392.
332.64	52.085	391.78
332.74	52.039	391.55
332.84	51.994	391.32
332.94	51.951	391.09
333.	51.925	390.95
333.01	51.921	390.93
333.02	51.916	390.9
333.05	51.903	390.83
333.14	51.866	390.61
333.24	51.826	390.36
333.34	51.786	390.1
333.44	51.748	389.84
333.54	51.711	389.58
333.64	51.674	389.32
333.74	51.639	389.06
333.84	51.604	388.79
333.94	51.57	388.53
334.	51.55	388.37
334.01	51.546	388.35
334.02	51.543	388.32
334.05	51.533	388.23
334.14	51.504	387.97
334.24	51.472	387.65
334.34	51.44	387.33
334.44	51.41	387.
334.54	51.379	386.65
334.64	51.349	386.31
334.74	51.32	385.96
334.84	51.291	385.6
334.94	51.262	385.24
335.	51.245	385.03
335.01	51.242	384.99
335.02	51.239	384.95

335.05	51.231	384.85
335.14	51.206	384.56
335.24	51.178	384.25
335.34	51.15	383.95
335.44	51.123	383.66
335.54	51.096	383.37
335.64	51.069	383.1
335.74	51.042	382.83
335.84	51.016	382.56
335.94	50.989	382.3
336.	50.974	382.15
336.01	50.971	382.12
336.02	50.969	382.09
336.05	50.961	382.02
336.14	50.937	381.79
336.24	50.912	381.54
336.34	50.886	381.29
336.44	50.861	381.04
336.54	50.836	380.8
336.64	50.812	380.56
336.74	50.787	380.32
336.84	50.763	380.08
336.94	50.739	379.85
337.	50.725	379.71
337.01	50.723	379.68
337.02	50.72	379.66
337.05	50.713	379.56
337.14	50.692	379.16
337.24	50.669	378.63
337.34	50.645	378.01
337.44	50.622	377.33
337.54	50.598	376.6
337.64	50.575	375.82
337.74	50.551	375.
337.84	50.527	374.14
337.94	50.502	373.24
338.	50.487	372.69
338.01	50.485	372.6
338.02	50.482	372.52
338.05	50.475	372.29
338.14	50.452	371.79
338.24	50.427	371.39
338.34	50.401	371.12
338.44	50.374	370.95
338.54	50.347	370.87
338.64	50.32	370.85
338.74	50.292	370.9
338.84	50.264	371.
338.94	50.237	371.15
339.	50.22	371.26
339.01	50.217	371.27
339.02	50.214	371.29
339.05	50.206	
339.14	50.181	371.16
339.24	50.153	370.86
339.34	50.125	370.45
339.44	50.098	369.95
339.54	50.071	369.38
339.64	50.045	368.75
339.74	50.018	368.06
339.84	49.992	367.34
339.94	49.967	366.56
340.	49.951	366.09
340.01	49.949	366.01
340.02	49.946	365.93
340.05	49.938	365.72

340.14	49.915	365.13
340.24	49.89	364.55
340.34	49.864	364.01
340.44	49.838	363.5
340.54	49.811	363.02
340.64	49.785	362.55
340.74	49.757	362.11
340.84	49.729	361.68
340.94	49.701	361.26
341.	49.684	361.02
341.01	49.681	360.97
341.02	49.679	360.93
341.05	49.67	360.78
341.14	49.644	360.24
341.24	49.614	359.55
341.34	49.584	358.79
341.44	49.554	357.98
341.54	49.523	357.12
341.64	49.491	356.22
341.74	49.459	355.28
341.84	49.427	354.3
341.94	49.393	353.3
342.	49.373	352.69
342.01	49.37	352.59
342.02	49.367	352.49
342.05	49.356	352.24
342.14	49.326	351.67
342.24	49.291	351.22
342.34	49.256	350.9
342.44	49.22	350.7
342.54	49.184	350.59
342.64	49.148	350.55
342.74	49.112	350.59
342.84	49.075	350.69
342.94	49.038	350.85
343.	49.016	350.96
343.01	49.013	350.98
343.02	49.009	350.99
343.05	48.998	351.03
343.14	48.965	351.07
343.24	48.93	351.05
343.34	48.895	351.
343.44	48.86	350.92
343.54	48.827	350.82
343.64	48.794	350.7
343.74	48.763	350.58
343.84	48.733	350.45
343.94	48.703	350.31
344.	48.686	350.22
344.01	48.683	350.21
344.02	48.68	350.19
344.05	48.672	350.12
344.14	48.647	349.81
344.24	48.62	349.36
344.34	48.594	348.84
344.44	48.569	348.25
344.54	48.544	347.6
344.64	48.519	346.91
344.74	48.494	346.17
344.84	48.47	345.39
344.94	48.446	344.58
345.	48.431	344.08
345.01	48.428	344.
345.02	48.426	343.93
345.05	48.419	343.72
345.14	48.397	343.3

	48.372	342.98
345.34	48.347	342.79
345.44	48.323	342.7
345.54	48.298	342.69
345.64	48.272	342.75
345.74	48.247	342.88
345.84	48.221	343.06
345.94	48.196	343.29
346.	48.181	343.44
346.01	48.178	343.47
346.02	48.176	343.48
346.05	48.168	343.51
346.14	48.146	343.42
346.24	48.121	343.17
346.34	48.096	342.79
346.44	48.072	342.32
346.54	48.048	341.76
346.64	48.025	341.15
346.74	48.002	340.47
346.84	47.979	339.74
346.94	47.957	338.97
347.	47.943	338.49
347.01	47.941	338.41
347.02	47.939	338.33
347.05	47.932	338.11
347.14	47.912	337.55
347.24	47.89	336.98
347.34	47.867	336.47
347.44	47.844	335.99
347.54	47.821	335.55
347.64	47.798	335.12
347.74	47.773	334.72
347.84	47.749	334.33
347.94	47.724	333.96
348.	47.709	333.74
348.01	47.706	333.71
348.02	47.703	333.67
348.05	47.696	333.59
348.14	47.673	333.42
348.24	47.647	333.32
348.34	47.621	333.29
348.44	47.595	333.32
348.54	47.569	333.4
348.64	47.544	333.53
348.74	47.518	333.69
348.84	47.494	333.9
348.94	47.469	334.14
349.	47.455	334.3
349.01	47.453	334.32
349.02	47.45	334.34
349.05	47.443	334.38
349.14	47.422	334.32
349.24	47.4	334.11
349.34	47.377	333.79
349.44	47.356	333.39
349.54	47.335	332.91
349.64	47.315	332.36
349.74	47.295	331.77
349.84	47.276	331.12
349.94	47.257	330.43
350.	47.246	330.
350.01	47.244	329.93
350.02	47.242	329.86
350.05	47.236	329.67
350.14	47.219	329.15
350.24	47.201	328.63

	47.182	328.16
350.44	47.163	327.71
350.54	47.144	327.28
350.64	47.124	326.87
350.74	47.104	326.48
350.84	47.083	326.1
350.94	47.062	325.73
351.	47.049	325.53
351.01	47.047	
351.02	47.045	
351.05	47.038	
351.14	47.018	
351.24	46.996	325.54
351.34	46.973	
351.44	46.95	
351.54	46.927	325.55
351.64	46.904	
351.74	46.88	325.56
351.84	46.856	325.57
351.94	46.832	
352.	46.818	325.58
352.01	46.815	
352.02	46.813	325.57
352.05	46.806	
352.14	46.784	325.53
352.24	46.76	325.47
352.34	46.735	325.39
352.44	46.71	325.31
352.54	46.685	325.21
352.64	46.659	325.11
352.74	46.633	324.99
352.84	46.607	324.87
352.94	46.581	324.74
353.	46.564	324.66
353.01	46.562	324.65
353.02	46.559	324.64
353.05	46.551	324.61
353.14	46.526	324.58
353.24	46.498	324.56
353.34	46.469	324.57
353.44	46.44	324.59
353.54	46.411	324.63
353.64	46.381	324.68
353.74	46.351	324.74
353.84	46.321	324.82
353.94	46.29	324.9
354.	46.272	324.95
354.01	46.269	324.96
354.02	46.266	324.97
354.05	46.257	324.99
354.14	46.229	325.03
354.24	46.199	325.08
354.34	46.169	325.11
354.44	46.14	325.15
354.54	46.111	325.18
354.64	46.082	325.2
354.74	46.055	325.23
354.84	46.028	325.25
354.94	46.002	325.27
355.	45.986	325.28
355.01	45.984	
355.02	45.981	
355.05	45.974	
355.14	45.951	325.25
355.24	45.926	325.2
355.34	45.902	325.13

355.44	45.878	325.05
355.54	45.855	324.96
355.64	45.831	324.87
355.74	45.808	324.76
355.84	45.784	324.64
355.94	45.76	324.52
356.	45.746	324.44
356.01	45.744	324.43
356.02	45.741	324.42
356.05	45.734	324.4
356.14	45.712	324.36
356.24	45.688	324.35
356.34	45.664	324.36
356.44	45.639	324.38
356.54	45.614	324.42
356.64	45.589	324.47
356.74	45.563	324.53
356.84	45.537	324.6
356.94	45.511	324.68
357.	45.496	324.73
357.01	45.493	324.74
357.02	45.491	324.75
357.05	45.483	324.78
357.14	45.46	324.87
357.24	45.435	324.98
357.34	45.411	325.1
357.44	45.387	325.22
357.54	45.364	325.35
357.64	45.342	325.49
357.74	45.321	325.63
357.84	45.302	325.78
357.94	45.283	325.93
358.	45.272	326.03
358.01	45.27	326.04
358.02	45.269	326.05
358.05	45.264	326.07
358.14	45.249	326.09
358.24	45.233	326.06
358.34	45.218	326.
358.44	45.205	325.91
358.54	45.191	325.8
358.64	45.179	325.66
358.74	45.167	325.5
358.84	45.155	325.33
358.94	45.144	325.13
359.	45.137	325.01
359.01	45.136	325.
359.02	45.134	324.98
359.05	45.131	324.95
359.14	45.12	324.93
359.24	45.109	324.94
359.34	45.097	325.
359.44	45.084	325.09
359.54	45.071	325.2
359.64	45.058	325.34
359.74	45.044	325.5
359.84	45.03	325.68
359.94	45.016	325.88
360.	45.007	326.
360.01	45.006	326.02
360.02	45.004	326.04
360.05	45.	326.07
360.14	44.987	326.15
360.24	44.973	326.2
360.34	44.96	326.23
360.44	44.946	326.24

	44.934	326.23
360.64	44.922	326.2
360.74	44.911	326.16
360.84	44.901	326.11
360.94	44.891	326.05
361.	44.886	326.01
361.01	44.885	326.
361.02	44.884	
361.05	44.881	325.98
361.14	44.873	325.95
361.24	44.864	325.93
361.34	44.856	325.91
361.44	44.847	325.89
361.54	44.839	325.87
361.64	44.83	325.86
361.74	44.821	325.85
361.84	44.811	325.84
361.94	44.801	325.83
362.	44.795	
362.01	44.794	
362.02	44.793	325.82
362.05	44.79	
362.14	44.78	
362.24	44.769	325.81
362.34	44.758	
362.44	44.747	
362.54	44.735	325.8
362.64	44.723	
362.74	44.711	
362.84	44.698	
362.94	44.686	
363.	44.678	
363.01	44.677	
363.02	44.676	
363.05	44.672	
363.14	44.66	
363.24	44.647	
363.34	44.634	
363.44	44.621	
363.54	44.608	
363.64	44.595	325.81
363.74	44.582	
363.84	44.568	
363.94	44.555	325.82
364.	44.547	
364.01	44.546	
364.02	44.544	
364.05	44.54	
364.14	44.529	
364.24	44.515	325.83
364.34	44.502	325.84
364.44	44.489	
364.54	44.476	325.85
364.64	44.463	325.86
364.74	44.45	325.87
364.84	44.437	325.88
364.94	44.424	325.89
365.	44.416	
365.01	44.415	
365.02	44.413	
365.05	44.41	325.9
365.14	44.398	
365.24	44.385	325.91
365.34	44.373	
365.44	44.36	325.92
365.54	44.348	

365.64	44.335	
365.74	44.323	325.93
365.84	44.311	
365.94	44.299	
366.	44.292	
366.01	44.29	
366.02	44.289	325.94
366.05	44.286	325.96
366.14	44.275	326.08
366.24	44.264	326.26
366.34	44.254	326.47
366.44	44.244	326.72
366.54	44.235	326.98
366.64	44.227	327.28
366.74	44.22	327.59
366.84	44.214	327.93
366.94	44.209	328.28
367.	44.207	328.5
367.01		328.53
367.02		328.56
367.05	44.206	328.63
367.14	44.204	328.74
367.24		328.8
367.34	44.205	328.81
367.44	44.207	328.77
367.54	44.211	328.69
367.64	44.216	328.58
367.74	44.223	328.43
367.84	44.23	328.26
367.94	44.238	328.06
368.	44.243	327.93
368.01	44.244	327.92
368.02	44.245	327.9
368.05	44.247	327.87
368.14	44.255	327.81
368.24	44.263	327.77
368.34	44.271	
368.44	44.279	327.79
368.54	44.286	327.83
368.64	44.291	327.88
368.74	44.296	327.95
368.84	44.299	328.03
368.94	44.302	328.12
369.	44.303	328.18
369.01	44.304	328.19
369.02		
369.05		328.21
369.14	44.305	328.23
369.24		
369.34	44.304	328.22
369.44	44.303	328.2
369.54	44.301	328.17
369.64	44.3	328.12
369.74	44.297	328.07
369.84	44.295	328.01
369.94	44.292	327.94
370.	44.29	327.9
370.01	44.289	327.89
370.02		
370.05	44.288	327.87
370.14	44.284	327.84
370.24	44.28	327.81
370.34	44.275	327.79
370.44	44.27	327.77
370.54	44.264	327.75
370.64	44.257	327.74

370.74	44.25	327.73
370.84	44.242	327.72
370.94	44.234	
371.	44.229	327.71
371.01	44.228	
371.02	44.227	
371.05	44.224	327.7
371.14	44.216	327.66
371.24	44.205	327.6
371.34	44.195	327.52
371.44	44.183	327.44
371.54	44.171	327.35
371.64	44.159	327.25
371.74	44.146	327.15
371.84	44.132	327.03
371.94	44.118	326.93
372.	44.109	326.87
372.01	44.107	
372.02	44.106	326.86
372.05	44.101	326.84
372.14	44.088	326.81
372.24	44.072	326.85
372.34	44.056	326.92
372.44	44.039	327.02
372.54	44.023	327.14
372.64	44.006	327.27
372.74	43.989	327.43
372.84	43.972	327.6
372.94	43.955	327.78
373.	43.945	327.9
373.01	43.944	327.92
373.02	43.942	327.93
373.05	43.937	327.96
373.14	43.923	328.01
373.24	43.907	328.02
373.34	43.892	328.
373.44	43.878	327.95
373.54	43.864	327.89
373.64	43.851	327.8
373.74	43.839	327.71
373.84	43.827	327.59
373.94	43.816	327.47
374.	43.809	327.39
374.01	43.808	327.38
374.02	43.807	327.37
374.05	43.804	327.35
374.14	43.794	327.31
374.24	43.784	327.3
374.34	43.773	327.31
374.44	43.763	327.33
374.54	43.752	327.37
374.64	43.741	327.42
374.74	43.73	327.48
374.84	43.719	327.55
374.94	43.707	327.63
375.	43.7	327.68
375.01	43.699	327.69
375.02	43.698	
375.05	43.694	327.71
375.14	43.684	327.76
375.24	43.672	327.82
375.34	43.661	327.86
375.44	43.65	327.91
375.54	43.639	327.95
375.64	43.628	328.
375.74	43.619	328.04

375.84	43.609	328.08
375.94	43.6	328.12
376.	43.595	328.15
376.01		
376.02	43.594	
376.05	43.591	328.16
376.14	43.584	328.17
376.24	43.577	328.18
376.34	43.57	
376.44	43.563	
376.54	43.556	328.17
376.64	43.55	328.16
376.74	43.544	328.14
376.84	43.538	328.12
376.94	43.533	328.1
377.	43.529	328.08
377.01		
377.02	43.528	
377.05	43.526	328.07
377.14	43.521	328.05
377.24	43.516	328.02
377.34	43.51	327.99
377.44	43.504	327.96
377.54	43.497	327.93
377.64	43.491	327.9
377.74	43.484	327.87
377.84	43.477	327.83
377.94	43.469	327.8
378.	43.465	327.77
378.01	43.464	
378.02	43.463	
378.05	43.461	327.78
378.14	43.454	327.83
378.24	43.446	327.92
378.34	43.438	328.04
378.44	43.43	328.17
378.54	43.422	328.33
378.64	43.415	328.5
378.74	43.408	328.68
378.84	43.401	328.89
378.94	43.395	329.1
379.	43.391	329.23
379.01		329.25
379.02	43.39	329.27
379.05	43.389	329.32
379.14	43.384	329.41
379.24	43.38	329.49
379.34	43.377	329.54
379.44	43.375	329.57
379.54	43.373	329.58
379.64		
379.74	43.374	329.57
379.84	43.375	329.54
379.94	43.378	329.51
380.	43.379	329.48
380.01		
380.02	43.38	329.47
380.05		
380.14	43.383	329.45
380.24	43.387	329.43
380.34	43.39	329.41
380.44	43.394	329.39
380.54	43.397	329.37
380.64	43.4	329.35
380.74	43.403	329.33
380.84	43.405	329.31

380.94	43.407	329.29
381.	43.408	329.28
381.01		
381.02		
381.05	43.409	329.27
381.14		
381.24		
381.34		
381.44	43.408	
381.54	43.407	329.28
381.64	43.405	329.29
381.74	43.403	329.3
381.84	43.4	329.31
381.94	43.397	329.33
382.	43.395	329.34
382.01		
382.02	43.394	
382.05	43.393	329.35
382.14	43.39	329.41
382.24	43.386	329.48
382.34	43.382	329.56
382.44	43.379	329.66
382.54	43.375	329.76
382.64	43.371	329.88
382.74	43.368	330.
382.84	43.365	330.13
382.94	43.362	330.26
383.	43.36	330.34
383.01		330.36
383.02		330.37
383.05	43.359	330.4
383.14	43.358	330.5
383.24	43.356	330.59
383.34	43.355	330.68
383.44		330.76
383.54	43.356	330.84
383.64	43.357	330.91
383.74	43.359	330.98
383.84	43.361	331.05
383.94	43.365	331.12
384.	43.367	331.16
384.01		
384.02	43.368	331.17
384.05	43.369	331.18
384.14	43.373	331.2
384.24	43.377	
384.34	43.382	
384.44	43.387	331.18
384.54	43.392	331.15
384.64	43.398	331.11
384.74	43.403	331.07
384.84	43.408	331.02
384.94	43.412	330.96
385.	43.415	330.92
385.01		
385.02	43.416	
385.05	43.417	330.93
385.14	43.421	331.02
385.24	43.425	331.17
385.34	43.43	331.37
385.44	43.434	331.59
385.54	43.439	331.85
385.64	43.443	332.13
385.74	43.448	332.44
385.84	43.453	332.77
385.94	43.459	333.12

386.	43.462	333.34
386.01	43.463	333.38
386.02	43.464	333.4
386.05	43.466	333.48
386.14	43.472	333.63
386.24	43.481	333.75
386.34	43.49	333.83
386.44	43.5	333.88
386.54	43.511	333.9
386.64	43.524	333.89
386.74	43.538	333.86
386.84	43.553	333.81
386.94	43.569	333.74
387.	43.578	333.69
387.01	43.58	
387.02	43.581	333.68
387.05	43.586	333.66
387.14	43.601	333.61
387.24	43.618	333.55
387.34	43.634	333.49
387.44	43.65	333.43
387.54	43.665	333.37
387.64	43.679	333.3
387.74	43.692	333.23
387.84	43.704	333.15
387.94	43.714	333.07
388.	43.72	333.02
388.01	43.721	
388.02	43.722	333.01
388.05	43.725	332.99
388.14	43.732	332.95
388.24	43.738	332.92
388.34	43.744	332.89
388.44	43.748	332.86
388.54	43.75	332.85
388.64	43.751	332.83
388.74		332.82
388.84	43.75	332.81
388.94	43.748	
389.	43.746	
389.01		
389.02		
389.05	43.745	332.83
389.14	43.741	332.91
389.24	43.737	333.02
389.34	43.732	333.17
389.44	43.727	333.33
389.54	43.722	333.52
389.64	43.716	333.72
389.74	43.711	333.93
389.84	43.707	334.16
389.94	43.702	334.41
390.	43.7	334.56
390.01		334.58
390.02		334.6
390.05	43.698	334.65
390.14	43.696	334.74
390.24	43.693	334.79
390.34	43.692	334.8
390.44	43.691	334.79
390.54		334.75
390.64		334.69
390.74	43.693	334.61
390.84	43.695	334.51
390.94	43.697	334.4
391.	43.698	334.32

391.01	43.699	334.31
391.02		334.3
391.05	43.7	334.28
391.14	43.702	334.22
391.24	43.704	334.17
391.34	43.706	334.13
391.44	43.708	334.1
391.54	43.709	334.07
391.64		334.04
391.74	43.708	334.02
391.84	43.706	334.
391.94	43.703	333.99
392.	43.701	333.98
392.01		
392.02	43.7	
392.05	43.699	333.97
392.14	43.695	333.96
392.24	43.69	
392.34	43.683	333.95
392.44	43.676	333.94
392.54	43.669	
392.64	43.661	333.93
392.74	43.652	
392.84	43.643	
392.94	43.633	333.92
393.	43.627	
393.01	43.626	
393.02	43.625	
393.05	43.622	
393.14	43.613	
393.24	43.602	
393.34	43.591	333.91
393.44	43.58	
393.54	43.569	
393.64	43.557	
393.74	43.545	333.9
393.84	43.533	
393.94	43.521	
394.	43.514	
394.01	43.512	
394.02	43.511	
394.05	43.507	333.89
394.14	43.496	
394.24	43.484	
394.34	43.471	
394.44	43.459	
394.54	43.446	
394.64	43.433	
394.74	43.42	333.88
394.84	43.407	
394.94	43.394	
395.	43.387	
395.01	43.385	
395.02	43.384	
395.05	43.38	
395.14	43.368	
395.24	43.355	
395.34	43.342	
395.44	43.329	333.89
395.54	43.316	
395.64	43.303	
395.74	43.29	333.9
395.84	43.278	
395.94	43.265	
396.	43.257	
396.01	43.256	

396.02	43.254	333.91
396.05	43.25	
396.14	43.239	
396.24	43.226	333.92
396.34	43.214	333.93
396.44	43.201	333.94
396.54	43.189	333.95
396.64	43.176	333.96
396.74	43.164	333.97
396.84	43.152	
396.94	43.14	333.99
397.	43.132	
397.01	43.131	
397.02	43.13	
397.05	43.126	334.
397.14	43.116	
397.24	43.104	
397.34	43.092	334.01
397.44	43.081	
397.54	43.069	
397.64	43.058	
397.74	43.047	
397.84	43.036	
397.94	43.025	334.
398.	43.018	
398.01	43.017	
398.02	43.016	
398.05	43.013	
398.14	43.003	
398.24	42.992	
398.34	42.981	
398.44	42.971	
398.54	42.96	
398.64	42.949	
398.74	42.939	
398.84	42.928	
398.94	42.918	
399.	42.912	
399.01	42.91	
399.02	42.909	
399.05	42.906	
399.14	42.897	
399.24	42.887	
399.34	42.876	334.01
399.44	42.866	
399.54	42.856	
399.64	42.845	
399.74	42.835	334.02
399.84	42.825	
399.94	42.815	
400.	42.809	
400.01	42.808	
400.02	42.807	
400.05	42.804	
400.14	42.795	333.98
400.24	42.785	333.93
400.34	42.775	333.87
400.44	42.764	333.81
400.54	42.754	333.73
400.64	42.743	333.65
400.74	42.732	333.57
400.84	42.721	333.5
400.94	42.709	333.44
401.	42.702	333.41
401.01	42.701	333.4
401.02	42.7	

401.05	42.696	333.38
401.14	42.685	333.34
401.24	42.673	333.31
401.34	42.66	333.29
401.44	42.647	333.33
401.54	42.634	333.4
401.64	42.621	333.47
401.74	42.607	333.56
401.84	42.594	333.66
401.94	42.58	333.77
402.	42.572	333.84
402.01	42.571	333.85
402.02	42.57	333.86
402.05	42.566	333.88
402.14	42.554	333.92
402.24	42.541	333.94
402.34	42.528	333.95
402.44	42.516	
402.54	42.504	333.94
402.64	42.493	333.91
402.74	42.483	333.88
402.84	42.473	333.85
402.94	42.463	333.8
403.	42.458	333.78
403.01	42.457	333.77
403.02	42.456	
403.05	42.453	333.76
403.14	42.445	333.74
403.24	42.437	333.72
403.34	42.429	333.71
403.44	42.42	333.7
403.54	42.412	333.69
403.64	42.404	333.68
403.74	42.396	
403.84	42.388	333.67
403.94	42.379	
404.	42.374	
404.01	42.373	
404.02		
404.05	42.37	
404.14	42.362	333.66
404.24	42.354	
404.34	42.345	333.65
404.44	42.336	
404.54	42.328	333.64
404.64	42.319	333.63
404.74	42.31	
404.84	42.302	333.62
404.94	42.293	333.61
405.	42.288	
405.01	42.287	
405.02	42.286	
405.05	42.283	333.6
405.14	42.275	
405.24	42.267	333.58
405.34	42.258	333.57
405.44	42.249	333.56
405.54	42.24	333.55
405.64	42.232	333.53
405.74	42.223	333.52
405.84	42.214	333.5
405.94	42.206	333.49
406.	42.2	333.48
406.01	42.199	
406.02		333.47
406.05	42.196	

406.14	42.188	333.45
406.24	42.179	333.43
406.34	42.17	333.42
406.44	42.161	333.4
406.54	42.152	333.37
406.64	42.143	333.35
406.74	42.134	333.33
406.84	42.125	333.31
406.94	42.116	333.29
407.	42.11	333.27
407.01		
407.02	42.109	
407.05	42.106	333.26
407.14	42.097	333.25
407.24	42.088	333.23
407.34	42.078	333.21
407.44	42.069	333.19
407.54	42.059	333.18
407.64	42.05	333.16
407.74	42.04	333.15
407.84	42.03	333.13
407.94	42.02	333.12
408.	42.014	333.11
408.01	42.013	
408.02	42.012	
408.05	42.009	
408.14	42.	333.1
408.24	41.99	333.08
408.34	41.98	
408.44	41.97	333.07
408.54	41.96	333.06
408.64	41.95	333.05
408.74	41.94	
408.84	41.93	333.04
408.94	41.921	
409.	41.915	
409.01	41.914	
409.02	41.913	
409.05	41.91	
409.14	41.901	333.03
409.24	41.892	
409.34	41.882	
409.44	41.873	333.02
409.54	41.863	
409.64	41.854	
409.74	41.845	333.01
409.84	41.836	
409.94	41.827	
410.	41.822	
410.01	41.821	
410.02	41.82	333.
410.05	41.818	
410.14	41.81	
410.24	41.802	332.99
410.34	41.793	332.98
410.44	41.785	
410.54	41.777	332.97
410.64	41.769	332.96
410.74	41.761	332.95
410.84	41.753	332.94
410.94	41.745	332.93
411.	41.741	332.92
411.01	41.74	
411.02	41.739	
411.05	41.737	332.93
411.14	41.73	332.94

411.24	41.723	332.97
411.34	41.716	333.
411.44	41.709	333.04
411.54	41.702	333.08
411.64	41.695	333.13
411.74	41.689	333.18
411.84	41.682	333.24
411.94	41.677	333.3
412.	41.673	333.34
412.01		
412.02	41.672	333.35
412.05	41.67	333.36
412.14	41.666	333.37
412.24	41.661	
412.34	41.656	333.35
412.44	41.651	333.33
412.54	41.647	333.3
412.64	41.643	333.26
412.74	41.64	333.22
412.84	41.636	333.17
412.94	41.633	333.11
413.	41.631	333.07
413.01		
413.02	41.63	333.06
413.05	41.629	333.04
413.14	41.626	332.99
413.24	41.623	332.94
413.34	41.619	332.89
413.44	41.615	332.85
413.54	41.611	332.81
413.64	41.606	332.77
413.74	41.601	332.73
413.84	41.595	332.69
413.94	41.588	332.66
414.	41.584	332.64
414.01		
414.02	41.583	
414.05	41.581	332.63
414.14	41.574	332.6
414.24	41.566	332.57
414.34	41.557	332.55
414.44	41.548	332.52
414.54	41.538	332.5
414.64	41.527	332.47
414.74	41.516	332.44
414.84	41.505	332.42
414.94	41.493	332.39
415.	41.485	332.37
415.01	41.484	
415.02	41.483	332.36
415.05	41.479	
415.14	41.467	332.33
415.24	41.454	332.3
415.34	41.44	332.27
415.44	41.426	332.24
415.54	41.412	332.21
415.64	41.398	332.18
415.74	41.383	332.15
415.84	41.369	332.12
415.94	41.354	332.09
416.	41.345	332.07
416.01	41.343	
416.02	41.342	
416.05	41.338	332.06
416.14	41.324	332.03
416.24	41.31	332.

416.34	41.295	331.97
416.44	41.281	331.95
416.54	41.267	331.92
416.64	41.254	331.9
416.74	41.241	331.88
416.84	41.228	331.9
416.94	41.216	331.96
417.	41.209	332.02
417.01	41.208	
417.02	41.206	332.03
417.05	41.203	332.05
417.14	41.193	332.11
417.24	41.183	332.16
417.34	41.173	332.2
417.44	41.165	332.23
417.54	41.157	332.26
417.64	41.15	332.29
417.74	41.144	332.31
417.84	41.138	332.33
417.94	41.134	332.35
418.	41.132	332.36
418.01	41.131	
418.02		
418.05	41.13	332.35
418.14	41.127	332.32
418.24	41.124	332.27
418.34	41.121	332.2
418.44	41.119	332.12
418.54	41.117	332.06
418.64	41.115	332.01
418.74	41.113	331.96
418.84	41.11	331.91
418.94	41.108	331.87
419.	41.106	331.84
419.01		
419.02	41.105	
419.05	41.104	331.83
419.14	41.101	331.8
419.24	41.098	331.77
419.34	41.093	331.74
419.44	41.089	331.72
419.54	41.083	331.7
419.64	41.077	331.67
419.74	41.071	331.65
419.84	41.063	331.63
419.94	41.056	331.6
420.	41.051	331.59
420.01	41.05	
420.02		
420.05	41.047	331.58
420.14	41.04	331.56
420.24	41.031	331.54
420.34	41.022	331.52
420.44	41.013	331.51
420.54	41.004	331.49
420.64	40.995	331.47
420.74	40.986	331.45
420.84	40.977	331.43
420.94	40.968	331.41
421.	40.963	331.4
421.01	40.962	
421.02	40.961	331.39
421.05	40.958	
421.14	40.95	331.37
421.24	40.941	331.35
421.34	40.932	331.32

421.44	40.923	331.3
421.54	40.914	331.28
421.64	40.905	331.25
421.74	40.896	331.23
421.84	40.887	331.21
421.94	40.878	331.19
422.	40.873	331.18
422.01	40.872	
422.02	40.871	
422.05	40.869	331.17
422.14	40.861	331.15
422.24	40.852	331.14
422.34	40.843	331.12
422.44	40.835	331.1
422.54	40.826	331.09
422.64	40.818	331.07
422.74	40.81	331.05
422.84	40.801	331.03
422.94	40.793	331.01
423.	40.788	331.
423.01		
423.02	40.787	330.99
423.05	40.784	
423.14	40.777	330.97
423.24	40.769	330.94
423.34	40.761	330.92
423.44	40.754	330.9
423.54	40.746	330.88
423.64	40.738	330.86
423.74	40.731	330.84
423.84	40.724	330.83
423.94	40.716	330.86
424.	40.712	330.9
424.01		330.91
424.02	40.711	330.92
424.05	40.709	330.93
424.14	40.703	330.95
424.24	40.697	330.96
424.34	40.691	
424.44	40.685	330.95
424.54	40.68	330.92
424.64	40.676	330.89
424.74	40.672	330.86
424.84	40.668	330.84
424.94	40.665	330.82
425.	40.663	330.81
425.01		330.8
425.02	40.662	
425.05		
425.14	40.659	330.78
425.24	40.656	330.76
425.34	40.654	330.74
425.44	40.651	330.72
425.54	40.648	330.7
425.64	40.645	330.68
425.74	40.641	330.66
425.84	40.637	330.64
425.94	40.633	330.62
426.	40.63	330.61
426.01		
426.02	40.629	
426.05	40.628	330.6
426.14	40.624	330.58
426.24	40.618	330.56
426.34	40.613	330.54
426.44	40.607	330.51

426.54	40.6	330.49
426.64	40.593	330.46
426.74	40.586	330.44
426.84	40.579	330.41
426.94	40.571	330.39
427.	40.567	330.38
427.01	40.566	330.37
427.02	40.565	
427.05	40.563	330.36
427.14	40.556	330.34
427.24	40.547	330.32
427.34	40.539	330.3
427.44	40.531	330.28
427.54	40.522	330.26
427.64	40.514	330.23
427.74	40.505	330.21
427.84	40.497	330.19
427.94	40.488	330.16
428.	40.483	330.14
428.01	40.482	
428.02	40.481	
428.05	40.479	330.13
428.14	40.471	330.11
428.24	40.462	330.08
428.34	40.453	330.05
428.44	40.444	330.02
428.54	40.435	329.99
428.64	40.426	329.96
428.74	40.417	329.94
428.84	40.408	329.91
428.94	40.399	329.88
429.	40.393	329.87
429.01	40.392	
429.02	40.391	
429.05	40.389	329.86
429.14	40.38	329.84
429.24	40.371	329.82
429.34	40.363	329.8
429.44	40.354	329.77
429.54	40.345	329.75
429.64	40.337	329.73
429.74	40.329	329.71
429.84	40.321	329.69
429.94	40.313	329.66
430.	40.308	329.65
430.01	40.307	
430.02		
430.05	40.304	329.64
430.14	40.297	329.61
430.24	40.29	329.59
430.34	40.282	329.56
430.44	40.274	329.53
430.54	40.266	329.51
430.64	40.258	329.48
430.74	40.251	329.45
430.84	40.243	329.43
430.94	40.235	329.4
431.	40.23	329.39
431.01	40.229	329.38
431.02	40.228	
431.05	40.226	329.37
431.14	40.219	329.35
431.24	40.211	329.33
431.34	40.203	329.3
431.44	40.195	329.28
431.54	40.187	329.26

431.64	40.18	329.24
431.74	40.173	329.22
431.84	40.165	329.2
431.94	40.159	329.17
432.	40.154	329.16
432.01		
432.02	40.153	
432.05	40.151	329.15
432.14	40.145	329.13
432.24	40.139	329.11
432.34	40.132	329.09
432.44	40.126	329.07
432.54	40.12	329.05
432.64	40.114	329.03
432.74	40.108	329.01
432.84	40.102	328.99
432.94	40.096	328.97
433.	40.093	328.95
433.01	40.092	
433.02	40.091	
433.05	40.09	328.94
433.14	40.085	328.93
433.24	40.079	328.9
433.34	40.073	328.88
433.44	40.068	328.86
433.54	40.062	328.84
433.64	40.057	328.82
433.74	40.051	328.8
433.84	40.045	328.78
433.94	40.04	328.76
434.	40.037	328.74
434.01	40.036	
434.02		
434.05	40.034	328.73
434.14	40.029	328.71
434.24	40.023	328.69
434.34	40.018	328.67
434.44	40.012	328.65
434.54	40.006	328.63
434.64	40.	328.6
434.74	39.994	328.58
434.84	39.988	328.55
434.94	39.982	328.53
435.	39.978	328.51
435.01	39.977	
435.02		328.5
435.05	39.975	
435.14	39.969	328.47
435.24	39.962	328.44
435.34	39.955	328.41
435.44	39.947	328.38
435.54	39.94	328.34
435.64	39.932	328.31
435.74	39.923	328.28
435.84	39.915	328.24
435.94	39.906	328.21
436.	39.9	328.19
436.01	39.899	
436.02		328.18
436.05	39.896	328.17
436.14	39.887	328.14
436.24	39.878	328.11
436.34	39.868	328.07
436.44	39.859	328.04
436.54	39.849	328.
436.64	39.839	327.97

436.74	39.829	327.93
436.84	39.82	327.9
436.94	39.81	327.87
437.	39.804	327.85
437.01	39.803	
437.02	39.802	
437.05	39.799	327.84
437.14	39.791	327.81
437.24	39.781	327.78
437.34	39.772	327.75
437.44	39.763	327.72
437.54	39.754	327.69
437.64	39.745	327.66
437.74	39.736	327.63
437.84	39.727	327.6
437.94	39.719	327.57
438.	39.714	327.55
438.01	39.713	
438.02	39.712	
438.05	39.709	327.54
438.14	39.702	327.51
438.24	39.693	327.47
438.34	39.685	327.44
438.44	39.676	327.4
438.54	39.667	327.37
438.64	39.658	327.33
438.74	39.649	327.3
438.84	39.64	327.26
438.94	39.631	327.22
439.	39.625	327.2
439.01	39.624	
439.02		
439.05	39.621	327.18
439.14	39.612	327.15
439.24	39.603	327.12
439.34	39.593	327.08
439.44	39.584	327.04
439.54	39.574	327.01
439.64	39.564	326.97
439.74	39.555	326.93
439.84	39.545	326.9
439.94	39.535	326.86
440.	39.53	326.84
440.01	39.529	
440.02	39.528	326.83
440.05	39.525	326.82
440.14	39.516	326.79
440.24	39.506	326.75
440.34	39.497	326.71
440.44	39.487	326.67
440.54	39.477	326.64
440.64	39.467	326.6
440.74	39.458	326.56
440.84	39.448	326.52
440.94	39.438	326.48
441.	39.432	326.46
441.01	39.431	326.45
441.02	39.43	
441.05	39.427	326.44
441.14	39.418	326.4
441.24	39.408	326.37
441.34	39.398	326.33
441.44	39.389	326.29
441.54	39.379	326.25
441.64	39.369	326.21
441.74	39.359	326.17

441.84	39.349	326.13
441.94	39.339	326.09
442.	39.334	326.07
442.01	39.333	326.06
442.02	39.332	
442.05	39.329	326.05
442.14	39.32	326.01
442.24	39.31	325.97
442.34	39.301	325.94
442.44	39.291	325.9
442.54	39.281	325.86
442.64	39.272	325.82
442.74	39.262	325.78
442.84	39.253	325.74
442.94	39.244	325.7
443.	39.238	325.68
443.01	39.237	
443.02	39.236	325.67
443.05	39.233	325.66
443.14	39.225	325.62
443.24	39.216	325.59
443.34	39.207	325.55
443.44	39.198	325.51
443.54	39.189	325.47
443.64	39.18	325.43
443.74	39.171	325.39
443.84	39.162	325.36
443.94	39.154	325.32
444.	39.148	325.3
444.01	39.147	325.29
444.02		
444.05	39.144	325.28
444.14	39.136	325.24
444.24	39.128	325.2
444.34	39.119	325.17
444.44	39.111	325.13
444.54	39.103	325.09
444.64	39.094	325.05
444.74	39.086	325.01
444.84	39.078	324.98
444.94	39.07	324.94
445.	39.065	324.92
445.01	39.064	324.91
445.02	39.063	
445.05	39.061	324.9
445.14	39.054	324.86
445.24	39.046	324.82
445.34	39.038	324.79
445.44	39.03	324.75
445.54	39.022	324.71
445.64	39.015	324.68
445.74	39.007	324.64
445.84	39.	324.61
445.94	38.993	324.57
446.	38.989	324.55
446.01	38.988	
446.02	38.987	324.54
446.05	38.985	324.53
446.14	38.979	324.5
446.24	38.973	324.47
446.34	38.966	324.44
446.44	38.96	324.41
446.54	38.954	324.38
446.64	38.948	324.35
446.74	38.943	324.32
446.84	38.938	324.29

446.94	38.932	324.26
447.	38.929	324.24
447.01		
447.02	38.928	324.23
447.05	38.927	
447.14	38.923	324.2
447.24	38.918	324.17
447.34	38.914	324.14
447.44	38.909	324.11
447.54	38.905	324.08
447.64	38.901	324.05
447.74	38.897	324.03
447.84	38.893	324.
447.94	38.889	323.97
448.	38.887	323.95
448.01		
448.02	38.886	323.94
448.05	38.885	
448.14	38.882	323.91
448.24	38.878	323.88
448.34	38.874	323.85
448.44	38.87	323.82
448.54	38.866	323.79
448.64	38.863	323.76
448.74	38.858	323.73
448.84	38.854	323.7
448.94	38.85	323.67
449.	38.848	323.65
449.01	38.847	323.64
449.02		
449.05	38.845	323.63
449.14	38.841	323.6
449.24	38.837	323.57
449.34	38.832	323.53
449.44	38.827	323.5
449.54	38.822	323.46
449.64	38.817	323.43
449.74	38.811	323.39
449.84	38.805	323.35
449.94	38.8	323.32
450.	38.796	323.29
450.01	38.795	
450.02		
450.05	38.793	323.28
450.14	38.788	323.24
450.24	38.781	323.21
450.34	38.775	323.17
450.44	38.768	323.13
450.54	38.762	323.09
450.64	38.755	323.06
450.74	38.749	323.02
450.84	38.742	322.98
450.94	38.735	322.94
451.	38.731	322.92
451.01	38.73	
451.02		322.91
451.05	38.728	322.9
451.14	38.721	322.87
451.24	38.715	322.83
451.34	38.708	322.79
451.44	38.701	322.76
451.54	38.694	322.72
451.64	38.687	322.68
451.74	38.68	322.64
451.84	38.673	322.61
451.94	38.666	322.57

452.	38.662	322.55
452.01	38.661	322.54
452.02	38.66	
452.05	38.658	322.53
452.14	38.652	322.49
452.24	38.645	322.46
452.34	38.638	322.42
452.44	38.631	322.38
452.54	38.624	322.34
452.64	38.618	322.31
452.74	38.611	322.27
452.84	38.604	322.23
452.94	38.597	322.19
453.	38.593	322.17
453.01	38.592	
453.02	38.591	322.16
453.05	38.589	322.15
453.14	38.583	322.12
453.24	38.576	322.08
453.34	38.57	322.04
453.44	38.563	322.01
453.54	38.556	321.97
453.64	38.549	321.93
453.74	38.543	321.89
453.84	38.536	321.85
453.94	38.529	321.82
454.	38.525	321.79
454.01		
454.02	38.524	
454.05	38.522	321.78
454.14	38.516	321.74
454.24	38.509	321.7
454.34	38.503	321.67
454.44	38.496	321.63
454.54	38.49	321.59
454.64	38.483	321.55
454.74	38.476	321.51
454.84	38.47	321.48
454.94	38.463	321.44
455.	38.46	321.42
455.01	38.459	321.41
455.02	38.458	
455.05	38.456	321.4
455.14	38.451	321.36
455.24	38.444	321.33
455.34	38.438	321.29
455.44	38.431	321.25
455.54	38.425	321.21
455.64	38.419	321.18
455.74	38.412	321.14
455.84	38.406	321.1
455.94	38.4	321.06
456.	38.396	321.04
456.01	38.395	
456.02		321.03
456.05	38.393	321.02
456.14	38.387	320.99
456.24	38.381	320.95
456.34	38.375	320.91
456.44	38.369	320.87
456.54	38.363	320.84
456.64	38.357	320.8
456.74	38.351	320.76
456.84	38.345	320.73
456.94	38.339	320.69
457.	38.336	

457.01	38.335	320.67
457.02		320.66
457.05	38.333	320.65
457.14	38.328	320.62
457.24	38.323	320.59
457.34	38.317	320.55
457.44	38.312	320.52
457.54	38.307	320.49
457.64	38.302	320.45
457.74	38.297	320.42
457.84	38.292	320.39
457.94	38.287	320.35
458.	38.284	320.33
458.01		
458.02	38.283	320.32
458.05	38.282	320.31
458.14	38.278	320.28
458.24	38.273	320.25
458.34	38.268	320.21
458.44	38.264	320.18
458.54	38.259	320.14
458.64	38.254	320.1
458.74	38.249	320.07
458.84	38.245	320.03
458.94	38.24	320.
459.	38.237	319.98
459.01		319.97
459.02	38.236	
459.05	38.235	319.96
459.14	38.23	319.93
459.24	38.226	319.9
459.34	38.221	319.86
459.44	38.216	319.83
459.54	38.212	319.8
459.64	38.207	319.76
459.74	38.203	319.73
459.84	38.198	319.69
459.94	38.194	319.66
460.	38.191	319.64
460.01	38.19	
460.02		319.63
460.05	38.189	319.62
460.14	38.185	319.59
460.24	38.18	319.56
460.34	38.175	319.52
460.44	38.171	319.48
460.54	38.166	319.45
460.64	38.162	319.41
460.74	38.157	319.38
460.84	38.152	319.34
460.94	38.148	319.31
461.	38.145	319.29
461.01	38.144	319.28
461.02		
461.05	38.142	319.27
461.14	38.138	319.24
461.24	38.134	319.2
461.34	38.129	319.17
461.44	38.124	319.14
461.54	38.12	319.1
461.64	38.115	319.07
461.74	38.11	319.03
461.84	38.106	319.
461.94	38.101	318.97
462.	38.098	318.95
462.01		

462.02	38.097	318.94
462.05	38.096	318.93
462.14	38.092	318.9
462.24	38.087	318.86
462.34	38.083	318.82
462.44	38.078	318.79
462.54	38.073	318.75
462.64	38.068	318.72
462.74	38.063	318.68
462.84	38.058	318.64
462.94	38.053	318.6
463.	38.05	318.58
463.01	38.049	
463.02		318.57
463.05	38.047	318.56
463.14	38.043	318.53
463.24	38.037	318.49
463.34	38.032	318.46
463.44	38.027	318.42
463.54	38.021	318.38
463.64	38.016	318.35
463.74	38.011	318.31
463.84	38.006	318.27
463.94	38.	318.24
464.	37.997	318.22
464.01		318.21
464.02	37.996	
464.05	37.995	318.2
464.14	37.99	318.17
464.24	37.985	318.13
464.34	37.98	318.1
464.44	37.975	318.07
464.54	37.97	318.03
464.64	37.966	318.
464.74	37.961	317.96
464.84	37.957	317.93
464.94	37.952	317.9
465.	37.95	317.88
465.01	37.949	
465.02		317.87
465.05	37.948	317.86
465.14	37.944	317.83
465.24	37.94	317.8
465.34	37.936	317.77
465.44	37.932	317.74
465.54	37.928	317.7
465.64	37.924	317.67
465.74	37.92	317.64
465.84	37.916	317.6
465.94	37.912	317.57
466.	37.909	317.55
466.01		
466.02	37.908	317.54
466.05	37.907	317.53
466.14	37.904	317.5
466.24	37.899	317.47
466.34	37.895	317.43
466.44	37.891	317.4
466.54	37.887	317.36
466.64	37.882	317.33
466.74	37.878	317.29
466.84	37.873	317.25
466.94	37.869	317.22
467.	37.866	317.2
467.01		317.19
467.02	37.865	

467.05	37.864	317.18
467.14	37.86	317.15
467.24	37.855	317.11
467.34	37.85	317.08
467.44	37.845	317.04
467.54	37.841	317.
467.64	37.836	316.97
467.74	37.831	316.93
467.84	37.826	316.9
467.94	37.821	316.86
468.	37.819	316.84
468.01	37.818	
468.02		
468.05	37.816	316.83
468.14	37.812	316.8
468.24	37.807	316.77
468.34	37.803	316.74
468.44	37.798	316.71
468.54	37.794	316.68
468.64	37.79	316.65
468.74	37.786	316.62
468.84	37.781	316.59
468.94	37.777	316.56
469.	37.775	316.54
469.01	37.774	
469.02		
469.05	37.773	316.53
469.14	37.769	316.5
469.24	37.765	316.47
469.34	37.762	316.44
469.44	37.758	316.41
469.54	37.754	316.38
469.64	37.75	316.35
469.74	37.746	316.32
469.84	37.743	316.29
469.94	37.739	316.26
470.	37.736	316.24
470.01		
470.02		
470.05	37.735	316.23
470.14	37.731	316.2
470.24	37.727	316.17
470.34	37.723	316.14
470.44	37.719	316.11
470.54	37.715	316.07
470.64	37.711	316.04
470.74	37.707	316.01
470.84	37.703	315.98
470.94	37.699	315.95
471.	37.696	315.93
471.01		
471.02	37.695	315.92
471.05	37.694	
471.14	37.69	315.89
471.24	37.686	315.86
471.34	37.682	315.83
471.44	37.678	315.8
471.54	37.674	315.77
471.64	37.67	315.74
471.74	37.666	315.71
471.84	37.662	315.68
471.94	37.658	315.65
472.	37.655	315.63
472.01		315.62
472.02	37.654	
472.05	37.653	315.61

472.14	37.649	315.58
472.24	37.645	315.55
472.34	37.641	315.52
472.44	37.637	315.49
472.54	37.633	315.46
472.64	37.628	315.43
472.74	37.624	315.39
472.84	37.62	315.36
472.94	37.615	315.33
473.	37.613	315.31
473.01	37.612	
473.02		
473.05	37.611	315.3
473.14	37.607	315.27
473.24	37.602	315.24
473.34	37.598	315.2
473.44	37.593	315.17
473.54	37.588	315.14
473.64	37.584	315.11
473.74	37.579	315.08
473.84	37.575	315.05
473.94	37.57	315.01
474.	37.567	314.99
474.01		
474.02	37.566	
474.05	37.565	314.98
474.14	37.561	314.95
474.24	37.556	314.92
474.34	37.552	314.89
474.44	37.547	314.85
474.54	37.542	314.82
474.64	37.538	314.79
474.74	37.533	314.76
474.84	37.528	314.73
474.94	37.524	314.69
475.	37.521	314.68
475.01	37.52	314.67
475.02		
475.05	37.518	314.66
475.14	37.514	314.63
475.24	37.51	314.6
475.34	37.505	314.57
475.44	37.5	314.53
475.54	37.495	314.5
475.64	37.491	314.47
475.74	37.486	314.44
475.84	37.481	314.4
475.94	37.476	314.37
476.	37.474	314.35
476.01	37.473	
476.02		
476.05	37.471	314.34
476.14	37.467	314.31
476.24	37.462	314.27
476.34	37.458	314.24
476.44	37.453	314.21
476.54	37.448	314.18
476.64	37.443	314.15
476.74	37.439	314.11
476.84	37.434	314.08
476.94	37.429	314.05
477.	37.426	314.03
477.01		
477.02		314.02
477.05	37.424	314.01
477.14	37.42	313.98

477.24	37.415	313.95
477.34	37.411	313.92
477.44	37.406	313.89
477.54	37.402	313.86
477.64	37.397	313.83
477.74	37.393	313.79
477.84	37.388	313.76
477.94	37.384	313.73
478.	37.381	313.71
478.01		
478.02		
478.05	37.379	313.7
478.14	37.375	313.67
478.24	37.371	313.64
478.34	37.367	313.61
478.44	37.363	313.58
478.54	37.359	313.55
478.64	37.355	313.52
478.74	37.351	313.49
478.84	37.347	313.46
478.94	37.344	313.43
479.	37.341	313.41
479.01		
479.02		313.4
479.05	37.339	313.39
479.14	37.336	313.36
479.24	37.332	313.33
479.34	37.328	313.3
479.44	37.325	313.27
479.54	37.321	313.24
479.64	37.317	313.21
479.74	37.313	313.18
479.84	37.31	313.15
479.94	37.306	313.12
480.	37.303	313.1
480.01		313.09
480.02		
480.05	37.302	313.08
480.14	37.298	313.05
480.24	37.295	313.02
480.34	37.291	312.99
480.44	37.287	312.96
480.54	37.283	312.93
480.64	37.28	312.9
480.74	37.276	312.87
480.84	37.273	312.84
480.94	37.269	312.81
481.	37.267	312.8
481.01		312.79
481.02		
481.05	37.266	312.78
481.14	37.263	312.76
481.24	37.259	312.73
481.34	37.256	312.7
481.44	37.252	312.67
481.54	37.249	312.64
481.64	37.246	312.61
481.74	37.242	312.58
481.84	37.239	312.55
481.94	37.235	312.51
482.	37.233	312.5
482.01		312.49
482.02		
482.05	37.232	312.48
482.14	37.228	312.45
482.24	37.225	312.42

482.34	37.221	312.39
482.44	37.218	312.36
482.54	37.214	312.33
482.64	37.21	312.3
482.74	37.207	312.26
482.84	37.203	312.23
482.94	37.199	312.2
483.	37.197	312.18
483.01		
483.02	37.196	
483.05	37.195	312.17
483.14	37.192	312.14
483.24	37.188	312.11
483.34	37.184	312.08
483.44	37.18	312.05
483.54	37.176	312.02
483.64	37.173	311.99
483.74	37.169	311.96
483.84	37.165	311.93
483.94	37.161	311.9
484.	37.159	311.88
484.01	37.158	311.87
484.02		
484.05	37.157	311.86
484.14	37.153	311.83
484.24	37.15	311.8
484.34	37.146	311.77
484.44	37.142	311.74
484.54	37.138	311.71
484.64	37.134	311.68
484.74	37.13	311.64
484.84	37.126	311.61
484.94	37.122	311.58
485.	37.119	311.56
485.01		
485.02		
485.05	37.117	311.55
485.14	37.114	311.52
485.24	37.11	311.49
485.34	37.105	311.45
485.44	37.101	311.42
485.54	37.097	311.39
485.64	37.093	311.36
485.74	37.089	311.33
485.84	37.084	311.29
485.94	37.08	311.26
486.	37.078	311.24
486.01	37.077	
486.02		
486.05	37.076	311.23
486.14	37.072	311.2
486.24	37.068	311.17
486.34	37.063	311.14
486.44	37.059	311.1
486.54	37.055	311.07
486.64	37.051	311.04
486.74	37.046	311.01
486.84	37.042	310.98
486.94	37.038	310.95
487.	37.036	310.93
487.01	37.035	310.92
487.02		
487.05	37.033	310.91
487.14	37.03	310.88
487.24	37.025	310.85
487.34	37.021	310.82

487.44	37.017	310.79
487.54	37.013	310.76
487.64	37.009	310.72
487.74	37.004	310.69
487.84	37.	310.66
487.94	36.996	310.63
488.	36.993	310.61
488.01		310.6
488.02	36.992	
488.05	36.991	310.59
488.14	36.987	310.56
488.24	36.983	310.53
488.34	36.979	310.5
488.44	36.974	310.47
488.54	36.97	310.43
488.64	36.966	310.4
488.74	36.961	310.37
488.84	36.957	310.34
488.94	36.952	310.3
489.	36.95	310.28
489.01	36.949	
489.02		
489.05	36.948	310.27
489.14	36.944	310.24
489.24	36.939	310.21
489.34	36.935	310.17
489.44	36.931	310.14
489.54	36.926	310.11
489.64	36.922	310.08
489.74	36.918	310.05
489.84	36.913	310.01
489.94	36.909	309.98
490.	36.907	309.96
490.01	36.906	
490.02		
490.05	36.904	309.95
490.14	36.901	309.92
490.24	36.896	309.89
490.34	36.892	309.85
490.44	36.888	309.82
490.54	36.884	309.79
490.64	36.88	309.76
490.74	36.876	309.73
490.84	36.872	309.69
490.94	36.868	309.66
491.	36.865	309.64
491.01		
491.02	36.864	
491.05	36.863	309.63
491.14	36.86	309.6
491.24	36.856	309.57
491.34	36.852	309.54
491.44	36.848	309.51
491.54	36.844	309.47
491.64	36.84	309.44
491.74	36.836	309.41
491.84	36.832	309.38
491.94	36.828	309.35
492.	36.826	309.33
492.01		
492.02	36.825	309.32
492.05	36.824	309.31
492.14	36.821	309.29
492.24	36.817	309.26
492.34	36.813	309.22
492.44	36.81	309.19

492.54	36.806	309.16
492.64	36.803	309.13
492.74	36.799	309.1
492.84	36.796	309.07
492.94	36.792	309.04
493.	36.79	309.02
493.01		
493.02	36.789	
493.05	36.788	309.01
493.14	36.785	308.98
493.24	36.782	308.95
493.34	36.779	308.92
493.44	36.776	308.89
493.54	36.773	308.87
493.64	36.77	308.84
493.74	36.767	308.81
493.84	36.764	308.78
493.94	36.761	308.75
494.	36.759	308.73
494.01		
494.02		308.72
494.05	36.758	
494.14	36.755	308.69
494.24	36.752	308.66
494.34	36.749	308.63
494.44	36.747	308.6
494.54	36.744	308.57
494.64	36.741	308.54
494.74	36.737	308.51
494.84	36.734	308.47
494.94	36.731	308.44
495.	36.729	308.42
495.01		
495.02		
495.05	36.728	308.41
495.14	36.725	308.38
495.24	36.721	308.35
495.34	36.718	308.32
495.44	36.714	308.29
495.54	36.711	308.26
495.64	36.708	308.23
495.74	36.704	308.19
495.84	36.7	308.16
495.94	36.697	308.13
496.	36.695	308.11
496.01	36.694	
496.02		
496.05	36.693	308.1
496.14	36.69	308.07
496.24	36.686	308.04
496.34	36.682	308.01
496.44	36.679	307.98
496.54	36.675	307.95
496.64	36.671	307.91
496.74	36.668	307.88
496.84	36.664	307.85
496.94	36.66	307.82
497.	36.658	307.8
497.01	36.657	
497.02		307.79
497.05	36.656	307.78
497.14	36.652	307.76
497.24	36.648	307.72
497.34	36.645	307.69
497.44	36.641	307.66
497.54	36.637	307.63

497.64	36.633	307.6
497.74	36.629	307.56
497.84	36.625	307.53
497.94	36.621	307.5
498.	36.618	307.48
498.01		
498.02	36.617	307.47
498.05	36.616	307.46
498.14	36.613	307.44
498.24	36.609	307.4
498.34	36.605	307.37
498.44	36.601	307.34
498.54	36.597	307.31
498.64	36.593	307.28
498.74	36.589	307.25
498.84	36.585	307.22
498.94	36.581	307.19
499.	36.579	307.17
499.01	36.578	307.16
499.02		
499.05	36.577	307.15
499.14	36.573	307.12
499.24	36.57	307.09
499.34	36.566	307.06
499.44	36.562	307.03
499.54	36.558	307.
499.64	36.555	306.97
499.74	36.551	306.94
499.84	36.547	306.9
499.94	36.543	306.87
500.	36.541	306.85
500.01		
500.02	36.54	
500.05	36.539	306.84
500.14	36.536	306.81
500.24	36.532	306.78
500.34	36.529	306.75
500.44	36.525	306.72
500.54	36.521	306.69
500.64	36.518	306.66
500.74	36.514	306.62
500.84	36.511	306.59
500.94	36.507	306.56
501.	36.505	306.54
501.01	36.504	
501.02		
501.05	36.503	306.53
501.14	36.5	306.5
501.24	36.496	306.47
501.34	36.493	306.44
501.44	36.489	306.41
501.54	36.485	306.38
501.64	36.482	306.34
501.74	36.478	306.31
501.84	36.475	306.28
501.94	36.471	306.25
502.	36.469	306.23
502.01	36.468	
502.02		
502.05	36.467	306.22
502.14	36.464	306.19
502.24	36.46	306.16
502.34	36.456	306.13
502.44	36.453	306.09
502.54	36.449	306.06
502.64	36.446	306.03

502.74	36.442	306.
502.84	36.438	305.97
502.94	36.434	305.94
503.	36.432	305.92
503.01		305.91
503.02		
503.05	36.43	305.9
503.14	36.427	305.87
503.24	36.423	305.84
503.34	36.42	305.81
503.44	36.416	305.78
503.54	36.413	305.75
503.64	36.409	305.72
503.74	36.405	305.69
503.84	36.402	305.66
503.94	36.398	305.63
504.	36.396	305.61
504.01		
504.02	36.395	305.6
504.05	36.394	305.59
504.14	36.391	305.57
504.24	36.388	305.54
504.34	36.384	305.5
504.44	36.381	305.47
504.54	36.378	305.44
504.64	36.374	305.41
504.74	36.371	305.38
504.84	36.368	305.35
504.94	36.364	305.32
505.	36.362	305.3
505.01		
505.02		
505.05	36.361	305.29
505.14	36.358	305.26
505.24	36.355	305.23
505.34	36.352	305.2
505.44	36.348	305.17
505.54	36.345	305.14
505.64	36.342	305.11
505.74	36.339	305.08
505.84	36.336	305.05
505.94	36.332	305.02
506.	36.33	305.
506.01		
506.02		
506.05	36.329	304.99
506.14	36.326	304.96
506.24	36.323	304.93
506.34	36.32	304.9
506.44	36.317	304.87
506.54	36.313	304.84
506.64	36.31	304.81
506.74	36.307	304.78
506.84	36.304	304.75
506.94	36.301	304.72
507.	36.299	304.7
507.01	36.298	304.69
507.02		
507.05	36.297	304.68
507.14	36.294	304.65
507.24	36.291	304.62
507.34	36.288	304.59
507.44	36.285	304.56
507.54	36.281	304.53
507.64	36.278	304.5
507.74	36.275	304.47

507.84	36.272	304.44
507.94	36.269	304.41
508.	36.267	304.39
508.01	36.266	
508.02		
508.05	36.265	304.38
508.14	36.262	304.35
508.24	36.259	304.32
508.34	36.256	304.29
508.44	36.253	304.26
508.54	36.25	304.23
508.64	36.246	304.2
508.74	36.243	304.17
508.84	36.24	304.14
508.94	36.237	304.11
509.	36.235	304.09
509.01		
509.02		
509.05	36.234	304.08
509.14	36.231	304.05
509.24	36.228	304.02
509.34	36.225	303.99
509.44	36.221	303.96
509.54	36.218	303.93
509.64	36.215	303.9
509.74	36.212	303.87
509.84	36.209	303.84
509.94	36.206	303.81
510.	36.204	303.79
510.01		
510.02	36.203	
510.05		303.78
510.14	36.2	303.75
510.24	36.197	303.72
510.34	36.194	303.69
510.44	36.19	303.66
510.54	36.187	303.63
510.64	36.184	303.6
510.74	36.181	303.57
510.84	36.178	303.54
510.94	36.175	303.51
511.	36.173	303.49
511.01		
511.02	36.172	
511.05		303.48
511.14	36.169	303.45
511.24	36.166	303.42
511.34	36.163	303.39
511.44	36.159	303.36
511.54	36.156	303.33
511.64	36.153	303.3
511.74	36.15	303.27
511.84	36.147	303.24
511.94	36.144	303.21
512.	36.142	303.19
512.01		
512.02	36.141	
512.05	36.14	303.18
512.14	36.138	303.15
512.24	36.134	303.12
512.34	36.131	303.09
512.44	36.128	303.06
512.54	36.125	303.03
512.64	36.122	303.
512.74	36.119	302.97
512.84	36.115	302.94

512.94	36.112	302.91
513.	36.11	302.89
513.01		
513.02		
513.05	36.109	302.88
513.14	36.106	302.85
513.24	36.102	302.82
513.34	36.099	302.79
513.44	36.096	302.76
513.54	36.092	302.73
513.64	36.089	302.7
513.74	36.086	302.67
513.84	36.082	302.64
513.94	36.079	302.6
514.	36.077	302.59
514.01		302.58
514.02	36.076	
514.05	36.075	302.57
514.14	36.072	302.54
514.24	36.069	302.51
514.34	36.065	302.48
514.44	36.062	302.45
514.54	36.058	302.42
514.64	36.055	302.39
514.74	36.051	302.36
514.84	36.048	302.33
514.94	36.045	302.3
515.	36.042	302.28
515.01		
515.02		302.27
515.05	36.041	302.26
515.14	36.038	302.24
515.24	36.034	302.21
515.34	36.031	302.17
515.44	36.027	302.14
515.54	36.024	302.11
515.64	36.02	302.08
515.74	36.017	302.05
515.84	36.013	302.02
515.94	36.01	301.99
516.	36.008	301.97
516.01	36.007	
516.02		
516.05	36.006	301.96
516.14	36.003	301.93
516.24	35.999	301.9
516.34	35.996	301.87
516.44	35.992	301.84
516.54	35.989	301.81
516.64	35.986	301.78
516.74	35.982	301.75
516.84	35.979	301.72
516.94	35.975	301.69
517.	35.973	301.67
517.01		301.66
517.02		
517.05	35.972	301.65
517.14	35.968	301.62
517.24	35.965	301.59
517.34	35.962	301.56
517.44	35.958	301.53
517.54	35.955	301.5
517.64	35.951	301.47
517.74	35.948	301.44
517.84	35.944	301.41
517.94	35.941	301.38

518.	35.939	301.36
518.01	35.938	
518.02		301.35
518.05	35.937	301.34
518.14	35.934	301.32
518.24	35.93	301.29
518.34	35.927	301.26
518.44	35.924	301.22
518.54	35.92	301.19
518.64	35.917	301.16
518.74	35.913	301.13
518.84	35.91	301.1
518.94	35.907	301.07
519.	35.905	301.05
519.01	35.904	
519.02		
519.05	35.903	301.04
519.14	35.9	301.01
519.24	35.897	300.98
519.34	35.893	300.95
519.44	35.89	300.92
519.54	35.886	300.89
519.64	35.883	300.86
519.74	35.88	300.83
519.84	35.876	300.8
519.94	35.873	300.77
520.	35.871	300.75
520.01		300.74
520.02	35.87	
520.05	35.869	300.73
520.14	35.866	300.7
520.24	35.863	300.67
520.34	35.859	300.64
520.44	35.856	300.61
520.54	35.853	300.58
520.64	35.849	300.55
520.74	35.846	300.52
520.84	35.842	300.49
520.94	35.839	300.46
521.	35.836	300.44
521.01		300.43
521.02		
521.05	35.835	300.42
521.14	35.832	300.39
521.24	35.828	300.36
521.34	35.824	300.33
521.44	35.821	300.3
521.54	35.817	300.27
521.64	35.814	300.24
521.74	35.81	300.21
521.84	35.807	300.17
521.94	35.803	300.14
522.	35.801	300.12
522.01		
522.02	35.8	
522.05	35.799	300.11
522.14	35.796	300.08
522.24	35.792	300.05
522.34	35.789	300.02
522.44	35.785	299.99
522.54	35.781	299.95
522.64	35.778	299.92
522.74	35.774	299.89
522.84	35.77	299.86
522.94	35.767	299.83
523.		

523.01	35.764	299.81
523.02		299.8
523.05	35.763	299.79
523.14	35.759	299.77
523.24	35.756	299.73
523.34	35.752	299.7
523.44	35.748	299.67
523.54	35.745	299.64
523.64	35.741	299.61
523.74	35.737	299.58
523.84	35.734	299.54
523.94	35.73	299.51
524.	35.728	299.49
524.01	35.727	
524.02		
524.05	35.726	299.48
524.14	35.723	299.45
524.24	35.719	299.42
524.34	35.715	299.39
524.44	35.712	299.36
524.54	35.708	299.33
524.64	35.705	299.3
524.74	35.701	299.27
524.84	35.698	299.23
524.94	35.695	299.2
525.	35.693	299.19
525.01	35.692	299.18
525.02		
525.05	35.691	299.17
525.14	35.688	299.14
525.24	35.685	299.11
525.34	35.682	299.08
525.44	35.678	299.05
525.54	35.675	299.02
525.64	35.672	298.99
525.74	35.669	298.96
525.84	35.666	298.93
525.94	35.663	298.9
526.	35.661	298.88
526.01		
526.02	35.66	
526.05	35.659	298.87
526.14	35.657	298.84
526.24	35.654	298.81
526.34	35.651	298.78
526.44	35.647	298.75
526.54	35.644	298.72
526.64	35.641	298.69
526.74	35.638	298.66
526.84	35.635	298.63
526.94	35.632	298.6
527.	35.63	298.58
527.01		
527.02		298.57
527.05	35.629	298.56
527.14	35.626	298.54
527.24	35.623	298.51
527.34	35.62	298.47
527.44	35.617	298.44
527.54	35.614	298.41
527.64	35.611	298.38
527.74	35.607	298.35
527.84	35.604	298.32
527.94	35.601	298.29
528.	35.599	298.27
528.01		

528.02	35.598	
528.05	35.597	298.26
528.14	35.595	298.23
528.24	35.591	298.2
528.34	35.588	298.17
528.44	35.585	298.14
528.54	35.582	298.11
528.64	35.579	298.08
528.74	35.575	298.04
528.84	35.572	298.01
528.94	35.569	297.98
529.	35.567	297.96
529.01		
529.02	35.566	
529.05	35.565	297.95
529.14	35.563	297.92
529.24	35.559	297.89
529.34	35.556	297.86
529.44	35.553	297.83
529.54	35.55	297.8
529.64	35.547	297.77
529.74	35.543	297.74
529.84	35.54	297.71
529.94	35.537	297.68
530.	35.535	297.66
530.01		
530.02	35.534	297.65
530.05	35.533	297.64
530.14	35.531	297.62
530.24	35.528	297.59
530.34	35.524	297.56
530.44	35.521	297.53
530.54	35.518	297.5
530.64	35.515	297.46
530.74	35.512	297.43
530.84	35.509	297.4
530.94	35.506	297.37
531.	35.504	297.36
531.01		297.35
531.02	35.503	
531.05	35.502	297.34
531.14	35.5	297.31
531.24	35.497	297.28
531.34	35.494	297.25
531.44	35.491	297.22
531.54	35.488	297.19
531.64	35.485	297.16
531.74	35.482	297.13
531.84	35.479	297.1
531.94	35.476	297.07
532.	35.474	297.05
532.01	35.473	
532.02		
532.05	35.472	297.04
532.14	35.47	297.01
532.24	35.467	296.98
532.34	35.464	296.95
532.44	35.461	296.92
532.54	35.458	296.89
532.64	35.455	296.86
532.74	35.452	296.83
532.84	35.449	296.8
532.94	35.446	296.77
533.	35.445	296.76
533.01	35.444	296.75
533.02		

533.05	35.443	296.74
533.14	35.441	296.71
533.24	35.438	296.68
533.34	35.435	296.66
533.44	35.432	296.63
533.54	35.43	296.6
533.64	35.427	296.57
533.74	35.424	296.54
533.84	35.421	296.51
533.94	35.418	296.48
534.	35.417	296.46
534.01	35.416	
534.02		296.45
534.05	35.415	296.44
534.14	35.413	296.42
534.24	35.41	296.39
534.34	35.407	296.36
534.44	35.404	296.33
534.54	35.402	296.3
534.64	35.399	296.27
534.74	35.396	296.24
534.84	35.393	296.21
534.94	35.39	296.18
535.	35.388	296.16
535.01		
535.02		296.15
535.05	35.387	296.14
535.14	35.384	296.12
535.24	35.381	296.09
535.34	35.378	296.06
535.44	35.376	296.03
535.54	35.373	296.
535.64	35.37	295.97
535.74	35.367	295.94
535.84	35.364	295.91
535.94	35.361	295.88
536.	35.359	295.86
536.01		
536.02		295.85
536.05	35.358	
536.14	35.355	295.82
536.24	35.352	295.79
536.34	35.349	295.76
536.44	35.346	295.73
536.54	35.343	295.7
536.64	35.34	295.67
536.74	35.338	295.64
536.84	35.335	295.61
536.94	35.332	295.58
537.	35.33	295.56
537.01		
537.02		
537.05	35.329	295.55
537.14	35.326	295.52
537.24	35.323	295.49
537.34	35.32	295.46
537.44	35.318	295.43
537.54	35.315	295.41
537.64	35.312	295.38
537.74	35.309	295.35
537.84	35.306	295.32
537.94	35.304	295.29
538.	35.302	295.27
538.01		
538.02		295.26
538.05	35.301	

538.14	35.298	295.23
538.24	35.296	295.2
538.34	35.293	295.17
538.44	35.29	295.14
538.54	35.287	295.11
538.64	35.285	295.08
538.74	35.282	295.05
538.84	35.279	295.02
538.94	35.277	295.
539.	35.275	294.98
539.01		
539.02	35.274	294.97
539.05		294.96
539.14	35.271	294.94
539.24	35.269	294.91
539.34	35.266	294.88
539.44	35.263	294.85
539.54	35.261	294.82
539.64	35.258	294.79
539.74	35.256	294.76
539.84	35.253	294.74
539.94	35.25	294.71
540.	35.249	294.69
540.01		
540.02	35.248	294.68
540.05	35.247	
540.14	35.245	294.65
540.24	35.243	294.62
540.34	35.24	294.59
540.44	35.237	294.56
540.54	35.235	294.53
540.64	35.232	294.5
540.74	35.23	294.48
540.84	35.227	294.45
540.94	35.224	294.42
541.	35.222	294.4
541.01		
541.02		294.39
541.05	35.221	294.38
541.14	35.219	294.36
541.24	35.216	294.33
541.34	35.213	294.3
541.44	35.21	294.27
541.54	35.207	294.24
541.64	35.204	294.21
541.74	35.201	294.18
541.84	35.198	294.15
541.94	35.195	294.12
542.	35.193	294.1
542.01		294.09
542.02		
542.05	35.192	294.08
542.14	35.189	294.06
542.24	35.186	294.02
542.34	35.183	293.99
542.44	35.18	293.96
542.54	35.176	293.93
542.64	35.173	293.9
542.74	35.17	293.87
542.84	35.167	293.84
542.94	35.164	293.81
543.	35.162	293.8
543.01	35.161	293.79
543.02		
543.05	35.16	293.78
543.14	35.157	293.75

543.24	35.154	293.72
543.34	35.151	293.69
543.44	35.148	293.66
543.54	35.145	293.63
543.64	35.141	293.6
543.74	35.138	293.57
543.84	35.135	293.54
543.94	35.132	293.51
544.	35.13	293.5
544.01		293.49
544.02	35.129	
544.05		293.48
544.14	35.126	293.45
544.24	35.123	293.42
544.34	35.12	293.39
544.44	35.116	293.36
544.54	35.113	293.33
544.64	35.11	293.3
544.74	35.107	293.27
544.84	35.104	293.24
544.94	35.101	293.21
545.	35.099	293.2
545.01		293.19
545.02	35.098	
545.05	35.097	293.18
545.14	35.095	293.15
545.24	35.091	293.12
545.34	35.088	293.09
545.44	35.085	293.06
545.54	35.082	293.03
545.64	35.079	293.
545.74	35.076	292.97
545.84	35.073	292.94
545.94	35.07	292.91
546.	35.068	292.9
546.01	35.067	292.89
546.02		
546.05	35.066	292.88
546.14	35.063	292.85
546.24	35.06	292.82
546.34	35.057	292.8
546.44	35.054	292.77
546.54	35.051	292.74
546.64	35.048	292.71
546.74	35.045	292.68
546.84	35.042	292.65
546.94	35.039	292.62
547.	35.038	292.6
547.01	35.037	
547.02		292.59
547.05	35.036	
547.14	35.033	292.56
547.24	35.031	292.53
547.34	35.028	292.5
547.44	35.025	292.47
547.54	35.022	292.44
547.64	35.019	292.41
547.74	35.016	292.38
547.84	35.013	292.35
547.94	35.011	292.32
548.	35.009	292.31
548.01		292.3
548.02	35.008	
548.05	35.007	292.29
548.14	35.005	292.27
548.24	35.002	292.24

548.34	34.999	292.21
548.44	34.996	292.18
548.54	34.994	292.15
548.64	34.991	292.12
548.74	34.988	292.09
548.84	34.985	292.06
548.94	34.983	292.03
549.	34.981	292.01
549.01		
549.02	34.98	
549.05		292.
549.14	34.977	291.97
549.24	34.974	291.94
549.34	34.972	291.91
549.44	34.969	291.89
549.54	34.966	291.86
549.64	34.963	291.83
549.74	34.961	291.8
549.84	34.958	291.77
549.94	34.955	291.74
550.	34.954	291.72
550.01	34.953	
550.02		
550.05	34.952	291.71
550.14	34.95	291.68
550.24	34.947	291.65
550.34	34.945	291.63
550.44	34.942	291.6
550.54	34.939	291.57
550.64	34.937	291.54
550.74	34.934	291.51
550.84	34.932	291.48
550.94	34.929	291.45
551.	34.927	291.44
551.01		291.43
551.02		
551.05	34.926	291.42
551.14	34.924	291.39
551.24	34.921	291.37
551.34	34.918	291.34
551.44	34.916	291.31
551.54	34.913	291.28
551.64	34.911	291.25
551.74	34.908	291.22
551.84	34.905	291.19
551.94	34.903	291.16
552.	34.901	291.15
552.01		291.14
552.02	34.9	
552.05		291.13
552.14	34.897	291.1
552.24	34.895	291.08
552.34	34.892	291.05
552.44	34.889	291.02
552.54	34.887	290.99
552.64	34.884	290.96
552.74	34.881	290.93
552.84	34.879	290.9
552.94	34.876	290.87
553.	34.874	290.86
553.01		290.85
553.02		
553.05	34.873	290.84
553.14	34.871	290.82
553.24	34.868	290.79
553.34	34.865	290.76

553.44	34.863	290.73
553.54	34.86	290.7
553.64	34.857	290.67
553.74	34.855	290.64
553.84	34.852	290.61
553.94	34.849	290.59
554.	34.848	290.57
554.01		
554.02	34.847	290.56
554.05	34.846	290.55
554.14	34.844	290.53
554.24	34.841	290.5
554.34	34.839	290.47
554.44	34.836	290.44
554.54	34.834	290.41
554.64	34.831	290.39
554.74	34.828	290.36
554.84	34.826	290.33
554.94	34.823	290.3
555.	34.821	290.28
555.01		
555.02		
555.05	34.82	290.27
555.14	34.818	290.24
555.24	34.815	290.21
555.34	34.812	290.18
555.44	34.81	290.16
555.54	34.807	290.13
555.64	34.805	290.1
555.74	34.802	290.07
555.84	34.799	290.04
555.94	34.797	290.01
556.	34.795	290.
556.01		289.99
556.02		
556.05	34.794	289.98
556.14	34.792	289.96
556.24	34.789	289.93
556.34	34.787	289.9
556.44	34.784	289.87
556.54	34.782	289.85
556.64	34.779	289.82
556.74	34.777	289.79
556.84	34.775	289.76
556.94	34.772	289.74
557.	34.771	289.72
557.01		
557.02		289.71
557.05	34.77	
557.14	34.768	289.68
557.24	34.766	289.65
557.34	34.763	289.63
557.44	34.761	289.6
557.54	34.759	289.57
557.64	34.757	289.54
557.74	34.755	289.52
557.84	34.752	289.49
557.94	34.75	289.46
558.	34.749	289.45
558.01		289.44
558.02	34.748	
558.05		289.43
558.14	34.746	289.41
558.24	34.744	289.38
558.34	34.742	289.35
558.44	34.739	289.33

558.54	34.737	289.3
558.64	34.735	289.27
558.74	34.733	289.24
558.84	34.731	289.22
558.94	34.729	289.19
559.	34.727	289.17
559.01		
559.02		
559.05	34.726	289.16
559.14	34.724	289.13
559.24	34.722	289.11
559.34	34.72	289.08
559.44	34.718	289.05
559.54	34.716	289.03
559.64	34.714	289.
559.74	34.712	288.97
559.84	34.709	288.94
559.94	34.707	288.92
560.	34.706	288.9
560.4	34.697	288.79
560.8	34.688	288.68
562.	34.661	288.36
565.6	34.575	287.39
569.6	34.478	286.33
573.6	34.38	285.27
577.6	34.284	284.22
581.6	34.188	283.18
585.6	34.094	282.15
589.6	34.	281.12
593.6	33.907	280.1
597.6	33.816	279.09
600.	33.763	278.48
606.	33.627	276.99
612.	33.494	275.53
630.	33.093	271.36
684.	32.149	259.64
738.	31.294	248.77
798.	30.453	237.64
858.	29.708	227.39
918.	29.045	217.84
978.	28.451	208.96
1038.	27.918	200.65
1098.	27.437	192.86
1158.	27.	185.55
1200.	26.716	180.65
1212.	26.631	179.27
1224.	26.549	177.9
1260.	26.333	173.94
1296.	26.124	170.12
1404.	25.583	159.72
1512.	25.116	150.25
1632.	24.67	140.71
1752.	24.283	132.05
1872.	23.947	124.13
1992.	23.654	116.87
2112.	23.399	110.19
2232.	23.175	104.04
2352.	22.978	98.362
2400.	22.904	96.161
2412.	22.884	95.617
2424.	22.865	95.077
2460.	22.809	93.503
2568.	22.674	89.066
2676.	22.55	84.921
2796.	22.428	80.648
2916.	22.32	76.676

3036.	22.225	72.98
3156.	22.141	69.538
3276.	22.067	66.329
3396.	22.001	63.336
3516.	21.943	60.541
3600.	21.907	58.676
3612.	21.902	58.412
3624.	21.896	58.15
3660.	21.879	57.382
3768.	21.842	55.774
3876.	21.807	54.491
3996.	21.773	53.138
4116.	21.743	51.854
4236.	21.717	50.635
4356.	21.694	49.505
4476.	21.675	48.535
4596.	21.658	47.607
4716.	21.644	46.717
4800.	21.635	46.113
4812.	21.634	46.027
4824.	21.633	45.942
4860.	21.628	45.688
4968.	21.621	44.957
5076.	21.614	44.253
5196.	21.607	43.562
5316.	21.602	42.928
5436.	21.598	42.315
5556.	21.596	41.724
5676.	21.594	41.151
5796.		40.598
5916.		40.063
6000.		39.697
6012.		39.645
6024.		39.593
6060.		39.439
6168.	21.596	38.99
6276.	21.598	38.553
6396.	21.601	38.084
6516.	21.605	37.629
6636.	21.608	37.189
6756.	21.612	36.762
6876.	21.617	36.348
6996.	21.621	35.947
7116.	21.626	35.558
7200.	21.63	35.292

Material Data

Drum Contents

TABLE 32
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 33
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 34
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 35
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 36
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 37
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 38
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 39
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 40
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 41
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 42
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 43
Room Steel > Constants

Density	7854 kg m^-3

TABLE 44
Room Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85

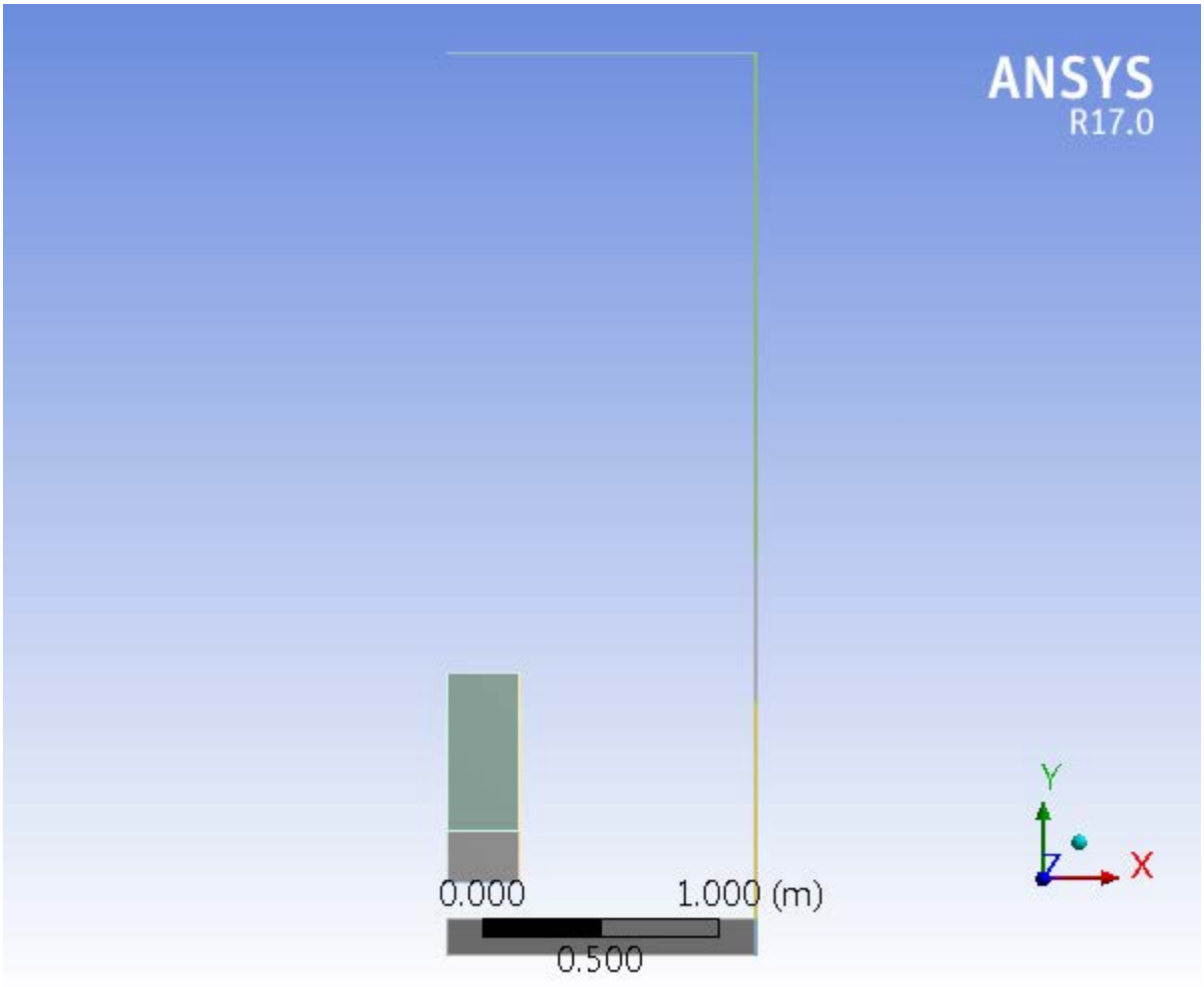
56.7	126.85
48	326.85

TABLE 45
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh - No SWB - Cable Fire Flux
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, July 29, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (X4)

Geometry

TABLE 2
Model (X4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	F:\WIPP\Permacon Final\2-D_files\dp0\SYS-27\DM\SYS-27.agdb
Type	DesignModeler
Length Unit	Meters

Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	
Volume	N/A
Mass	N/A
Surface Area(approx.)	0.5021 m²
Scale Factor Value	1.
Statistics	
Bodies	15
Active Bodies	15
Nodes	29779
Elements	9408
Mesh Metric	None
Basic Geometry Options	
Solid Bodies	Yes
Surface Bodies	Yes
Line Bodies	Yes
Parameters	Yes
Parameter Key	
Attributes	Yes
Attribute Key	
Named Selections	Yes
Named Selection Key	
Material Properties	Yes
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	Yes
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	Yes
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Mixed Import Resolution	None
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (X4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										

Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		2.1272 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										
Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area(approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	1.3508e-002 m²
Statistics											
Nodes	4661	1013	133	613	15301	2013	1013	133	1301	213	1413
Elements	1500	300	36	180	5000	600	300	36	400	60	420
Mesh Metric	None										
CAD Attributes											
DMSheetThickness	0										

TABLE 4
Model (X4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed			
Graphics Properties				
Visible	Yes			
Transparency	1			
Definition				
Suppressed	No			
Stiffness Behavior	Flexible			

Coordinate System	Default Coordinate System			
Reference Temperature	By Environment			
Behavior	None			
Material				
Assignment	Room Steel			
Nonlinear Effects	Yes			
Thermal Strain Effects	Yes			
Bounding Box				
Length X	6.35e-003 m	1.3035 m	6.35e-003 m	
Length Y	6.35e-003 m		0.9144 m	0.6096 m
Properties				
Volume	N/A			
Mass	N/A			
Centroid X	N/A			
Centroid Y	N/A			
Centroid Z	N/A			
Moment of Inertia Ip1	N/A			
Moment of Inertia Ip2	N/A			
Moment of Inertia Ip3	N/A			
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²	5.8064e-003 m²	3.871e-003 m²
Statistics				
Nodes	133	813	613	413
Elements	36	240	180	120
Mesh Metric	None			
CAD Attributes				
DMSheetThickness	0			

Coordinate Systems

TABLE 5
Model (X4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m
Origin Y	0. m
Directional Vectors	
X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (X4) > Connections

Object Name	*Connections*

State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (X4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.e-005 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	16
Active Connections	16

TABLE 8
Model (X4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										
Target Bodies	Surface Body										
Shell Thickness Effect	No										
Definition											
Type	Bonded										
Scope Mode	Automatic										
Behavior	Program Controlled										
Trim Contact	Program Controlled										

Trim Tolerance	1.e-005 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (X4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 13*	*Contact Region 14*	*Contact Region 15*	*Contact Region 16*	*Contact Region 17*
State	Fully Defined				
Scope					
Scoping Method	Geometry Selection				
Contact	1 Edge				
Target	1 Edge				
Contact Bodies	Surface Body				
Target Bodies	Surface Body				
Shell Thickness Effect	No				
Definition					
Type	Bonded				
Scope Mode	Automatic				
Behavior	Program Controlled				
Trim Contact	Program Controlled				
Trim Tolerance	1.e-005 m				
Suppressed	No				
Advanced					
Formulation	Program Controlled				
Detection Method	Program Controlled				
Elastic Slip Tolerance	Program Controlled				
Thermal Conductance	Program Controlled				
Pinball Region	Program Controlled				
Geometric Modification					
Contact Geometry Correction	None				

Target Geometry Correction	None

Mesh

TABLE 10
Model (X4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition
Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No

Statistics	
Nodes	29779
Elements	9408
Mesh Metric	None

TABLE 11
Model (X4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 8*	*Edge Sizing 9*	*Edge Sizing 10*	*Edge Sizing 11*
State	Fully Defined										
Scope											
Scoping Method	Named Selection										
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Vertical Wall 1	Steel Roof	Steel Vertical Wall 2	Steel Verical Wall 3
Definition											
Suppressed	No										
Type	Number of Divisions										
Number of Divisions	6	50	30	100	10	50	6	70	40	20	30
Behavior	Hard									Soft	Hard
Bias Type	No Bias										

TABLE 12
Model (X4) > Mesh > Mesh Controls

Object Name	*Face Meshing*
State	Fully Defined
Scope	
Scoping Method	Geometry Selection
Geometry	15 Faces
Definition	
Suppressed	No
Mapped Mesh	Yes
Method	Quadrilaterals
Constrain Boundary	No
Advanced	
Specified Sides	No Selection
Specified Corners	No Selection
Specified Ends	No Selection

Named Selections

TABLE 13
Model (X4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content*	*Drum Air*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Roof*	*Steel Vertical Wall 1*	*Steel Vertical Wall 2*	*Steel Verical Wall 3*

		Vertical Line	*Vertical Line*								
State	Fully Defined										
Scope											
Scoping Method	Worksheet				Geometry Selection	Worksheet			Geometry Selection		
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	14 Edges	4 Edges	2 Edges		
Definition											
Send to Solver	Yes										
Visible	Yes										
Program Controlled Inflation	Exclude										
Statistics											
Type	Manual										
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	14 Edges	4 Edges	2 Edges		
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	8.89e-002 m	5.2141 m	4.2545 m	1.2192 m	1.8288 m
Suppressed	0										
Used by Mesh Worksheet	No										
Tolerance											
Tolerance Type	Program Controlled					Program Controlled					
Zero Tolerance	1.e-008					1.e-008					
Relative Tolerance	1.e-003					1.e-003					

Transient Thermal (X5)

TABLE 14
Model (X4) > Analysis

Object Name	*Transient Thermal (X5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 15
Model (X4) > Transient Thermal (X5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined

Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 16
Model (X4) > Transient Thermal (X5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	524.
Current Step Number	1.
Step End Time	2. s
Auto Time Stepping	Program Controlled
Initial Time Step	2.e-002 s
Minimum Time Step	2.e-003 s
Maximum Time Step	0.2 s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	400.
Axisymmetry Divisions	120.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	F:\WIPP\Permacon Final\2-D_files\dp0\SYS-32\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System
Solver Unit System	mks

TABLE 17
Model (X4) > Transient Thermal (X5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s	2.e-002 s	2.e-003 s	0.2 s
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			
12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s			
43	86. s			
44	88. s			
45	90. s			

46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72	144. s			
73	146. s			
74	148. s			
75	150. s			
76	151. s	1.e-002 s	1.e-003 s	0.1 s
77	152. s			
78	153. s			
79	154. s			
80	155. s			
81	156. s			
82	157. s			
83	158. s			
84	159. s			
85	160. s			
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88	163. s			
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91	166. s			
92	167. s			
93	168. s			

94	169. s			
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96	171. s			
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98	173. s			
99	174. s			
100	175. s			
101	176. s			
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106	181. s			
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116	191. s			
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133	208. s			
134	209. s			
135	210. s			
136	211. s			
137	212. s			
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139	214. s			
140	215. s			
141	216. s			

142	217. s			
143	218. s			
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145	220. s			
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162	237. s			
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207	282. s			
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210	285. s			
211	286. s			
212	287. s			
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237	312. s			

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276	351. s			
277	352. s			
278	353. s			
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280	355. s			
281	356. s			
282	357. s			
283	358. s			
284	359. s			
285	360. s			

286	361. s			
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288	363. s			
289	364. s			
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427	502. s			
428	503. s			
429	504. s			

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455	530. s			
456	531. s			
457	532. s			
458	533. s			
459	534. s			
460	535. s			
461	536. s			
462	537. s			
463	538. s			
464	539. s			
465	540. s			
466	541. s			
467	542. s			
468	543. s			
469	544. s			
470	545. s			
471	546. s			
472	547. s			
473	548. s			
474	549. s			
475	550. s			
476	551. s			
477	552. s			

478	553. s			
479	554. s			
480	555. s			
481	560. s	5.e-002 s	5.e-003 s	0.5 s
482	565. s			
483	570. s			
484	575. s			
485	580. s			
486	585. s			
487	590. s			
488	595. s			
489	600. s			
490	700. s	1. s	0.1 s	10. s
491	800. s			
492	900. s			
493	1000. s			
494	1200. s	2. s	0.2 s	20. s
495	1400. s			
496	1600. s			
497	1800. s			
498	2000. s			
499	2200. s			
500	2400. s			
501	2600. s			
502	2800. s			
503	3000. s			
504	3200. s			
505	3400. s			
506	3600. s			
507	3800. s			
508	4000. s			
509	4200. s			
510	4400. s			
511	4600. s			
512	4800. s			
513	5000. s			
514	5200. s			
515	5400. s			
516	5600. s			
517	5800. s			
518	6000. s			
519	6200. s			
520	6400. s			
521	6600. s			
522	6800. s			
523	7000. s			
524	7200. s			

TABLE 18
Model (X4) > Transient Thermal (X5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*	*Heat Flux 2*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Geometry	1 Edge	2 Edges	1 Edge	4 Edges	3 Edges	2 Edges	1 Edge	7 Edges		5 Edges	1 Edge
Definition											
Type	Temperature	Radiation						Convection	Heat Flux	Radiation	Heat Flux
Magnitude	22.25 °C (step applied)								Tabular Data		Tabular Data
Suppressed	No										
Correlation		Surface to Surface								To Ambient	
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			1. (step applied)	
Enclosure		1.									
Enclosure Type		Perfect									
Film Coefficient								Tabular Data			
Ambient Temperature								Tabular Data		16.85 °C (step applied)	
Convection Matrix								Program Controlled			
Edit Data For								Film Coefficient			
Tabular Data											
Independent Variable								Time			

FIGURE 1
Model (X4) > Transient Thermal (X5) > Temperature

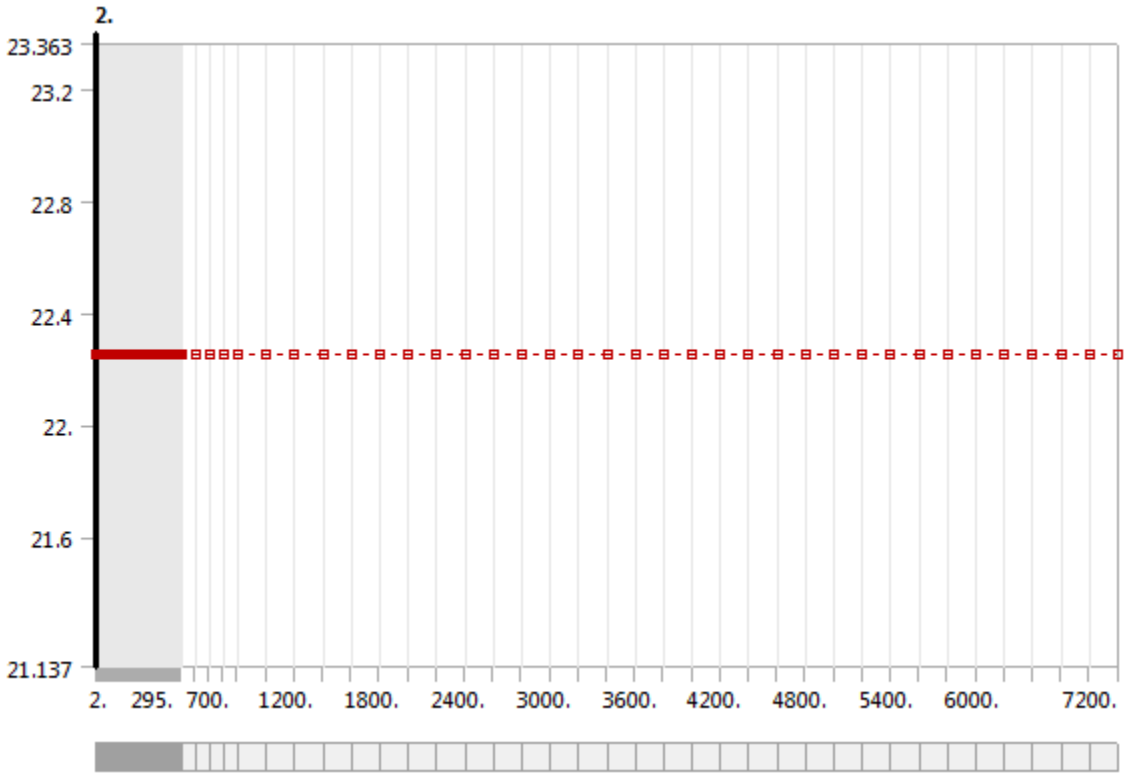

FIGURE 2
Model (X4) > Transient Thermal (X5) > Radiation 2

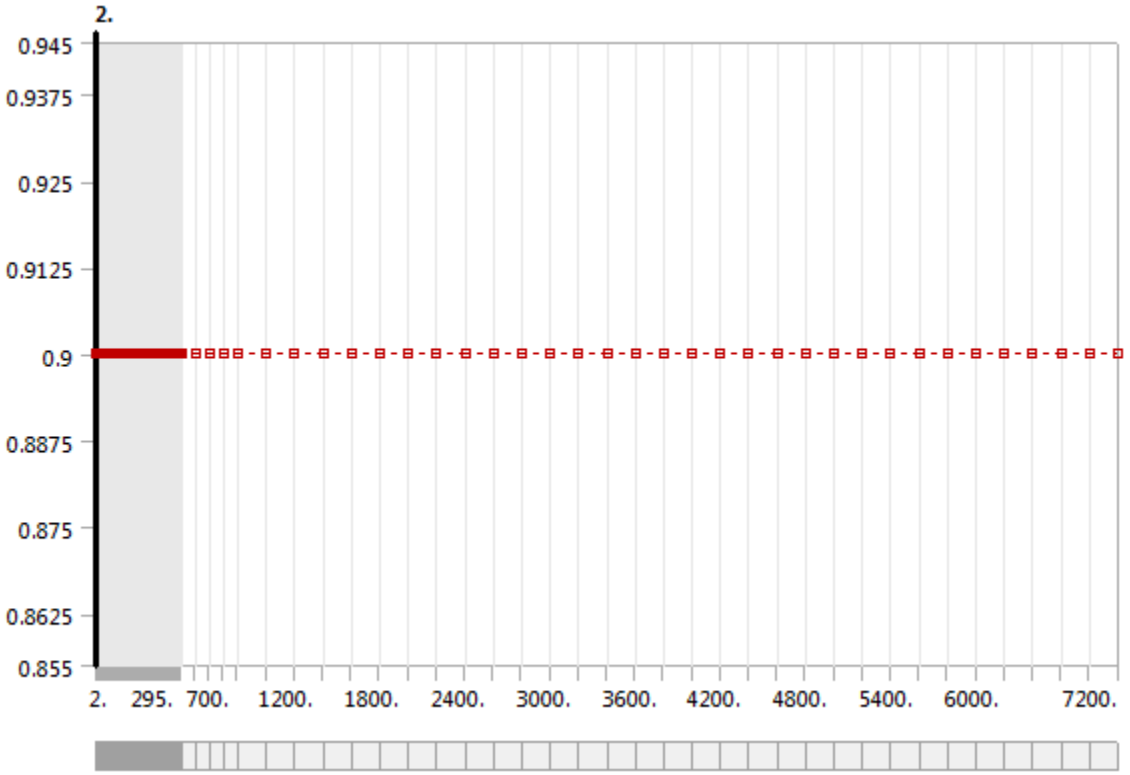

FIGURE 3
Model (X4) > Transient Thermal (X5) > Radiation 3

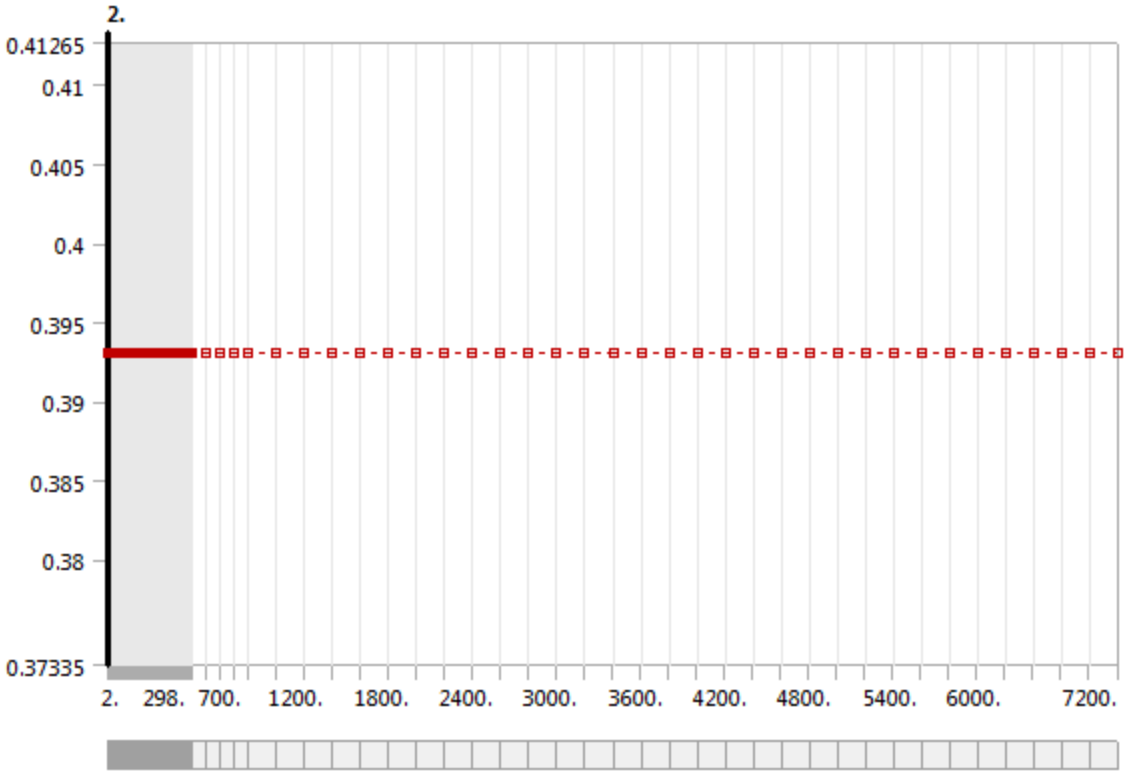

FIGURE 4
Model (X4) > Transient Thermal (X5) > Radiation 4

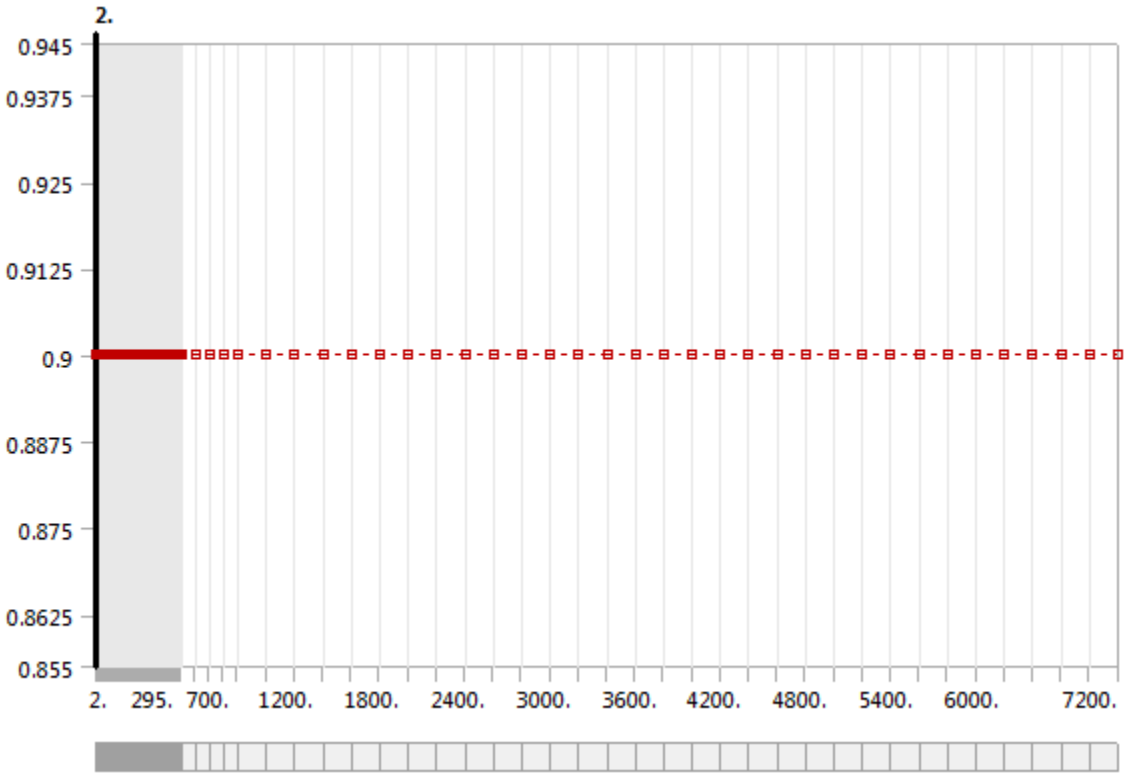

FIGURE 5
Model (X4) > Transient Thermal (X5) > Radiation 5

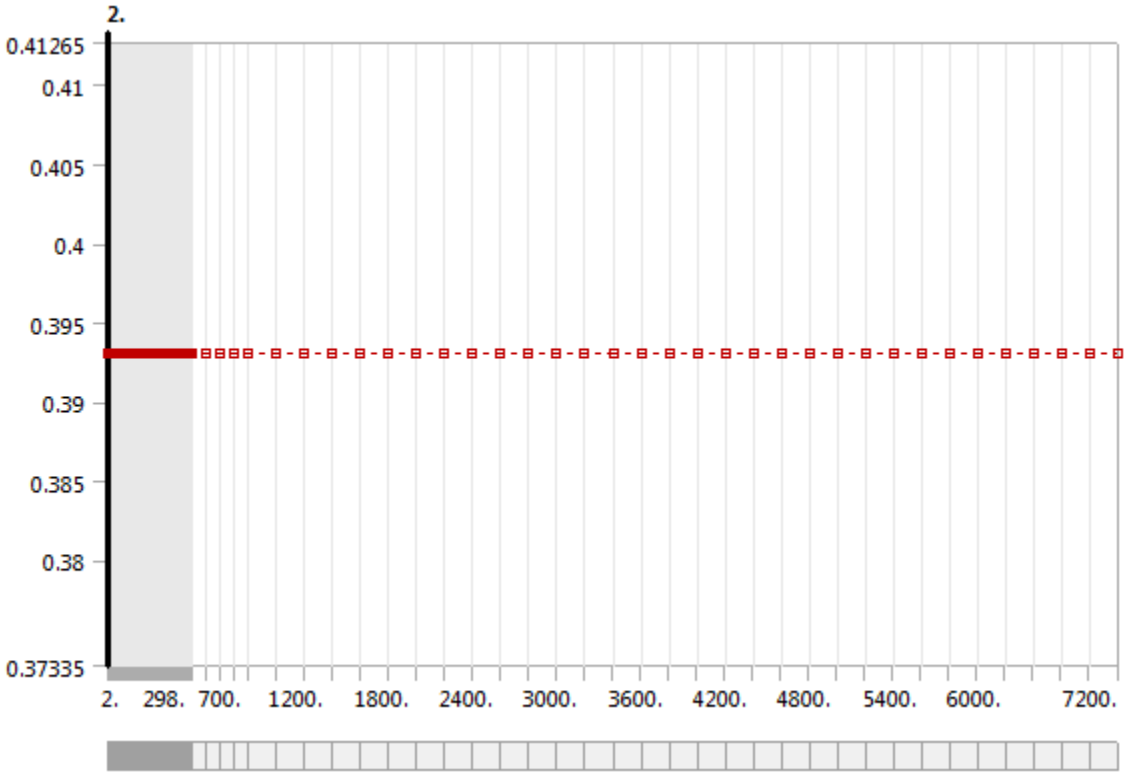

FIGURE 6
Model (X4) > Transient Thermal (X5) > Radiation 6

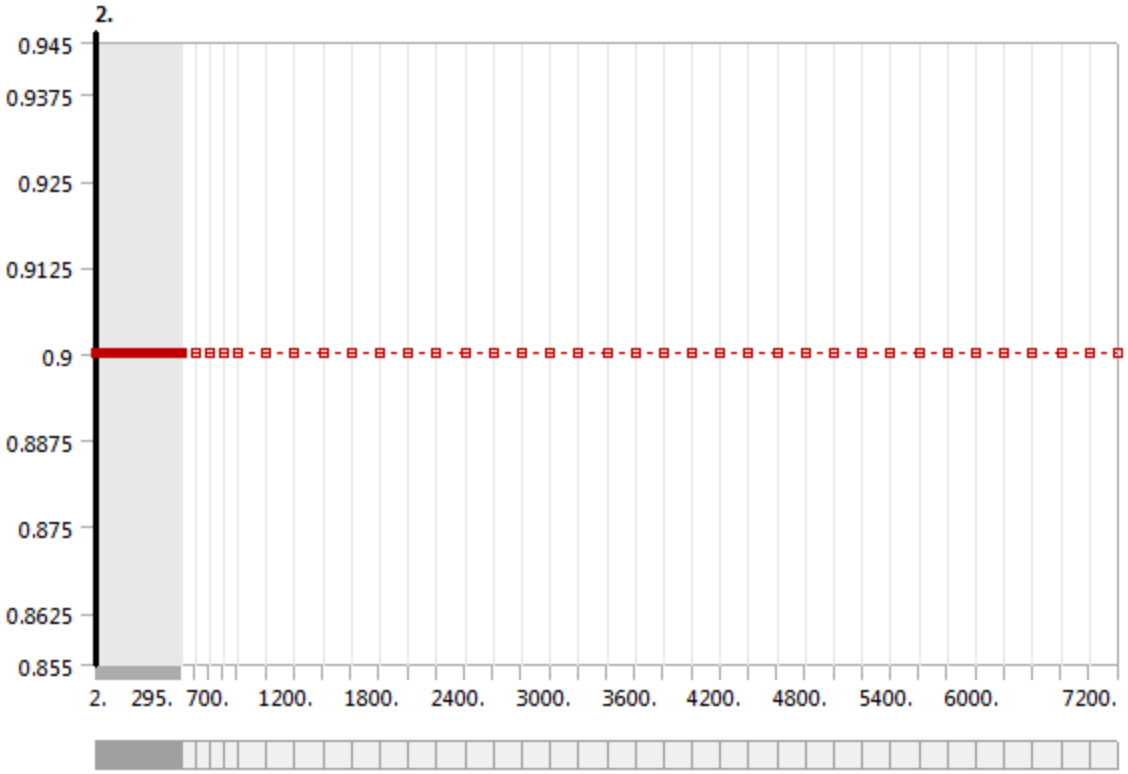

FIGURE 7
Model (X4) > Transient Thermal (X5) > Radiation 7

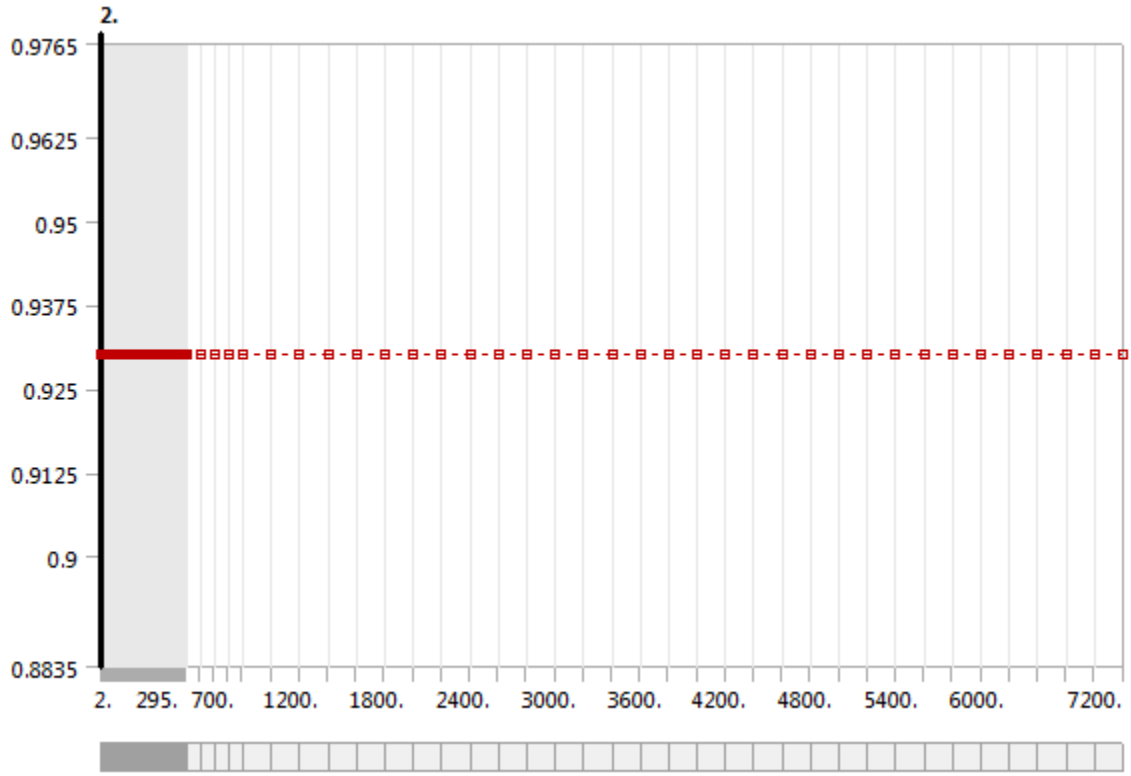

FIGURE 8
Model (X4) > Transient Thermal (X5) > Convection

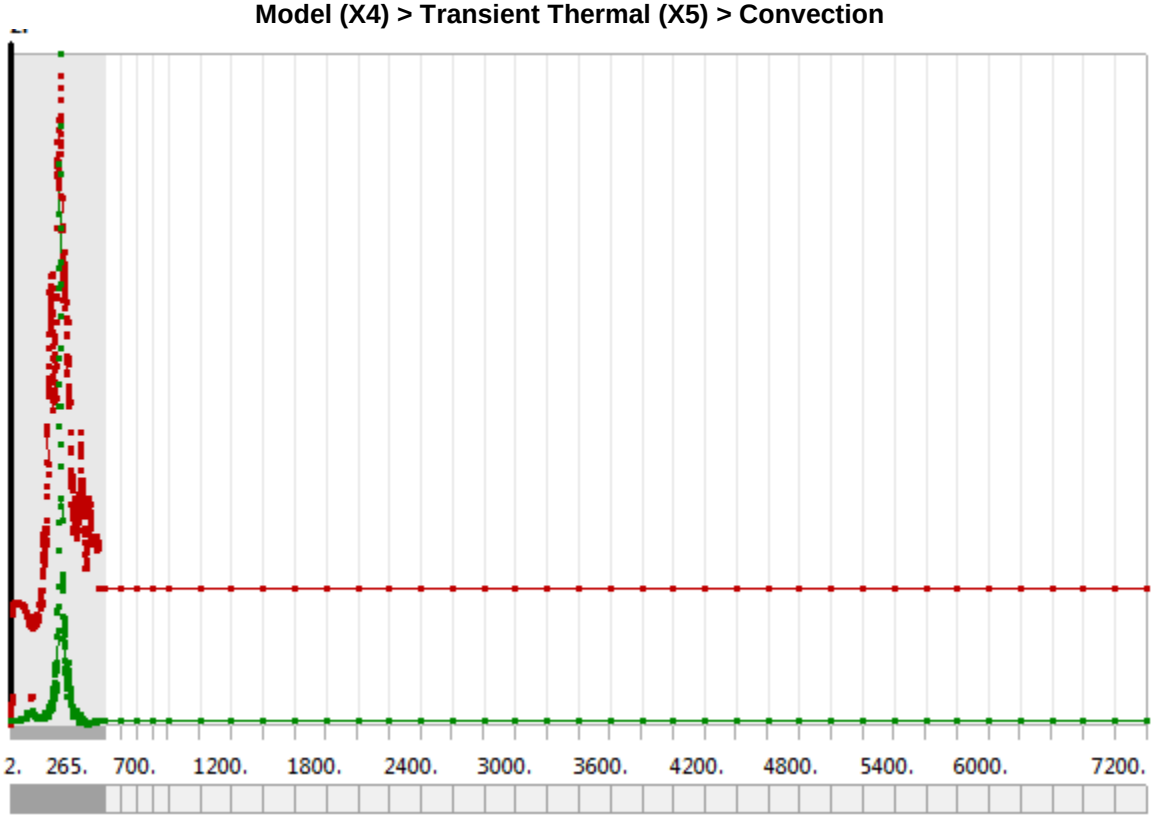

TABLE 19
Model (X4) > Transient Thermal (X5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	
3	6.	0.92	
4	8.	1.12	16.87
5	10.	1.29	16.89
6	12.	4.14	16.88
7	14.	4.26	
8	16.	4.38	17.33
9	18.	4.44	17.
10	20.	4.49	17.12
11	22.	4.51	17.61
12	24.	4.53	17.05
13	26.		16.97
14	28.		16.98
15	30.	4.54	17.06
16	32.	4.53	17.05
17	34.		17.07
18	36.		17.1
19	38.		17.13
20	40.		17.61
21	42.	4.52	17.17
22	44.		17.18
23	46.	4.51	17.19
24	48.		17.22
25	50.	4.49	17.29
26	52.	4.48	17.33
27	54.	4.47	17.41
28	56.		17.49
29	58.	4.46	17.54
30	60.		17.58
31	62.		17.6
32	64.		17.64
33	66.	4.45	17.68
34	68.		
35	70.	4.44	17.65
36	72.		17.66
37	74.		17.68
38	76.	4.42	17.69
39	78.	4.41	17.72
40	80.	4.4	17.75
41	82.	4.39	
42	84.	4.38	17.77
43	86.	4.36	17.79
44	88.	4.34	17.82
45	90.	4.31	17.87

46	92.	4.27	17.98
47	94.	4.23	18.14
48	96.	4.21	18.3
49	98.	4.19	18.48
50	100.	4.18	18.76
51	102.	4.15	19.15
52	104.	4.1	19.88
53	106.	4.07	20.65
54	108.		21.01
55	110.	4.03	20.57
56	112.	3.95	19.99
57	114.	3.91	19.77
58	116.	3.86	19.67
59	118.	3.82	20.22
60	120.	3.78	19.91
61	122.	3.68	19.93
62	124.	1.3	20.22
63	126.		20.01
64	128.		20.24
65	130.	1.27	21.18
66	132.	1.28	21.06
67	134.		20.67
68	136.	1.3	20.44
69	138.	1.29	21.67
70	140.	1.3	21.29
71	142.	3.65	20.97
72	144.	3.67	20.54
73	146.	3.71	20.15
74	148.	3.68	19.78
75	150.	3.84	19.37
76	151.	3.87	19.13
77	152.	3.9	18.7
78	153.	3.89	18.71
79	154.	3.85	18.68
80	155.	3.9	18.72
81	156.	3.93	18.68
82	157.		18.77
83	158.	4.03	18.7
84	159.	4.09	18.64
85	160.	4.07	18.72
86	161.	3.96	18.83
87	162.	3.77	18.84
88	163.	3.79	18.79
89	164.		18.74
90	165.	3.77	18.68
91	166.	3.8	18.64
92	167.		18.56
93	168.	3.83	18.45

94	169.	3.87	18.25
95	170.	3.92	18.22
96	171.	3.95	18.19
97	172.		18.18
98	173.	3.96	18.15
99	174.	4.	18.14
100	175.	3.97	18.12
101	176.	4.04	18.09
102	177.	4.01	18.06
103	178.	3.97	18.03
104	179.	3.95	17.98
105	180.	3.94	17.91
106	181.	3.92	17.93
107	182.	4.06	18.18
108	183.	4.46	18.38
109	184.	4.86	18.83
110	185.	4.96	19.
111	186.	4.83	18.94
112	187.	4.76	18.84
113	188.	4.71	18.8
114	189.	4.69	18.7
115	190.	4.55	18.64
116	191.	4.53	18.53
117	192.	4.41	18.44
118	193.	4.42	18.36
119	194.	4.34	18.29
120	195.	4.36	18.21
121	196.	4.37	18.16
122	197.	4.42	18.11
123	198.	4.55	18.1
124	199.	4.9	18.08
125	200.	5.4	18.05
126	201.	5.59	18.12
127	202.	5.53	18.21
128	203.	5.58	18.45
129	204.	5.98	18.49
130	205.	6.17	18.43
131	206.	6.51	18.41
132	207.	6.64	18.39
133	208.	6.75	18.36
134	209.	6.87	18.3
135	210.	6.92	18.25
136	211.	7.02	18.21
137	212.	6.99	18.15
138	213.	6.83	18.1
139	214.	6.49	18.05
140	215.	6.12	18.19
141	216.	5.88	18.29

142	217.	5.8	18.5
143	218.	6.03	20.02
144	219.	6.35	20.8
145	220.	6.25	20.88
146	221.	6.31	20.24
147	222.	6.52	19.5
148	223.	6.64	19.76
149	224.	6.9	20.01
150	225.	7.04	19.76
151	226.	7.3	19.14
152	227.	8.14	18.97
153	228.	8.47	19.31
154	229.	9.29	18.85
155	230.	10.24	18.81
156	231.	10.5	18.8
157	232.	10.54	18.77
158	233.	10.48	19.08
159	234.	10.28	18.86
160	235.	9.26	19.17
161	236.	8.87	18.62
162	237.	11.61	20.22
163	238.	12.	21.98
164	239.	11.82	23.68
165	240.	11.59	23.28
166	241.	11.65	23.37
167	242.	13.21	23.01
168	243.	13.7	22.66
169	244.	13.17	22.57
170	245.	12.56	21.67
171	246.	12.19	21.6
172	247.	15.14	21.4
173	248.	15.08	22.48
174	249.	14.77	22.61
175	250.	14.11	22.32
176	251.	14.35	21.7
177	252.	13.68	21.82
178	253.	14.32	22.34
179	254.	15.69	21.99
180	255.	15.32	22.2
181	256.	14.94	22.95
182	257.	14.44	24.65
183	258.	13.9	24.1
184	259.	14.54	25.07
185	260.	13.78	24.82
186	261.	14.39	30.9
187	262.	15.22	31.32
188	263.	15.66	30.97
189	264.	15.74	29.72

190	265.	14.41	27.13
191	266.	13.74	26.5
192	267.	13.29	25.3
193	268.	12.85	22.85
194	269.	12.24	23.55
195	270.	11.39	25.23
196	271.	11.57	24.69
197	272.	11.09	23.52
198	273.	12.48	26.86
199	274.	11.63	26.74
200	275.	12.06	29.67
201	276.	11.61	29.45
202	277.	11.34	29.3
203	278.	12.51	38.32
204	279.	12.04	37.56
205	280.	13.6	33.65
206	281.	13.	42.74
207	282.	13.43	39.58
208	283.	13.	37.49
209	284.	12.81	37.97
210	285.	11.78	33.91
211	286.	11.46	31.4
212	287.	12.57	30.39
213	288.	14.98	33.12
214	289.	14.96	39.25
215	290.	14.06	42.88
216	291.	14.93	65.85
217	292.	17.33	66.58
218	293.	19.09	66.13
219	294.	19.13	54.97
220	295.	19.45	42.44
221	296.	20.26	41.81
222	297.	19.66	43.12
223	298.	19.26	57.34
224	299.	19.03	68.34
225	300.	19.32	77.37
226	301.	18.74	93.83
227	302.	19.56	106.49
228	303.	18.65	149.76
229	304.	19.3	158.23
230	305.	18.86	168.82
231	306.	20.64	221.21
232	307.	21.	211.45
233	308.	19.21	179.91
234	309.	19.86	245.03
235	310.	20.26	267.73
236	311.	20.53	223.74
237	312.	22.52	238.99

238	313.	23.25	213.39
239	314.	21.67	263.01
240	315.	21.02	317.32
241	316.	20.8	284.87
242	317.	21.14	185.17
243	318.	19.82	131.67
244	319.	20.08	141.44
245	320.	22.07	199.04
246	321.	20.23	159.07
247	322.	18.4	113.38
248	323.	17.26	117.53
249	324.	18.33	107.67
250	325.	17.38	80.67
251	326.	16.34	83.08
252	327.	15.57	78.55
253	328.	16.11	75.43
254	329.	17.21	77.87
255	330.	16.2	75.59
256	331.	15.49	81.43
257	332.	15.26	76.09
258	333.	15.81	78.34
259	334.	15.24	64.1
260	335.	14.84	54.29
261	336.	16.5	58.7
262	337.	16.1	63.57
263	338.	15.18	60.71
264	339.	15.98	55.99
265	340.	15.52	52.39
266	341.	15.36	44.38
267	342.	15.67	40.7
268	343.	15.84	41.04
269	344.	15.67	39.82
270	345.	14.96	39.93
271	346.	15.07	38.38
272	347.	14.6	39.25
273	348.	15.01	50.27
274	349.	14.76	38.38
275	350.	14.22	42.87
276	351.	14.21	41.9
277	352.	14.06	41.49
278	353.	14.09	27.79
279	354.	13.63	31.88
280	355.	13.66	37.32
281	356.	12.69	38.15
282	357.	12.94	35.31
283	358.	12.91	35.76
284	359.	12.87	34.95
285	360.	12.36	34.05

286	361.	12.29	38.85
287	362.	12.78	43.4
288	363.	12.64	39.86
289	364.	12.8	37.24
290	365.	14.07	39.09
291	366.	12.85	36.7
292	367.	11.93	34.47
293	368.	11.71	39.33
294	369.	11.64	37.61
295	370.	11.5	37.48
296	371.	11.39	38.23
297	372.	11.2	37.16
298	373.	11.42	36.2
299	374.	11.33	31.82
300	375.	10.34	31.85
301	376.	9.75	30.42
302	377.	9.74	29.18
303	378.	9.67	26.72
304	379.	9.04	26.98
305	380.	9.03	26.42
306	381.	8.82	24.74
307	382.	8.83	25.52
308	383.		26.33
309	384.	8.65	25.85
310	385.	8.46	25.06
311	386.	7.87	24.59
312	387.	7.76	23.89
313	388.	7.45	20.48
314	389.	7.36	19.94
315	390.	7.74	19.26
316	391.	8.78	19.55
317	392.	8.83	20.57
318	393.	8.52	20.
319	394.	8.39	19.78
320	395.	8.32	19.5
321	396.	7.78	19.27
322	397.	6.93	19.8
323	398.	7.06	19.73
324	399.	7.63	19.83
325	400.	7.99	20.17
326	401.	8.09	20.26
327	402.	7.77	19.73
328	403.	7.68	19.5
329	404.	7.74	19.29
330	405.	7.55	19.19
331	406.	7.24	19.1
332	407.	6.94	19.08
333	408.	7.33	19.51

334	409.	7.86	19.74
335	410.	7.33	20.16
336	411.	7.21	21.12
337	412.	7.53	21.41
338	413.	7.86	21.19
339	414.	7.51	20.79
340	415.	7.08	20.28
341	416.	6.91	20.11
342	417.	6.87	20.34
343	418.	6.73	20.23
344	419.	7.12	20.31
345	420.	7.32	20.43
346	421.	7.41	20.35
347	422.	7.3	19.88
348	423.	7.24	19.41
349	424.	7.21	19.05
350	425.	7.	18.82
351	426.	7.28	18.67
352	427.	7.77	18.43
353	428.	7.86	18.19
354	429.	7.68	17.93
355	430.	7.65	17.95
356	431.	8.2	17.69
357	432.	8.1	17.3
358	433.	8.	16.82
359	434.	7.59	16.57
360	435.	7.36	17.
361	436.	7.43	17.87
362	437.	7.55	18.05
363	438.	8.31	19.15
364	439.	8.45	19.8
365	440.	8.39	19.64
366	441.	9.05	19.46
367	442.	9.95	19.34
368	443.	10.36	19.21
369	444.	9.89	18.72
370	445.	9.7	18.47
371	446.	9.65	18.86
372	447.	9.52	18.44
373	448.	8.66	17.31
374	449.	8.49	17.73
375	450.	8.3	17.12
376	451.	8.66	16.65
377	452.	8.5	17.01
378	453.	8.58	17.71
379	454.	8.3	17.73
380	455.	8.23	17.39
381	456.	8.31	17.16

382	457.	8.14	17.32
383	458.	8.	17.16
384	459.	7.97	16.91
385	460.	8.02	16.87
386	461.	7.95	17.1
387	462.	8.01	16.91
388	463.	8.04	16.48
389	464.	7.87	16.63
390	465.	7.75	
391	466.	7.71	16.83
392	467.	7.51	16.54
393	468.	7.44	16.16
394	469.	7.58	16.08
395	470.	7.05	16.19
396	471.	6.96	16.37
397	472.	6.86	16.28
398	473.	6.54	16.35
399	474.	6.14	16.29
400	475.	5.68	16.21
401	476.	5.77	16.05
402	477.	5.71	15.78
403	478.	6.58	15.66
404	479.	6.51	15.76
405	480.	6.5	15.75
406	481.	6.41	15.72
407	482.	6.26	15.69
408	483.	5.86	15.66
409	484.	5.7	15.64
410	485.	5.93	15.58
411	486.	5.98	15.47
412	487.	6.28	15.36
413	488.	6.37	15.63
414	489.	6.84	16.13
415	490.	7.54	16.23
416	491.	7.73	16.24
417	492.	7.88	16.21
418	493.	7.98	16.16
419	494.	8.01	16.25
420	495.	8.05	16.06
421	496.		15.84
422	497.	8.04	15.75
423	498.	8.02	16.18
424	499.	8.03	16.29
425	500.	7.92	16.25
426	501.	7.88	
427	502.	7.61	16.21
428	503.	7.49	16.1
429	504.	7.35	16.06

430	505.	7.23	16.24
431	506.		16.19
432	507.	7.13	
433	508.		16.18
434	509.	7.04	16.15
435	510.	6.72	16.12
436	511.	7.07	16.
437	512.	7.19	16.03
438	513.	7.02	15.99
439	514.	6.75	15.98
440	515.	6.48	15.96
441	516.	6.62	15.97
442	517.	6.73	
443	518.	6.68	16.26
444	519.	6.66	16.66
445	520.	6.68	16.47
446	521.	6.63	16.35
447	522.	6.61	16.41
448	523.	6.58	16.51
449	524.	6.64	16.32
450	525.	6.72	16.1
451	526.	6.68	16.2
452	527.	6.67	16.19
453	528.	6.69	
454	529.	6.68	16.24
455	530.		16.35
456	531.	6.75	16.44
457	532.	6.74	16.62
458	533.	6.79	16.8
459	534.	6.73	16.88
460	535.	6.66	17.03
461	536.	6.65	17.05
462	537.	6.74	17.17
463	538.	6.78	17.29
464	539.	6.72	17.32
465	540.	6.78	17.28
466	541.	6.68	17.14
467	542.	6.64	17.24
468	543.	6.55	17.32
469	544.	6.46	17.36
470	545.	6.31	17.37
471	546.	6.27	17.24
472	547.	6.35	16.67
473	548.	6.33	17.07
474	549.	6.34	17.42
475	550.	6.43	17.46
476	551.	6.49	17.4
477	552.	6.54	17.48

478	553.	6.38	17.53
479	554.	6.35	17.39
480	555.	6.37	17.37
481	560.	5.	16.85
482	565.		
483	570.		
484	575.		
485	580.		
486	585.		
487	590.		
488	595.		
489	600.		
490	700.		
491	800.		
492	900.		
493	1000.		
494	1200.		
495	1400.		
496	1600.		
497	1800.		
498	2000.		
499	2200.		
500	2400.		
501	2600.		
502	2800.		
503	3000.		
504	3200.		
505	3400.		
506	3600.		
507	3800.		
508	4000.		
509	4200.		
510	4400.		
511	4600.		
512	4800.		
513	5000.		
514	5200.		
515	5400.		
516	5600.		
517	5800.		
518	6000.		
519	6200.		
520	6400.		
521	6600.		
522	6800.		
523	7000.		
524	7200.		

FIGURE 9
Model (X4) > Transient Thermal (X5) > Heat Flux

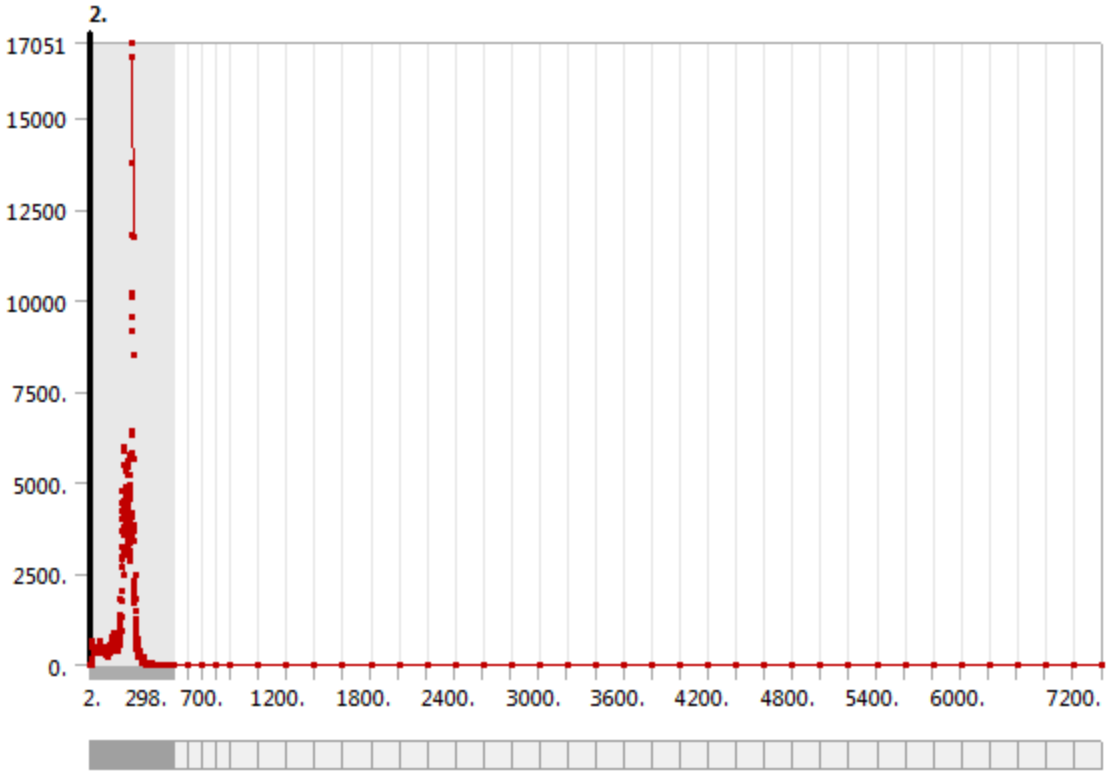

TABLE 20
Model (X4) > Transient Thermal (X5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	0.3
5	10.	
6	12.	35.
7	14.	167.4
8	16.	583.6
9	18.	519.
10	20.	633.2
11	22.	452.1
12	24.	465.5
13	26.	350.1
14	28.	520.8
15	30.	411.
16	32.	418.6
17	34.	319.8
18	36.	354.7
19	38.	367.9

20	40.	336.3
21	42.	477.5
22	44.	445.4
23	46.	375.7
24	48.	365.6
25	50.	454.7
26	52.	464.8
27	54.	377.2
28	56.	356.8
29	58.	439.5
30	60.	442.7
31	62.	385.7
32	64.	465.7
33	66.	638.1
34	68.	479.1
35	70.	551.
36	72.	484.6
37	74.	568.3
38	76.	560.2
39	78.	449.8
40	80.	493.3
41	82.	447.9
42	84.	356.8
43	86.	359.
44	88.	415.3
45	90.	348.8
46	92.	325.3
47	94.	394.3
48	96.	357.6
49	98.	356.2
50	100.	335.4
51	102.	325.2
52	104.	315.9
53	106.	321.3
54	108.	358.
55	110.	429.9
56	112.	428.9
57	114.	305.8
58	116.	292.2
59	118.	376.2
60	120.	380.8
61	122.	367.6
62	124.	310.
63	126.	316.9
64	128.	479.4
65	130.	344.7
66	132.	334.3
67	134.	228.5

68	136.	375.4
69	138.	498.2
70	140.	341.6
71	142.	521.4
72	144.	405.
73	146.	470.8
74	148.	437.8
75	150.	454.4
76	151.	484.3
77	152.	653.7
78	153.	525.3
79	154.	377.2
80	155.	570.8
81	156.	683.6
82	157.	539.9
83	158.	521.8
84	159.	526.
85	160.	597.7
86	161.	755.5
87	162.	511.2
88	163.	514.6
89	164.	547.2
90	165.	775.7
91	166.	779.7
92	167.	553.1
93	168.	554.7
94	169.	409.4
95	170.	835.
96	171.	883.
97	172.	596.1
98	173.	664.6
99	174.	640.7
100	175.	724.2
101	176.	636.3
102	177.	867.
103	178.	650.5
104	179.	816.3
105	180.	426.2
106	181.	521.7
107	182.	614.7
108	183.	606.6
109	184.	776.2
110	185.	552.7
111	186.	619.4
112	187.	385.7
113	188.	406.5
114	189.	389.
115	190.	582.4

116	191.	617.8
117	192.	430.4
118	193.	413.9
119	194.	414.7
120	195.	704.4
121	196.	432.8
122	197.	409.
123	198.	529.
124	199.	469.9
125	200.	556.
126	201.	584.9
127	202.	366.
128	203.	577.8
129	204.	430.2
130	205.	406.7
131	206.	609.5
132	207.	616.6
133	208.	616.
134	209.	613.6
135	210.	768.9
136	211.	1338.9
137	212.	803.8
138	213.	564.5
139	214.	1782.
140	215.	1176.7
141	216.	970.5
142	217.	1346.9
143	218.	1009.7
144	219.	893.2
145	220.	1243.
146	221.	932.3
147	222.	1293.6
148	223.	1754.3
149	224.	2013.6
150	225.	2926.9
151	226.	2685.8
152	227.	3211.4
153	228.	3997.6
154	229.	3661.9
155	230.	4791.6
156	231.	4420.5
157	232.	4200.
158	233.	3656.6
159	234.	2978.5
160	235.	2489.4
161	236.	3128.1
162	237.	3700.3
163	238.	3558.6

164	239.	3800.5
165	240.	4374.5
166	241.	4422.7
167	242.	4060.7
168	243.	5996.2
169	244.	4072.2
170	245.	4373.
171	246.	5477.5
172	247.	4522.1
173	248.	5887.5
174	249.	4088.6
175	250.	3933.2
176	251.	3888.6
177	252.	4213.9
178	253.	3233.1
179	254.	3873.2
180	255.	3837.7
181	256.	4022.4
182	257.	5325.4
183	258.	4869.2
184	259.	4668.4
185	260.	5418.3
186	261.	3897.3
187	262.	4408.
188	263.	4476.1
189	264.	4180.2
190	265.	4637.1
191	266.	3333.4
192	267.	4457.9
193	268.	4351.3
194	269.	4782.3
195	270.	5216.6
196	271.	5617.5
197	272.	5451.6
198	273.	5227.1
199	274.	3790.2
200	275.	3516.4
201	276.	3190.1
202	277.	3038.
203	278.	2848.9
204	279.	2967.9
205	280.	3108.8
206	281.	3348.4
207	282.	3634.9
208	283.	3992.1
209	284.	4124.4
210	285.	4664.6
211	286.	4764.2

212	287.	5760.6
213	288.	5191.
214	289.	4914.8
215	290.	4568.6
216	291.	4015.2
217	292.	3486.2
218	293.	4078.8
219	294.	4167.7
220	295.	5790.7
221	296.	13771
222	297.	9538.6
223	298.	6280.1
224	299.	10177
225	300.	10107
226	301.	9178.7
227	302.	6423.9
228	303.	11799
229	304.	17051
230	305.	16640
231	306.	11740
232	307.	8524.4
233	308.	5654.2
234	309.	3411.3
235	310.	3690.7
236	311.	2257.4
237	312.	1721.5
238	313.	2138.2
239	314.	1950.5
240	315.	1903.7
241	316.	2021.4
242	317.	5621.8
243	318.	3847.8
244	319.	1880.1
245	320.	2300.
246	321.	2441.8
247	322.	1798.1
248	323.	1496.6
249	324.	1126.
250	325.	874.3
251	326.	551.9
252	327.	795.1
253	328.	1022.
254	329.	1261.9
255	330.	549.1
256	331.	461.3
257	332.	485.5
258	333.	740.9
259	334.	594.5

260	335.	687.8
261	336.	357.7
262	337.	573.7
263	338.	657.1
264	339.	429.5
265	340.	408.2
266	341.	353.2
267	342.	581.4
268	343.	341.8
269	344.	419.4
270	345.	414.3
271	346.	375.1
272	347.	214.7
273	348.	282.8
274	349.	396.
275	350.	311.3
276	351.	336.5
277	352.	343.9
278	353.	368.1
279	354.	368.4
280	355.	341.7
281	356.	385.2
282	357.	379.1
283	358.	272.1
284	359.	294.7
285	360.	251.2
286	361.	246.2
287	362.	230.3
288	363.	184.7
289	364.	221.8
290	365.	177.3
291	366.	147.9
292	367.	203.4
293	368.	115.2
294	369.	139.4
295	370.	98.4
296	371.	144.8
297	372.	154.7
298	373.	130.5
299	374.	145.4
300	375.	150.6
301	376.	122.4
302	377.	80.6
303	378.	119.
304	379.	78.4
305	380.	116.5
306	381.	116.1
307	382.	115.8

308	383.	187.2
309	384.	93.1
310	385.	195.1
311	386.	119.8
312	387.	109.2
313	388.	71.8
314	389.	142.2
315	390.	108.5
316	391.	69.
317	392.	70.5
318	393.	39.3
319	394.	75.3
320	395.	62.1
321	396.	65.5
322	397.	34.9
323	398.	55.9
324	399.	34.1
325	400.	59.9
326	401.	60.7
327	402.	59.4
328	403.	58.2
329	404.	28.6
330	405.	27.1
331	406.	28.3
332	407.	52.8
333	408.	51.6
334	409.	72.3
335	410.	27.6
336	411.	48.
337	412.	47.2
338	413.	46.4
339	414.	43.7
340	415.	42.7
341	416.	23.5
342	417.	22.3
343	418.	42.
344	419.	38.5
345	420.	42.1
346	421.	38.3
347	422.	20.4
348	423.	20.7
349	424.	36.2
350	425.	33.5
351	426.	36.5
352	427.	51.9
353	428.	34.
354	429.	30.4
355	430.	17.2

356	431.	16.7
357	432.	31.
358	433.	34.2
359	434.	33.1
360	435.	16.8
361	436.	16.6
362	437.	18.5
363	438.	33.
364	439.	0.3
365	440.	17.4
366	441.	0.3
367	442.	17.
368	443.	19.4
369	444.	17.2
370	445.	16.6
371	446.	16.4
372	447.	15.
373	448.	0.3
374	449.	13.4
375	450.	15.1
376	451.	12.4
377	452.	13.5
378	453.	13.
379	454.	9.7
380	455.	10.3
381	456.	10.9
382	457.	9.5
383	458.	9.3
384	459.	9.2
385	460.	9.8
386	461.	7.5
387	462.	7.9
388	463.	8.6
389	464.	7.5
390	465.	7.4
391	466.	6.6
392	467.	8.
393	468.	6.5
394	469.	6.3
395	470.	0.3
396	471.	6.7
397	472.	5.5
398	473.	5.7
399	474.	6.
400	475.	5.2
401	476.	4.6
402	477.	4.9
403	478.	4.7

404	479.	5.
405	480.	4.5
406	481.	4.3
407	482.	3.6
408	483.	4.1
409	484.	4.2
410	485.	4.1
411	486.	3.6
412	487.	3.2
413	488.	6.7
414	489.	3.4
415	490.	
416	491.	3.1
417	492.	2.9
418	493.	3.3
419	494.	5.2
420	495.	2.6
421	496.	5.3
422	497.	2.2
423	498.	2.5
424	499.	4.8
425	500.	2.2
426	501.	2.4
427	502.	2.7
428	503.	4.4
429	504.	4.
430	505.	2.3
431	506.	2.1
432	507.	4.1
433	508.	2.6
434	509.	4.1
435	510.	3.4
436	511.	3.7
437	512.	2.1
438	513.	3.1
439	514.	1.9
440	515.	3.
441	516.	3.6
442	517.	3.8
443	518.	3.3
444	519.	1.9
445	520.	3.4
446	521.	1.6
447	522.	3.1
448	523.	
449	524.	3.4
450	525.	3.1
451	526.	

452	527.	2.8
453	528.	3.
454	529.	1.6
455	530.	3.1
456	531.	2.7
457	532.	2.8
458	533.	2.6
459	534.	
460	535.	2.
461	536.	2.5
462	537.	2.6
463	538.	2.3
464	539.	2.5
465	540.	2.9
466	541.	2.4
467	542.	2.6
468	543.	3.4
469	544.	2.5
470	545.	2.2
471	546.	1.9
472	547.	2.5
473	548.	2.3
474	549.	3.
475	550.	2.4
476	551.	
477	552.	3.
478	553.	2.7
479	554.	2.1
480	555.	3.1
481	560.	0.
482	565.	
483	570.	
484	575.	
485	580.	
486	585.	
487	590.	
488	595.	
489	600.	
490	700.	
491	800.	
492	900.	
493	1000.	
494	1200.	
495	1400.	
496	1600.	
497	1800.	
498	2000.	
499	2200.	

500	2400.	
501	2600.	
502	2800.	
503	3000.	
504	3200.	
505	3400.	
506	3600.	
507	3800.	
508	4000.	
509	4200.	
510	4400.	
511	4600.	
512	4800.	
513	5000.	
514	5200.	
515	5400.	
516	5600.	
517	5800.	
518	6000.	
519	6200.	
520	6400.	
521	6600.	
522	6800.	
523	7000.	
524	7200.	

FIGURE 10
Model (X4) > Transient Thermal (X5) > Radiation

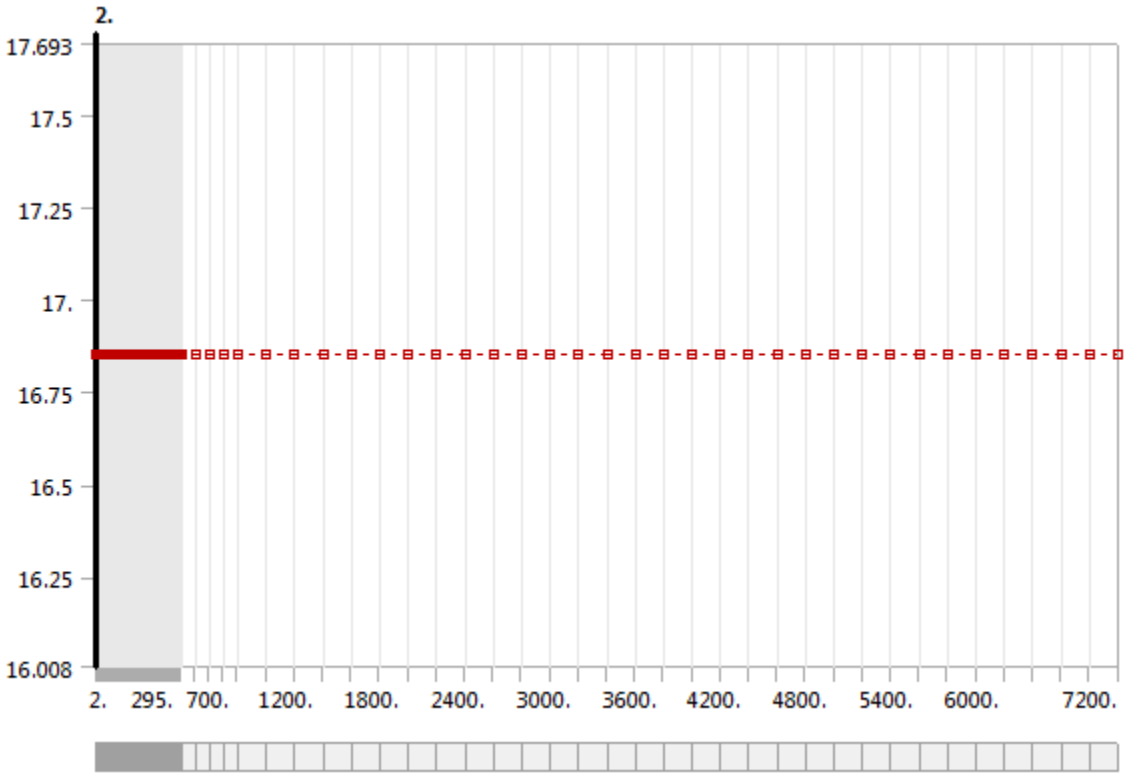

FIGURE 11
Model (X4) > Transient Thermal (X5) > Heat Flux 2

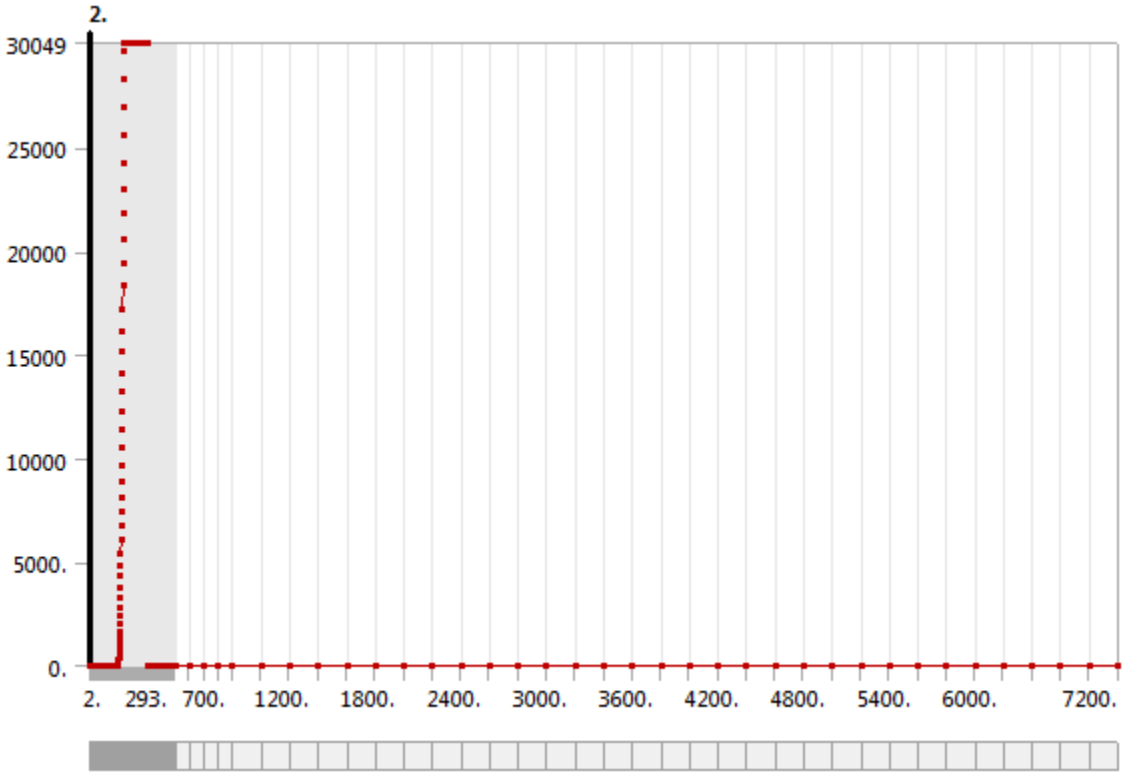

TABLE 21
Model (X4) > Transient Thermal (X5) > Heat Flux 2

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	
9	18.	
10	20.	
11	22.	
12	24.	
13	26.	
14	28.	
15	30.	
16	32.	
17	34.	
18	36.	
19	38.	
20	40.	
21	42.	
22	44.	
23	46.	
24	48.	
25	50.	
26	52.	
27	54.	
28	56.	
29	58.	
30	60.	
31	62.	
32	64.	
33	66.	
34	68.	
35	70.	
36	72.	
37	74.	
38	76.	
39	78.	
40	80.	
41	82.	
42	84.	
43	86.	
44	88.	
45	90.	

46	92.	
47	94.	
48	96.	
49	98.	
50	100.	
51	102.	
52	104.	
53	106.	
54	108.	
55	110.	
56	112.	
57	114.	
58	116.	
59	118.	
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	
67	134.	
68	136.	
69	138.	
70	140.	
71	142.	
72	144.	
73	146.	
74	148.	
75	150.	
76	151.	
77	152.	
78	153.	
79	154.	
80	155.	
81	156.	
82	157.	
83	158.	
84	159.	
85	160.	
86	161.	
87	162.	
88	163.	
89	164.	
90	165.	
91	166.	
92	167.	
93	168.	

94	169.	
95	170.	
96	171.	
97	172.	
98	173.	
99	174.	
100	175.	
101	176.	
102	177.	
103	178.	
104	179.	
105	180.	
106	181.	
107	182.	
108	183.	
109	184.	
110	185.	
111	186.	
112	187.	
113	188.	
114	189.	
115	190.	
116	191.	
117	192.	
118	193.	
119	194.	
120	195.	
121	196.	
122	197.	
123	198.	
124	199.	
125	200.	16.828
126	201.	67.31
127	202.	151.45
128	203.	269.24
129	204.	420.69
130	205.	605.79
131	206.	824.55
132	207.	1077.
133	208.	1363.
134	209.	1682.8
135	210.	2036.1
136	211.	2423.2
137	212.	2843.9
138	213.	3298.2
139	214.	3786.2
140	215.	4307.9
141	216.	4863.2

142	217.	5452.1
143	218.	6074.8
144	219.	6731.
145	220.	7421.
146	221.	8144.6
147	222.	8901.8
148	223.	9692.7
149	224.	10517
150	225.	11375
151	226.	12267
152	227.	13193
153	228.	14152
154	229.	15145
155	230.	16171
156	231.	17231
157	232.	18325
158	233.	19453
159	234.	20614
160	235.	21809
161	236.	23037
162	237.	24299
163	238.	25595
164	239.	26924
165	240.	28287
166	241.	29684
167	242.	
168	243.	
169	244.	
170	245.	
171	246.	
172	247.	
173	248.	
174	249.	
175	250.	
176	251.	
177	252.	
178	253.	30049
179	254.	
180	255.	
181	256.	
182	257.	
183	258.	
184	259.	
185	260.	
186	261.	
187	262.	
188	263.	
189	264.	

190	265.	
191	266.	
192	267.	
193	268.	
194	269.	
195	270.	
196	271.	
197	272.	
198	273.	
199	274.	
200	275.	
201	276.	
202	277.	
203	278.	
204	279.	
205	280.	
206	281.	
207	282.	
208	283.	
209	284.	
210	285.	
211	286.	
212	287.	
213	288.	
214	289.	
215	290.	
216	291.	
217	292.	
218	293.	
219	294.	
220	295.	
221	296.	
222	297.	
223	298.	
224	299.	
225	300.	
226	301.	
227	302.	
228	303.	
229	304.	
230	305.	
231	306.	
232	307.	
233	308.	
234	309.	
235	310.	
236	311.	
237	312.	

238	313.	
239	314.	
240	315.	
241	316.	
242	317.	
243	318.	
244	319.	
245	320.	
246	321.	
247	322.	
248	323.	
249	324.	
250	325.	
251	326.	
252	327.	
253	328.	
254	329.	
255	330.	
256	331.	
257	332.	
258	333.	
259	334.	
260	335.	
261	336.	
262	337.	
263	338.	
264	339.	
265	340.	
266	341.	
267	342.	
268	343.	
269	344.	
270	345.	
271	346.	
272	347.	
273	348.	
274	349.	
275	350.	
276	351.	
277	352.	
278	353.	
279	354.	
280	355.	
281	356.	
282	357.	
283	358.	
284	359.	
285	360.	

286	361.	
287	362.	
288	363.	
289	364.	
290	365.	
291	366.	
292	367.	
293	368.	
294	369.	
295	370.	
296	371.	
297	372.	
298	373.	
299	374.	
300	375.	
301	376.	
302	377.	
303	378.	
304	379.	
305	380.	
306	381.	
307	382.	
308	383.	
309	384.	
310	385.	
311	386.	
312	387.	
313	388.	
314	389.	
315	390.	
316	391.	
317	392.	
318	393.	
319	394.	
320	395.	
321	396.	
322	397.	
323	398.	
324	399.	
325	400.	
326	401.	
327	402.	
328	403.	
329	404.	
330	405.	
331	406.	
332	407.	
333	408.	

334	409.	
335	410.	
336	411.	
337	412.	
338	413.	
339	414.	
340	415.	
341	416.	
342	417.	
343	418.	
344	419.	
345	420.	
346	421.	
347	422.	
348	423.	
349	424.	
350	425.	
351	426.	
352	427.	
353	428.	
354	429.	
355	430.	
356	431.	
357	432.	
358	433.	
359	434.	0.
360	435.	
361	436.	
362	437.	
363	438.	
364	439.	
365	440.	
366	441.	
367	442.	
368	443.	
369	444.	
370	445.	
371	446.	
372	447.	
373	448.	
374	449.	
375	450.	
376	451.	
377	452.	
378	453.	
379	454.	
380	455.	
381	456.	

382	457.	
383	458.	
384	459.	
385	460.	
386	461.	
387	462.	
388	463.	
389	464.	
390	465.	
391	466.	
392	467.	
393	468.	
394	469.	
395	470.	
396	471.	
397	472.	
398	473.	
399	474.	
400	475.	
401	476.	
402	477.	
403	478.	
404	479.	
405	480.	
406	481.	
407	482.	
408	483.	
409	484.	
410	485.	
411	486.	
412	487.	
413	488.	
414	489.	
415	490.	
416	491.	
417	492.	
418	493.	
419	494.	
420	495.	
421	496.	
422	497.	
423	498.	
424	499.	
425	500.	
426	501.	
427	502.	
428	503.	
429	504.	

430	505.	
431	506.	
432	507.	
433	508.	
434	509.	
435	510.	
436	511.	
437	512.	
438	513.	
439	514.	
440	515.	
441	516.	
442	517.	
443	518.	
444	519.	
445	520.	
446	521.	
447	522.	
448	523.	
449	524.	
450	525.	
451	526.	
452	527.	
453	528.	
454	529.	
455	530.	
456	531.	
457	532.	
458	533.	
459	534.	
460	535.	
461	536.	
462	537.	
463	538.	
464	539.	
465	540.	
466	541.	
467	542.	
468	543.	
469	544.	
470	545.	
471	546.	
472	547.	
473	548.	
474	549.	
475	550.	
476	551.	
477	552.	

478	553.	
479	554.	
480	555.	
481	560.	
482	565.	
483	570.	
484	575.	
485	580.	
486	585.	
487	590.	
488	595.	
489	600.	
490	700.	
491	800.	
492	900.	
493	1000.	
494	1200.	
495	1400.	
496	1600.	
497	1800.	
498	2000.	
499	2200.	
500	2400.	
501	2600.	
502	2800.	
503	3000.	
504	3200.	
505	3400.	
506	3600.	
507	3800.	
508	4000.	
509	4200.	
510	4400.	
511	4600.	
512	4800.	
513	5000.	
514	5200.	
515	5400.	
516	5600.	
517	5800.	
518	6000.	
519	6200.	
520	6400.	
521	6600.	
522	6800.	
523	7000.	
524	7200.	

Solution (X6)

TABLE 22
Model (X4) > Transient Thermal (X5) > Solution

Object Name	*Solution (X6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	48 m 53 s
MAPDL Memory Used	2.5977 GB
MAPDL Result File Size	19.934 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 23
Model (X4) > Transient Thermal (X5) > Solution (X6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 24
Model (X4) > Transient Thermal (X5) > Solution (X6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	23.939 °C	16.85 °C
Maximum	263.8 °C	16.85 °C

FIGURE 12
Model (X4) > Transient Thermal (X5) > Solution (X6) > Solution Information > Temperature - Global Maximum

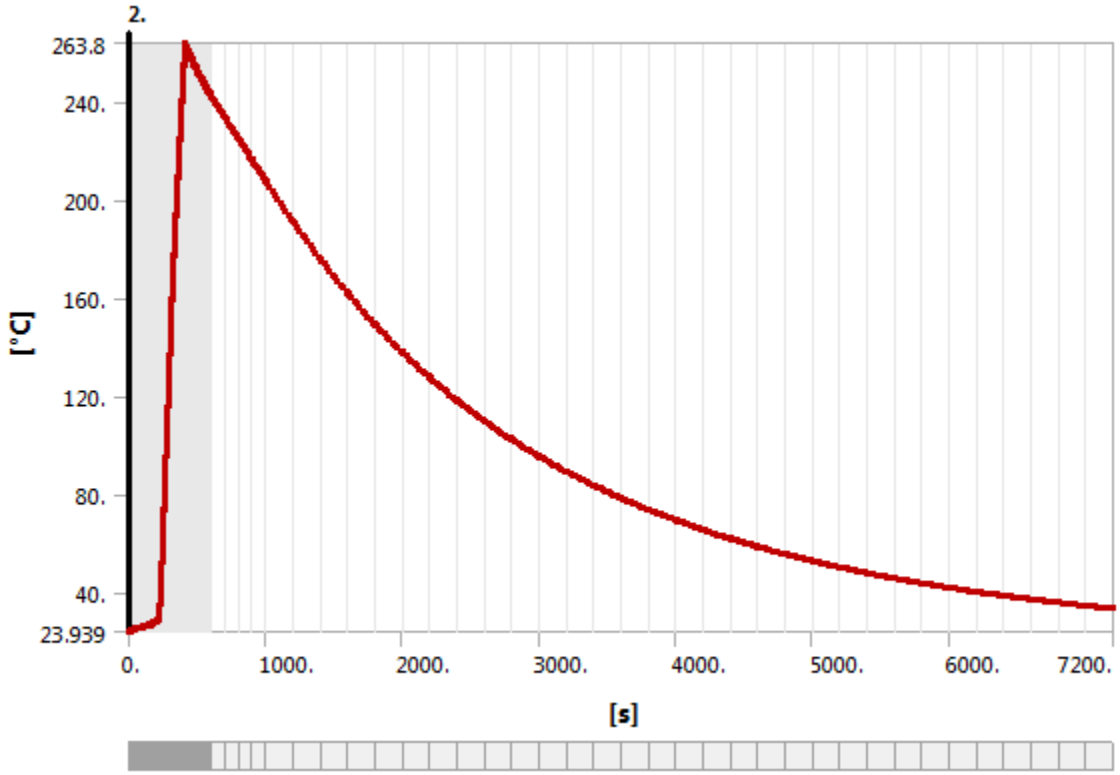

FIGURE 13
Model (X4) > Transient Thermal (X5) > Solution (X6) > Solution Information > Temperature - Global Minimum

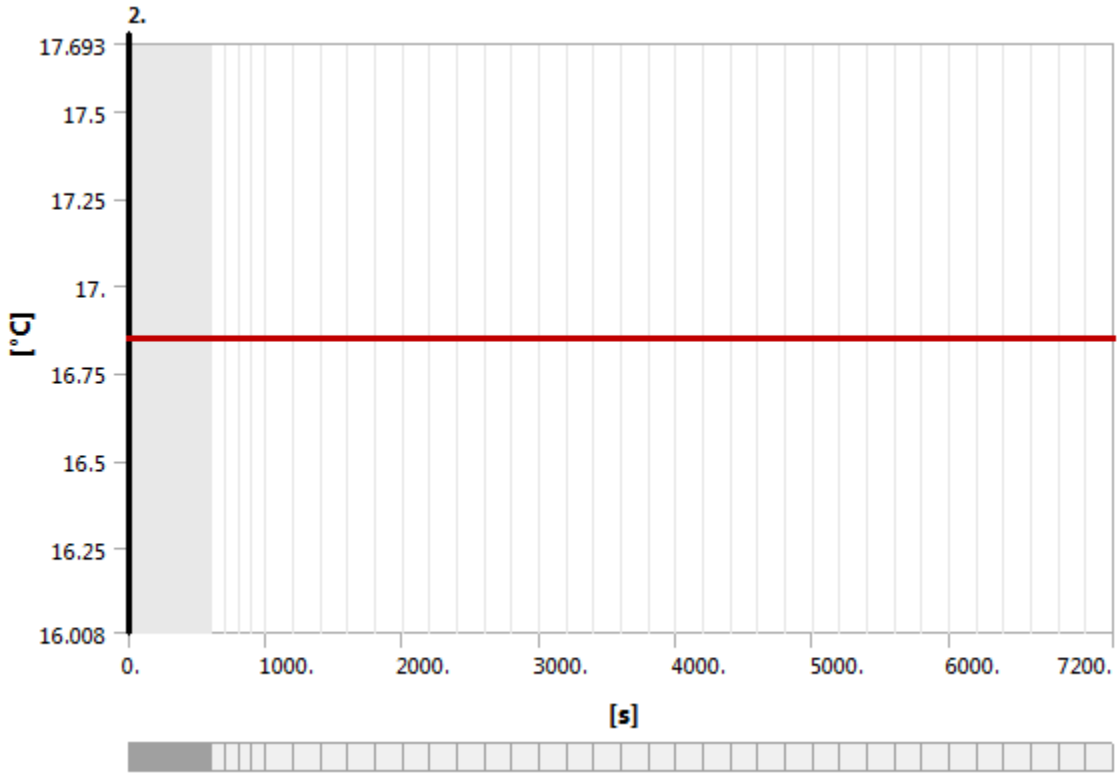

TABLE 25
Model (X4) > Transient Thermal (X5) > Solution (X6) > Results

Object Name	*Overall T*	*Drum Content T*	*Drum T*	*Permacon Temperature*
State	Solved			
Scope				
Scoping Method	Geometry Selection			
Geometry	All Bodies	1 Face	6 Faces	5 Faces
Definition				
Type	Temperature			
By	Time			
Display Time	1146. s			
Calculate Time History	Yes			
Identifier				
Suppressed	No			
Results				
Minimum	22.25 °C	23.89 °C	24.501 °C	41.92 °C
Maximum	195.57 °C	41.86 °C	77.551 °C	195.57 °C
Minimum Occurs On	Surface Body			
Maximum Occurs On	Surface Body			
Minimum Value Over Time				
Minimum	19.136 °C	23.889 °C	23.89 °C	19.136 °C
Maximum	22.25 °C	23.899 °C	25.036 °C	52.132 °C
Maximum Value Over Time				
Minimum	23.939 °C	23.89 °C		23.888 °C
Maximum	263.8 °C	42.846 °C	77.784 °C	263.8 °C

Information	
Time	1146. s
Load Step	494
Substep	10
Iteration Number	6422

FIGURE 14
Model (X4) > Transient Thermal (X5) > Solution (X6) > Overall T

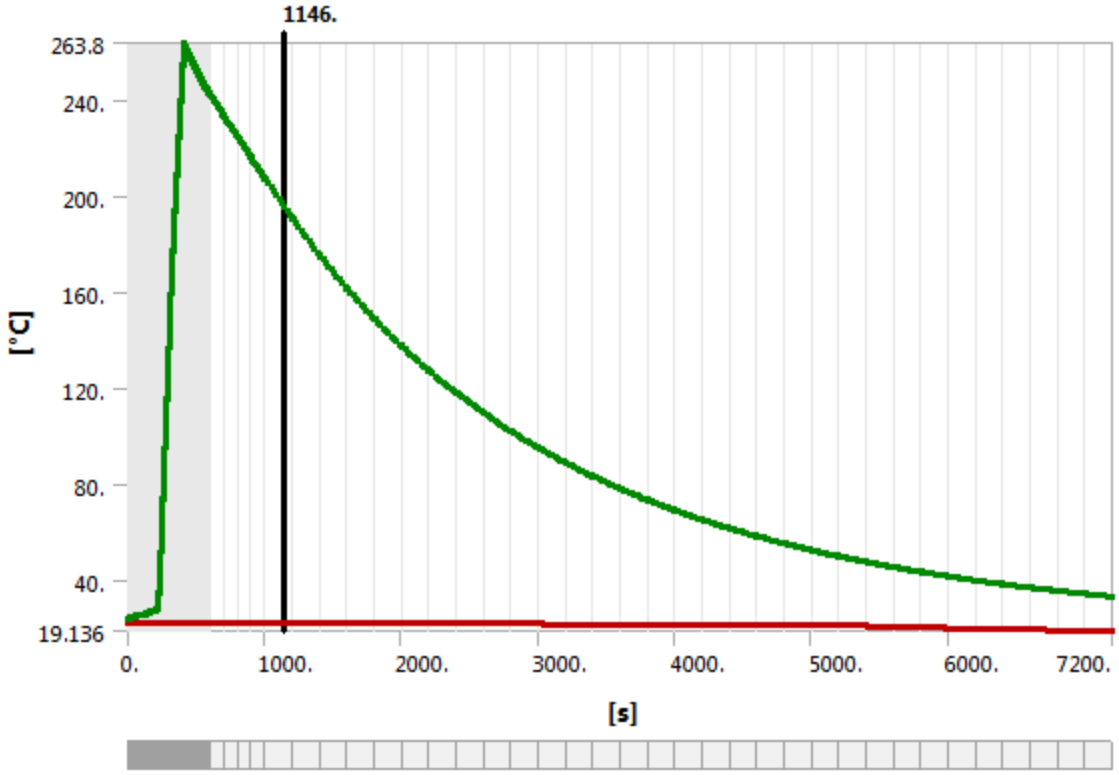

TABLE 26
Model (X4) > Transient Thermal (X5) > Solution (X6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.25	24.129
4.e-002		
0.1		24.126
0.28		24.12
0.48		24.113
0.68		24.106
0.88		24.099
1.08		24.092
1.28		24.085
1.48		24.079
1.68		24.072
1.88		24.065
2.		24.061
2.02		24.06

2.04		
2.1		24.058
2.28		24.052
2.48		24.045
2.68		24.039
2.88		24.033
3.08		24.027
3.28		24.02
3.48		24.014
3.68		24.008
3.88		24.002
4.		23.999
4.02		23.998
4.04		
4.1		23.996
4.28		23.991
4.48		23.985
4.68		23.979
4.88		23.974
5.08		23.968
5.28		23.963
5.48		23.958
5.68		23.955
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		23.954
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		23.953
7.88		
8.		
8.02		
8.04		
8.1		
8.28		23.952
8.48		
8.68		
8.88		23.951
9.08		
9.28		
9.48		23.95

9.68		
9.88		23.949
10.		
10.02		
10.04		
10.1		
10.28		
10.48		23.948
10.68		
10.88		23.947
11.08		
11.28		23.946
11.48		
11.68		23.945
11.88		
12.		23.944
12.02		
12.04		
12.1		
12.28		
12.48		23.943
12.68		
12.88		23.942
13.08		
13.28		23.941
13.48		
13.68		23.94
13.88		
14.		23.939
14.02		
14.04		
14.1		
14.28		
14.48		23.949
14.68		23.979
14.88		24.011
15.08		24.046
15.28		24.083
15.48		24.123
15.68		24.167
15.88		24.214
16.		24.243
16.02		24.247
16.04		24.251
16.1		24.263
16.28		24.293
16.48		24.322
16.68		24.347

16.88		24.37
17.08		24.391
17.28		24.41
17.48		24.427
17.68		24.443
17.88		24.458
18.		24.467
18.02		24.468
18.04		24.47
18.1		24.475
18.28		24.492
18.48		24.513
18.68		24.534
18.88		24.556
19.08		24.579
19.28		24.602
19.48		24.626
19.68		24.65
19.88		24.674
20.		24.689
20.02		24.691
20.04		24.693
20.1		24.699
20.28		24.712
20.48		24.723
20.68		24.731
20.88		24.738
21.08		24.742
21.28		24.744
21.48		24.745
21.68		
21.88		24.743
22.		24.741
22.02		
22.04		
22.1		
22.28		24.743
22.48		24.747
22.68		24.751
22.88		24.756
23.08		24.762
23.28		24.767
23.48		24.774
23.68		24.78
23.88		24.786
24.		24.79
24.02		24.791
24.04		24.792

24.1		24.793
24.28		24.795
24.48		24.796
24.68		24.795
24.88		24.794
25.08		24.792
25.28		24.788
25.48		24.785
25.68		24.78
25.88		24.775
26.		24.772
26.02		24.771
26.04		
26.1		
26.28		24.774
26.48		24.781
26.68		24.791
26.88		24.802
27.08		24.815
27.28		24.829
27.48		24.845
27.68		24.862
27.88		24.88
28.		24.891
28.02		24.893
28.04		24.894
28.1		24.898
28.28		24.907
28.48		24.914
28.68		24.92
28.88		24.924
29.08		24.926
29.28		24.927
29.48		24.928
29.68		24.927
29.88		24.925
30.		24.924
30.02		
30.04		
30.1		
30.28		24.925
30.48		24.927
30.68		24.929
30.88		24.932
31.08		24.935
31.28		24.938
31.48		24.942
31.68		24.945

31.88		24.949
32.		24.952
32.02		
32.04		
32.1		24.953
32.28		
32.48		24.952
32.68		24.95
32.88		24.947
33.08		24.943
33.28		24.939
33.48		24.934
33.68		24.929
33.88		24.923
34.		24.919
34.02		24.918
34.04		
34.1		24.917
34.28		24.915
34.48		24.914
34.68		
34.88		
35.08		24.916
35.28		24.917
35.48		24.92
35.68		24.922
35.88		24.925
36.		24.927
36.02		24.928
36.04		
36.1		24.929
36.28		24.931
36.48		24.934
36.68		24.937
36.88		24.941
37.08		24.944
37.28		24.947
37.48		24.95
37.68		24.954
37.88		24.957
38.		24.959
38.02		
38.04		24.96
38.1		
38.28		24.962
38.48		24.964
38.68		24.965
38.88		24.966

39.08		24.967
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		
40.1		24.968
40.28		24.973
40.48		24.981
40.68		24.99
40.88		25.
41.08		25.012
41.28		25.025
41.48		25.038
41.68		25.053
41.88		25.068
42.		25.077
42.02		25.079
42.04		25.08
42.1		25.084
42.28		25.094
42.48		25.103
42.68		25.111
42.88		25.118
43.08		25.124
43.28		25.13
43.48		25.136
43.68		25.14
43.88		25.145
44.		25.147
44.02		25.148
44.04		
44.1		25.149
44.28		25.151
44.48		25.153
44.68		25.154
44.88		
45.08		
45.28		25.153
45.48		25.152
45.68		25.15
45.88		25.148
46.		25.147
46.02		
46.04		
46.1		25.146

46.28		25.145
46.48		
46.68		
46.88		
47.08		25.146
47.28		
47.48		
47.68		25.147
47.88		
48.		25.148
48.02		
48.04		
48.1		25.149
48.28		25.153
48.48		25.158
48.68		25.165
48.88		25.172
49.08		25.18
49.28		25.189
49.48		25.198
49.68		25.208
49.88		25.219
50.		25.225
50.02		25.226
50.04		25.228
50.1		25.23
50.28		25.238
50.48		25.246
50.68		25.254
50.88		25.262
51.08		25.269
51.28		25.276
51.48		25.283
51.68		25.29
51.88		25.297
52.		25.301
52.02		
52.04		25.302
52.1		25.303
52.28		25.306
52.48		25.308
52.68		25.309
52.88		
53.08		25.308
53.28		25.307
53.48		25.304
53.68		25.302
53.88		25.298

54.		25.296
54.02		
54.04		
54.1		25.295
54.28		25.293
54.48		25.292
54.68		25.29
54.88		25.289
55.08		25.288
55.28		25.287
55.48		25.286
55.68		25.285
55.88		25.284
56.		
56.02		
56.04		
56.1		
56.28		25.287
56.48		25.291
56.68		25.296
56.88		25.302
57.08		25.309
57.28		25.316
57.48		25.324
57.68		25.333
57.88		25.342
58.		25.348
58.02		25.349
58.04		
58.1		25.352
58.28		25.358
58.48		25.365
58.68		25.371
58.88		25.377
59.08		25.383
59.28		25.389
59.48		25.394
59.68		25.4
59.88		25.405
60.		25.408
60.02		25.409
60.04		
60.1		25.41
60.28		25.413
60.48		25.415
60.68		25.416
60.88		25.417
61.08		25.418

61.28		25.417
61.48		
61.68		25.416
61.88		25.415
62.		25.414
62.02		
62.04		
62.1		
62.28		25.417
62.48		25.421
62.68		25.427
62.88		25.433
63.08		25.44
63.28		25.448
63.48		25.457
63.68		25.466
63.88		25.475
64.		25.481
64.02		25.482
64.04		25.483
64.1		25.487
64.28		25.499
64.48		25.515
64.68		25.531
64.88		25.549
65.08		25.568
65.28		25.588
65.48		25.609
65.68		25.631
65.88		25.653
66.		25.667
66.02		25.669
66.04		25.671
66.1		25.676
66.28		25.687
66.48		25.696
66.68		25.702
66.88		25.706
67.08		25.708
67.28		
67.48		25.707
67.68		25.704
67.88		25.7
68.		25.698
68.02		25.697
68.04		
68.1		
68.28		25.699

68.48		25.703
68.68		25.709
68.88		25.715
69.08		25.723
69.28		25.731
69.48		25.74
69.68		25.75
69.88		25.76
70.		25.766
70.02		25.767
70.04		25.768
70.1		25.77
70.28		25.775
70.48		25.78
70.68		25.784
70.88		25.786
71.08		25.789
71.28		25.79
71.48		25.791
71.68		
71.88		
72.		
72.02		
72.04		
72.1		25.792
72.28		25.796
72.48		25.802
72.68		25.809
72.88		25.817
73.08		25.826
73.28		25.836
73.48		25.846
73.68		25.857
73.88		25.868
74.		25.875
74.02		25.876
74.04		25.877
74.1		25.88
74.28		25.889
74.48		25.897
74.68		25.905
74.88		25.912
75.08		25.919
75.28		25.926
75.48		25.932
75.68		25.939
75.88		25.945
76.		25.948

76.02		25.949
76.04		
76.1		25.951
76.28		25.953
76.48		
76.68		
76.88		25.951
77.08		25.949
77.28		25.946
77.48		25.942
77.68		25.937
77.88		25.932
78.		25.929
78.02		25.928
78.04		
78.1		25.927
78.28		25.926
78.48		25.927
78.68		25.928
78.88		25.931
79.08		25.934
79.28		25.937
79.48		25.942
79.68		25.946
79.88		25.951
80.		25.954
80.02		25.955
80.04		
80.1		25.956
80.28		25.959
80.48		25.96
80.68		25.962
80.88		
81.08		
81.28		
81.48		
81.68		25.961
81.88		25.96
82.		
82.02		25.959
82.04		
82.1		
82.28		25.956
82.48		25.952
82.68		25.947
82.88		25.942
83.08		25.937
83.28		25.93

83.48		25.924
83.68		25.917
83.88		25.909
84.		25.904
84.02		
84.04		25.903
84.1		25.901
84.28		25.897
84.48		25.893
84.68		25.889
84.88		25.886
85.08		25.884
85.28		25.881
85.48		25.879
85.68		25.877
85.88		25.876
86.		25.875
86.02		
86.04		
86.1		
86.28		
86.48		25.877
86.68		25.879
86.88		25.882
87.08		25.885
87.28		25.889
87.48		25.894
87.68		25.898
87.88		25.904
88.		25.907
88.02		
88.04		25.908
88.1		25.909
88.28		25.91
88.48		
88.68		
88.88		25.908
89.08		25.906
89.28		25.904
89.48		25.901
89.68		25.897
89.88		25.893
90.		25.891
90.02		25.89
90.04		
90.1		25.889
90.28		25.886
90.48		25.883

90.68		25.88
90.88		25.877
91.08		25.875
91.28		25.872
91.48		25.869
91.68		25.867
91.88		25.864
92.		25.862
92.02		
92.04		
92.1		
92.28		
92.48		25.864
92.68		25.867
92.88		25.87
93.08		25.874
93.28		25.879
93.48		25.884
93.68		25.89
93.88		25.896
94.		25.9
94.02		25.901
94.04		
94.1		25.903
94.28		25.906
94.48		25.908
94.68		25.91
94.88		25.911
95.08		
95.28		25.912
95.48		
95.68		25.911
95.88		
96.		25.91
96.02		
96.04		
96.1		
96.28		
96.48		
96.68		25.911
96.88		25.912
97.08		
97.28		25.913
97.48		25.914
97.68		25.915
97.88		25.916
98.		
98.02		

98.04		25.917
98.1		
98.28		
98.48		
98.68		
98.88		
99.08		
99.28		25.916
99.48		
99.68		25.915
99.88		25.914
100.		
100.02		
100.04		
100.1		
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100.48		
100.68		25.912
100.88		
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101.28		
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101.68		
101.88		
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102.02		
102.04		
102.1		
102.28		25.91
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103.48		
103.68		
103.88		
104.		
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104.04		
104.1		
104.28		
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104.68		25.912
104.88		25.913
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105.28		25.915
105.48		25.916

105.68		25.918
105.88		25.919
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106.48		25.927
106.68		25.93
106.88		25.934
107.08		25.938
107.28		25.942
107.48		25.947
107.68		25.952
107.88		25.957
108.		25.96
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108.04		25.961
108.1		25.963
108.28		25.969
108.48		25.976
108.68		25.983
108.88		25.991
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109.28		26.009
109.48		26.018
109.68		26.028
109.88		26.037
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110.04		26.045
110.1		26.048
110.28		26.055
110.48		26.062
110.68		26.069
110.88		26.075
111.08		26.081
111.28		26.087
111.48		26.093
111.68		26.098
111.88		26.104
112.		26.107
112.02		
112.04		
112.1		26.108
112.28		26.109
112.48		26.108
112.68		26.105

112.88		26.102
113.08		26.097
113.28		26.092
113.48		26.085
113.68		26.078
113.88		26.07
114.		26.065
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114.04		26.064
114.1		26.062
114.28		26.057
114.48		26.053
114.68		26.049
114.88		26.045
115.08		26.042
115.28		26.039
115.48		26.036
115.68		26.033
115.88		26.031
116.		26.029
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116.04		
116.1		26.028
116.28		26.03
116.48		26.032
116.68		26.036
116.88		26.04
117.08		26.045
117.28		26.051
117.48		26.058
117.68		26.065
117.88		26.073
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118.04		26.08
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118.88		26.102
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119.28		26.111
119.48		26.115
119.68		26.119
119.88		26.123
120.		26.125
120.02		26.126
120.04		

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120.28		26.13
120.48		26.133
120.68		26.136
120.88		26.138
121.08		26.141
121.28		26.143
121.48		26.145
121.68		26.147
121.88		26.149
122.		26.15
122.02		
122.04		
122.1		26.151
122.28		
122.48		26.152
122.68		26.151
122.88		
123.08		26.15
123.28		26.149
123.48		26.147
123.68		26.146
123.88		26.144
124.		26.142
124.02		
124.04		
124.1		
124.28		26.141
124.48		
124.68		
124.88		26.142
125.08		
125.28		26.143
125.48		26.144
125.68		26.145
125.88		26.146
126.		26.147
126.02		
126.04		
126.1		26.149
126.28		26.155
126.48		26.164
126.68		26.175
126.88		26.187
127.08		26.2
127.28		26.214
127.48		26.23
127.68		26.246

127.88		26.264
128.		26.275
128.02		26.276
128.04		26.278
128.1		26.282
128.28		26.289
128.48		26.295
128.68		26.298
128.88		26.299
129.08		
129.28		26.297
129.48		26.295
129.68		26.291
129.88		26.286
130.		26.282
130.02		
130.04		26.281
130.1		26.28
130.28		26.278
130.48		26.277
130.68		26.275
130.88		26.274
131.08		
131.28		26.273
131.48		
131.68		
131.88		26.272
132.		
132.02		
132.04		
132.1		
132.28		26.268
132.48		26.264
132.68		26.258
132.88		26.252
133.08		26.244
133.28		26.237
133.48		26.228
133.68		26.219
133.88		26.21
134.		26.204
134.02		26.203
134.04		26.202
134.1		26.201
134.28		26.199
134.48		26.201
134.68		26.204
134.88		26.21

135.08		26.216
135.28		26.224
135.48		26.234
135.68		26.244
135.88		26.256
136.		26.263
136.02		26.264
136.04		26.265
136.1		26.269
136.28		26.28
136.48		26.293
136.68		26.307
136.88		26.321
137.08		26.336
137.28		26.351
137.48		26.367
137.68		26.383
137.88		26.4
138.		26.411
138.02		26.412
138.04		26.414
138.1		26.417
138.28		26.424
138.48		26.429
138.68		26.431
138.88		
139.08		26.43
139.28		26.427
139.48		26.422
139.68		26.417
139.88		26.41
140.		26.405
140.02		
140.04		26.404
140.1		
140.28		26.406
140.48		26.412
140.68		26.421
140.88		26.431
141.08		26.443
141.28		26.456
141.48		26.471
141.68		26.487
141.88		26.503
142.		26.514
142.02		26.515
142.04		26.517
142.1		26.521

142.28		26.528
142.48		26.534
142.68		26.538
142.88		26.54
143.08		26.541
143.28		26.54
143.48		26.539
143.68		26.536
143.88		26.533
144.		26.53
144.02		
144.04		
144.1		
144.28		26.531
144.48		26.534
144.68		26.538
144.88		26.543
145.08		26.549
145.28		26.555
145.48		26.563
145.68		26.57
145.88		26.578
146.		26.583
146.02		26.584
146.04		26.585
146.1		26.586
146.28		26.591
146.48		26.596
146.68		26.599
146.88		26.603
147.08		26.606
147.28		26.608
147.48		26.61
147.68		26.612
147.88		26.613
148.		26.614
148.02		
148.04		26.615
148.1		
148.28		26.618
148.48		26.621
148.68		26.624
148.88		26.628
149.08		26.632
149.28		26.636
149.48		26.64
149.68		26.644
149.88		26.648

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150.01		
150.02		
150.05		26.652
150.14		26.655
150.24		26.657
150.34		26.661
150.44		26.664
150.54		26.667
150.64		26.671
150.74		26.675
150.84		26.678
150.94		26.682
151.		26.685
151.01		
151.02		26.686
151.05		26.687
151.14		26.694
151.24		26.703
151.34		26.713
151.44		26.724
151.54		26.735
151.64		26.748
151.74		26.761
151.84		26.775
151.94		26.789
152.		26.798
152.01		26.8
152.02		26.801
152.05		26.804
152.14		26.812
152.24		26.818
152.34		26.823
152.44		26.826
152.54		26.828
152.64		26.829
152.74		
152.84		26.828
152.94		26.827
153.		26.826
153.01		
153.02		26.825
153.05		
153.14		26.822
153.24		26.818
153.34		26.813
153.44		26.807
153.54		26.801

153.64		26.794
153.74		26.787
153.84		26.779
153.94		26.771
154.		26.766
154.01		26.765
154.02		26.764
154.05		26.763
154.14		26.762
154.24		26.764
154.34		26.768
154.44		26.773
154.54		26.78
154.64		26.788
154.74		26.798
154.84		26.808
154.94		26.819
155.		26.827
155.01		26.828
155.02		26.829
155.05		26.832
155.14		26.842
155.24		26.854
155.34		26.865
155.44		26.877
155.54		26.888
155.64		26.901
155.74		26.913
155.84		26.925
155.94		26.938
156.		26.946
156.01		26.947
156.02		26.949
156.05		26.952
156.14		26.958
156.24		26.963
156.34		26.967
156.44		26.969
156.54		26.97
156.64		26.969
156.74		26.968
156.84		26.967
156.94		26.964
157.		26.962
157.01		
157.02		
157.05		26.961
157.14		26.96

157.24		26.959
157.34		
157.44		
157.54		
157.64		
157.74		26.96
157.84		
157.94		
158.		
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158.02		
158.05		
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158.64		26.968
158.74		26.97
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158.94		26.973
159.		26.974
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160.84		27.131
160.94		27.146
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161.02		27.158
161.05		27.162
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161.64		27.163
161.74		27.157
161.84		27.149
161.94		27.141
162.		27.135
162.01		27.134
162.02		27.133
162.05		27.131
162.14		27.127
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162.54		27.117
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162.74		27.115
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162.94		27.114
163.		
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163.84		27.129
163.94		27.132
164.		27.133
164.01		27.134
164.02		
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164.14		27.143
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164.34		27.165
164.44		27.178
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164.84		27.241
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165.05		27.278
165.14		27.291
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165.64		27.349
165.74		27.359
165.84		27.368
165.94		27.378
166.		27.383
166.01		27.384
166.02		27.385
166.05		27.387
166.14		27.39
166.24		
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166.44		27.387
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166.74		27.371
166.84		27.363
166.94		27.355
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167.05		27.345
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167.34		27.334
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167.64		27.328
167.74		27.327
167.84		27.326
167.94		
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168.01		27.325
168.02		
168.05		
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168.24		27.316

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168.54		27.296
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168.74		27.279
168.84		27.27
168.94		27.26
169.		27.254
169.01		27.253
169.02		
169.05		27.252
169.14		27.255
169.24		27.263
169.34		27.275
169.44		27.29
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169.64		27.328
169.74		27.35
169.84		27.375
169.94		27.401
170.		27.418
170.01		27.42
170.02		27.423
170.05		27.43
170.14		27.449
170.24		27.468
170.34		27.485
170.44		27.502
170.54		27.518
170.64		27.534
170.74		27.549
170.84		27.563
170.94		27.578
171.		27.587
171.01		27.588
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171.05		27.592
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171.84		27.571
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172.		27.554
172.01		27.553

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173.84		27.579
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175.05		27.644
175.14		27.648
175.24		27.651
175.34		27.653
175.44		27.654
175.54		27.655
175.64		
175.74		

175.84		27.654
175.94		27.652
176.		27.651
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176.02		
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176.14		27.657
176.24		27.665
176.34		27.675
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176.64		27.715
176.74		27.73
176.84		27.747
176.94		27.765
177.		27.776
177.01		27.777
177.02		27.779
177.05		27.783
177.14		27.791
177.24		27.796
177.34		27.799
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177.54		27.799
177.64		27.796
177.74		27.792
177.84		27.787
177.94		27.781
178.		27.777
178.01		27.776
178.02		
178.05		27.775
178.14		27.776
178.24		27.78
178.34		27.785
178.44		27.792
178.54		27.801
178.64		27.81
178.74		27.821
178.84		27.832
178.94		27.845
179.		27.852
179.01		27.853
179.02		27.854
179.05		27.856
179.14		
179.24		27.852
179.34		27.844

179.44		27.834
179.54		27.821
179.64		27.805
179.74		27.788
179.84		27.769
179.94		27.748
180.		27.735
180.01		27.733
180.02		27.731
180.05		27.726
180.14		27.715
180.24		27.706
180.34		27.699
180.44		27.694
180.54		27.69
180.64		27.688
180.74		27.686
180.84		
180.94		
181.		
181.01		
181.02		
181.05		27.687
181.14		27.688
181.24		27.69
181.34		27.693
181.44		27.697
181.54		27.701
181.64		27.705
181.74		27.71
181.84		27.715
181.94		27.721
182.		27.724
182.01		27.725
182.02		
182.05		27.727
182.14		27.73
182.24		27.734
182.34		27.736
182.44		27.739
182.54		27.741
182.64		27.743
182.74		27.745
182.84		27.747
182.94		27.749
183.		27.75
183.01		
183.02		

183.05		27.752
183.14		27.757
183.24		27.764
183.34		27.773
183.44		27.783
183.54		27.793
183.64		27.805
183.74		27.817
183.84		27.83
183.94		27.843
184.		27.852
184.01		27.853
184.02		27.854
184.05		27.857
184.14		27.862
184.24		27.864
184.34		
184.44		27.862
184.54		27.858
184.64		27.853
184.74		27.846
184.84		27.839
184.94		27.83
185.		27.824
185.01		27.823
185.02		
185.05		27.821
185.14		27.817
185.24		27.815
185.34		
185.44		
185.54		27.816
185.64		27.818
185.74		27.82
185.84		27.823
185.94		27.827
186.		27.829
186.01		
186.02		
186.05		
186.14		27.827
186.24		27.821
186.34		27.814
186.44		27.805
186.54		27.794
186.64		27.783
186.74		27.77
186.84		27.757

186.94		27.742
187.		27.733
187.01		27.732
187.02		27.73
187.05		27.726
187.14		27.717
187.24		27.709
187.34		27.701
187.44		27.695
187.54		27.689
187.64		27.684
187.74		27.679
187.84		27.675
187.94		27.671
188.		27.668
188.01		
188.02		
188.05		27.666
188.14		27.663
188.24		27.658
188.34		27.654
188.44		27.65
188.54		27.646
188.64		27.642
188.74		27.637
188.84		27.633
188.94		27.629
189.		27.627
189.01		27.626
189.02		
189.05		
189.14		27.627
189.24		27.63
189.34		27.634
189.44		27.641
189.54		27.648
189.64		27.656
189.74		27.665
189.84		27.676
189.94		27.687
190.		27.694
190.01		27.695
190.02		27.696
190.05		27.699
190.14		27.707
190.24		27.715
190.34		27.722
190.44		27.73

190.54		27.737
190.64		27.743
190.74		27.75
190.84		27.757
190.94		27.763
191.		27.767
191.01		27.768
191.02		
191.05		27.769
191.14		27.77
191.24		27.769
191.34		27.767
191.44		27.763
191.54		27.757
191.64		27.751
191.74		27.744
191.84		27.736
191.94		27.726
192.		27.721
192.01		27.72
192.02		27.719
192.05		27.717
192.14		27.711
192.24		27.705
192.34		27.7
192.44		27.695
192.54		27.691
192.64		27.687
192.74		27.683
192.84		27.679
192.94		27.675
193.		27.673
193.01		
193.02		27.672
193.05		27.671
193.14		27.669
193.24		27.666
193.34		27.663
193.44		27.661
193.54		27.659
193.64		27.657
193.74		27.655
193.84		27.653
193.94		27.651
194.		27.65
194.01		
194.02		
194.05		

194.14		27.655
194.24		27.663
194.34		27.674
194.44		27.686
194.54		27.7
194.64		27.715
194.74		27.732
194.84		27.75
194.94		27.769
195.		27.781
195.01		27.783
195.02		27.785
195.05		27.789
195.14		27.796
195.24		27.799
195.34		
195.44		27.797
195.54		27.793
195.64		27.787
195.74		27.779
195.84		27.769
195.94		27.758
196.		27.751
196.01		27.75
196.02		27.749
196.05		27.746
196.14		27.739
196.24		27.733
196.34		27.727
196.44		27.722
196.54		27.717
196.64		27.713
196.74		27.708
196.84		27.704
196.94		27.7
197.		27.698
197.01		27.697
197.02		
197.05		27.696
197.14		
197.24		27.697
197.34		27.699
197.44		27.702
197.54		27.706
197.64		27.711
197.74		27.716
197.84		27.722
197.94		27.729

198.		27.733
198.01		
198.02		27.734
198.05		27.735
198.14		27.738
198.24		27.74
198.34		27.741
198.44		27.742
198.54		27.741
198.64		
198.74		27.74
198.84		27.738
198.94		27.736
199.		27.735
199.01		
199.02		
199.05		27.734
199.14		27.735
199.24		27.737
199.34		27.74
199.44		27.744
199.54		27.748
199.64		27.752
199.74		27.757
199.84		27.763
199.94		27.768
200.		27.772
200.01		27.773
200.02		
200.05		27.775
200.14		27.779
200.24		27.784
200.34		27.789
200.44		27.794
200.54		27.799
200.64		27.804
200.74		27.808
200.84		27.813
200.94		27.818
201.		27.821
201.01		
201.02		
201.05		27.822
201.14		27.821
201.24		27.817
201.34		27.812
201.44		27.806
201.54		27.798

201.64		27.789
201.74		27.778
201.84		27.767
201.94		27.755
202.		27.747
202.01		27.746
202.02		27.745
202.05		27.743
202.14		27.74
202.24		
202.34		27.742
202.44		27.746
202.54		27.752
202.64		27.759
202.74		27.768
202.84		27.778
202.94		27.789
203.		27.796
203.01		27.797
203.02		27.798
203.05		27.8
203.14		27.804
203.24		27.805
203.34		
203.44		27.804
203.54		27.801
203.64		27.797
203.74		27.792
203.84		27.786
203.94		27.779
204.		27.775
204.01		
204.02		27.774
204.05		27.772
204.14		27.768
204.24		27.763
204.34		27.759
204.44		27.756
204.54		27.752
204.64		27.748
204.74		27.746
204.84		27.751
204.94		27.755
205.		27.758
205.01		27.759
205.02		
205.05		27.761
205.14		27.766

205.24		27.772
205.34		27.779
205.44		27.785
205.54		27.792
205.64		27.799
205.74		27.806
205.84		27.814
205.94		27.822
206.		27.826
206.01		27.827
206.02		27.828
206.05		27.83
206.14		27.837
206.24		27.845
206.34		27.852
206.44		27.86
206.54		27.868
206.64		27.876
206.74		27.884
206.84		27.892
206.94		27.901
207.		27.906
207.01		27.907
207.02		27.908
207.05		27.91
207.14		27.918
207.24		27.927
207.34		27.936
207.44		27.945
207.54		27.954
207.64		27.963
207.74		27.973
207.84		27.982
207.94		27.992
208.		27.998
208.01		27.999
208.02		28.
208.05		28.003
208.14		28.012
208.24		28.022
208.34		28.033
208.44		28.043
208.54		28.054
208.64		28.065
208.74		28.076
208.84		28.087
208.94		28.098
209.		28.105

209.01		28.106
209.02		28.108
209.05		28.111
209.14		28.122
209.24		28.135
209.34		28.147
209.44		28.16
209.54		28.174
209.64		28.187
209.74		28.201
209.84		28.215
209.94		28.229
210.		28.238
210.01		28.239
210.02		28.241
210.05		28.245
210.14		28.26
210.24		28.276
210.34		28.293
210.44		28.311
210.54		28.329
210.64		28.348
210.74		28.367
210.84		28.387
210.94		28.418
211.		28.448
211.01		28.452
211.02		28.456
211.05		28.467
211.14		28.489
211.24		28.505
211.34		28.514
211.44		28.519
211.54		28.518
211.64		28.53
211.74		28.546
211.84		28.562
211.94		28.578
212.		28.588
212.01		28.59
212.02		28.591
212.05		28.596
212.14		28.612
212.24		28.629
212.34		28.646
212.44		28.664
212.54		28.682
212.64		28.699

212.74		28.717
212.84		28.735
212.94		28.754
213.		28.765
213.01		28.766
213.02		28.768
213.05		28.775
213.14		28.795
213.24		28.819
213.34		28.844
213.44		28.87
213.54		28.898
213.64		28.926
213.74		28.955
213.84		28.985
213.94		29.016
214.		29.035
214.01		29.038
214.02		29.04
214.05		29.049
214.14		29.074
214.24		29.1
214.34		29.126
214.44		29.152
214.54		29.177
214.64		29.203
214.74		29.228
214.84		29.253
214.94		29.278
215.		29.292
215.01		29.295
215.02		29.297
215.05		29.305
215.14		29.328
215.24		29.355
215.34		29.381
215.44		29.408
215.54		29.435
215.64		29.462
215.74		29.49
215.84		29.517
215.94		29.545
216.		29.561
216.01		29.564
216.02		29.567
216.05		29.576
216.14		29.603
216.24		29.633

216.34		29.664
216.44		29.696
216.54		29.728
216.64		29.761
216.74		29.794
216.84		29.828
216.94		29.862
217.		29.882
217.01		29.886
217.02		29.889
217.05		29.899
217.14		29.929
217.24		29.962
217.34		29.995
217.44		30.028
217.54		30.061
217.64		30.094
217.74		30.127
217.84		30.16
217.94		30.194
218.		30.214
218.01		30.217
218.02		30.22
218.05		30.231
218.14		30.261
218.24		30.296
218.34		30.331
218.44		30.366
218.54		30.402
218.64		30.438
218.74		30.474
218.84		30.51
218.94		30.547
219.		30.569
219.01		30.572
219.02		30.576
219.05		30.587
219.14		30.622
219.24		30.661
219.34		30.701
219.44		30.741
219.54		30.782
219.64		30.824
219.74		30.866
219.84		30.908
219.94		30.951
220.		30.977
220.01		30.981

220.02		30.986
220.05		30.998
220.14		31.036
220.24		31.078
220.34		31.12
220.44		31.162
220.54		31.205
220.64		31.247
220.74		31.289
220.84		31.332
220.94		31.375
221.		31.401
221.01		31.405
221.02		31.409
221.05		31.423
221.14		31.463
221.24		31.509
221.34		31.556
221.44		31.603
221.54		31.651
221.64		31.699
221.74		31.749
221.84		31.798
221.94		31.848
222.		31.878
222.01		31.883
222.02		31.888
222.05		31.904
222.14		31.95
222.24		32.002
222.34		32.055
222.44		32.108
222.54		32.162
222.64		32.217
222.74		32.272
222.84		32.328
222.94		32.384
223.		32.418
223.01		32.424
223.02		32.429
223.05		32.446
223.14		32.498
223.24		32.555
223.34		32.613
223.44		32.671
223.54		32.73
223.64		32.789
223.74		32.849

223.84		32.909
223.94		32.97
224.		33.006
224.01		33.012
224.02		33.019
224.05		33.037
224.14		33.094
224.24		33.159
224.34		33.225
224.44		33.291
224.54		33.359
224.64		33.427
224.74		33.497
224.84		33.567
224.94		33.638
225.		33.68
225.01		33.687
225.02		33.695
225.05		33.716
225.14		33.778
225.24		33.847
225.34		33.916
225.44		33.986
225.54		34.055
225.64		34.124
225.74		34.194
225.84		34.264
225.94		34.334
226.		34.377
226.01		34.384
226.02		34.391
226.05		34.413
226.14		34.478
226.24		34.552
226.34		34.627
226.44		34.703
226.54		34.779
226.64		34.856
226.74		34.934
226.84		35.013
226.94		35.092
227.		35.14
227.01		35.148
227.02		35.156
227.05		35.18
227.14		35.253
227.24		35.335
227.34		35.419

227.44		35.503
227.54		35.587
227.64		35.673
227.74		35.76
227.84		35.847
227.94		35.935
228.		35.988
228.01		35.997
228.02		36.006
228.05		36.032
228.14		36.11
228.24		36.196
228.34		36.283
228.44		36.369
228.54		36.456
228.64		36.542
228.74		36.629
228.84		36.717
228.94		36.804
229.		36.857
229.01		36.865
229.02		36.874
229.05		36.901
229.14		36.984
229.24		37.078
229.34		37.173
229.44		37.27
229.54		37.367
229.64		37.466
229.74		37.566
229.84		37.666
229.94		37.768
230.		37.83
230.01		37.84
230.02		37.85
230.05		37.88
230.14		37.97
230.24		38.069
230.34		38.168
230.44		38.267
230.54		38.367
230.64		38.466
230.74		38.566
230.84		38.666
230.94		38.766
231.		38.826
231.01		38.837
231.02		38.847

231.05		38.877
231.14		38.968
231.24		39.07
231.34		39.172
231.44		39.274
231.54		39.377
231.64		39.481
231.74		39.584
231.84		39.689
231.94		39.793
232.		39.856
232.01		39.866
232.02		39.877
232.05		39.908
232.14		40.002
232.24		40.107
232.34		40.212
232.44		40.317
232.54		40.422
232.64		40.527
232.74		40.633
232.84		40.739
232.94		40.845
233.		40.909
233.01		40.919
233.02		40.93
233.05		40.962
233.14		41.057
233.24		41.164
233.34		41.271
233.44		41.377
233.54		41.484
233.64		41.592
233.74		41.699
233.84		41.807
233.94		41.914
234.		41.979
234.01		41.99
234.02		42.001
234.05		42.033
234.14		42.131
234.24		42.241
234.34		42.35
234.44		42.46
234.54		42.571
234.64		42.682
234.74		42.793
234.84		42.904

234.94		43.016
235.		43.083
235.01		43.094
235.02		43.106
235.05		43.14
235.14		43.244
235.24		43.361
235.34		43.479
235.44		43.598
235.54		43.718
235.64		43.839
235.74		43.961
235.84		44.083
235.94		44.207
236.		44.282
236.01		44.294
236.02		44.307
236.05		44.344
236.14		44.456
236.24		44.582
236.34		44.709
236.44		44.836
236.54		44.965
236.64		45.093
236.74		45.223
236.84		45.354
236.94		45.485
237.		45.564
237.01		45.577
237.02		45.59
237.05		45.63
237.14		45.748
237.24		45.879
237.34		46.011
237.44		46.143
237.54		46.275
237.64		46.408
237.74		46.542
237.84		46.676
237.94		46.81
238.		46.891
238.01		46.904
238.02		46.918
238.05		46.958
238.14		47.081
238.24		47.219
238.34		47.357
238.44		47.496

238.54		47.636
238.64		47.776
238.74		47.917
238.84		48.059
238.94		48.202
239.		48.287
239.01		48.302
239.02		48.316
239.05		48.359
239.14		48.49
239.24		48.636
239.34		48.783
239.44		48.93
239.54		49.079
239.64		49.229
239.74		49.379
239.84		49.53
239.94		49.683
240.		49.774
240.01		49.789
240.02		49.805
240.05		49.85
240.14		49.988
240.24		50.14
240.34		50.294
240.44		50.448
240.54		50.602
240.64		50.757
240.74		50.913
240.84		51.069
240.94		51.226
241.		51.32
241.01		51.336
241.02		51.351
241.05		51.398
241.14		51.536
241.24		51.689
241.34		51.842
241.44		51.994
241.54		52.146
241.64		52.298
241.74		52.449
241.84		52.601
241.94		52.752
242.		52.843
242.01		52.858
242.02		52.874
242.05		52.92

242.14		53.061
242.24		53.219
242.34		53.379
242.44		53.54
242.54		53.702
242.64		53.865
242.74		54.029
242.84		54.194
242.94		54.36
243.		54.459
243.01		54.476
243.02		54.492
243.05		54.54
243.14		54.681
243.24		54.836
243.34		54.988
243.44		55.139
243.54		55.288
243.64		55.436
243.74		55.583
243.84		55.728
243.94		55.873
244.		55.959
244.01		55.974
244.02		55.989
244.05		56.033
244.14		56.167
244.24		56.317
244.34		56.467
244.44		56.619
244.54		56.77
244.64		56.922
244.74		57.074
244.84		57.227
244.94		57.379
245.		57.471
245.01		57.486
245.02		57.502
245.05		57.548
245.14		57.687
245.24		57.843
245.34		58.
245.44		58.157
245.54		58.315
245.64		58.473
245.74		58.632
245.84		58.792
245.94		58.952

246.		59.048
246.01		59.064
246.02		59.08
246.05		59.127
246.14		59.266
246.24		59.419
246.34		59.571
246.44		59.723
246.54		59.873
246.64		60.023
246.74		60.172
246.84		60.32
246.94		60.468
247.		60.556
247.01		60.571
247.02		60.586
247.05		60.632
247.14		60.77
247.24		60.925
247.34		61.081
247.44		61.239
247.54		61.397
247.64		61.556
247.74		61.716
247.84		61.877
247.94		62.038
248.		62.135
248.01		62.151
248.02		62.167
248.05		62.214
248.14		62.352
248.24		62.504
248.34		62.653
248.44		62.802
248.54		62.949
248.64		63.095
248.74		63.239
248.84		63.383
248.94		63.526
249.		63.612
249.01		63.626
249.02		63.64
249.05		63.684
249.14		63.815
249.24		63.961
249.34		64.108
249.44		64.255
249.54		64.402

249.64		64.549
249.74		64.696
249.84		64.843
249.94		64.99
250.		65.078
250.01		65.093
250.02		65.108
250.05		65.152
250.14		65.284
250.24		65.431
250.34		65.578
250.44		65.725
250.54		65.872
250.64		66.019
250.74		66.166
250.84		66.313
250.94		66.46
251.		66.548
251.01		66.563
251.02		66.577
251.05		66.621
251.14		66.754
251.24		66.903
251.34		67.051
251.44		67.199
251.54		67.348
251.64		67.497
251.74		67.646
251.84		67.795
251.94		67.945
252.		68.034
252.01		68.049
252.02		68.064
252.05		68.108
252.14		68.239
252.24		68.384
252.34		68.528
252.44		68.671
252.54		68.814
252.64		68.955
252.74		69.097
252.84		69.237
252.94		69.378
253.		69.461
253.01		69.476
253.02		69.49
253.05		69.532
253.14		69.662

253.24		69.806
253.34		69.951
253.44		70.097
253.54		70.243
253.64		70.389
253.74		70.536
253.84		70.683
253.94		70.83
254.		70.919
254.01		70.933
254.02		70.948
254.05		70.992
254.14		71.124
254.24		71.27
254.34		71.415
254.44		71.561
254.54		71.706
254.64		71.852
254.74		71.997
254.84		72.142
254.94		72.287
255.		72.374
255.01		72.389
255.02		72.403
255.05		72.447
255.14		72.578
255.24		72.724
255.34		72.87
255.44		73.016
255.54		73.162
255.64		73.308
255.74		73.454
255.84		73.601
255.94		73.747
256.		73.835
256.01		73.85
256.02		73.864
256.05		73.909
256.14		74.044
256.24		74.194
256.34		74.346
256.44		74.498
256.54		74.652
256.64		74.805
256.74		74.96
256.84		75.115
256.94		75.271
257.		75.364

257.01		75.38
257.02		75.395
257.05		75.441
257.14		75.578
257.24		75.729
257.34		75.879
257.44		76.029
257.54		76.178
257.64		76.326
257.74		76.475
257.84		76.623
257.94		76.77
258.		76.859
258.01		76.874
258.02		76.888
258.05		76.933
258.14		77.066
258.24		77.213
258.34		77.361
258.44		77.508
258.54		77.656
258.64		77.803
258.74		77.95
258.84		78.097
258.94		78.244
259.		78.332
259.01		78.347
259.02		78.362
259.05		78.406
259.14		78.541
259.24		78.691
259.34		78.842
259.44		78.993
259.54		79.145
259.64		79.297
259.74		79.45
259.84		79.603
259.94		79.756
260.		79.848
260.01		79.863
260.02		79.879
260.05		79.923
260.14		80.056
260.24		80.202
260.34		80.347
260.44		80.491
260.54		80.633
260.64		80.775

260.74		80.916
260.84		81.056
260.94		81.195
261.		81.278
261.01		81.292
261.02		81.306
261.05		81.349
261.14		81.478
261.24		81.622
261.34		81.767
261.44		81.912
261.54		82.058
261.64		82.205
261.74		82.351
261.84		82.498
261.94		82.645
262.		82.733
262.01		82.748
262.02		82.763
262.05		82.807
262.14		82.939
262.24		83.085
262.34		83.231
262.44		83.377
262.54		83.522
262.64		83.668
262.74		83.814
262.84		83.96
262.94		84.105
263.		84.193
263.01		84.207
263.02		84.222
263.05		84.265
263.14		84.395
263.24		84.54
263.34		84.684
263.44		84.827
263.54		84.971
263.64		85.114
263.74		85.257
263.84		85.4
263.94		85.543
264.		85.629
264.01		85.643
264.02		85.657
264.05		85.7
264.14		85.83
264.24		85.976

264.34		86.121
264.44		86.267
264.54		86.413
264.64		86.56
264.74		86.706
264.84		86.853
264.94		87.
265.		87.089
265.01		87.103
265.02		87.118
265.05		87.161
265.14		87.29
265.24		87.431
265.34		87.571
265.44		87.71
265.54		87.849
265.64		87.986
265.74		88.123
265.84		88.26
265.94		88.395
266.		88.476
266.01		88.49
266.02		88.504
266.05		88.545
266.14		88.672
266.24		88.815
266.34		88.959
266.44		89.103
266.54		89.249
266.64		89.395
266.74		89.542
266.84		89.689
266.94		89.837
267.		89.926
267.01		89.94
267.02		89.955
267.05		89.999
267.14		90.13
267.24		90.275
267.34		90.419
267.44		90.563
267.54		90.707
267.64		90.851
267.74		90.994
267.84		91.138
267.94		91.281
268.		91.367
268.01		91.381

268.02		91.396
268.05		91.439
268.14		91.569
268.24		91.714
268.34		91.86
268.44		92.005
268.54		92.151
268.64		92.297
268.74		92.444
268.84		92.59
268.94		92.737
269.		92.825
269.01		92.84
269.02		92.855
269.05		92.899
269.14		93.031
269.24		93.179
269.34		93.327
269.44		93.474
269.54		93.622
269.64		93.771
269.74		93.919
269.84		94.068
269.94		94.217
270.		94.306
270.01		94.321
270.02		94.336
270.05		94.38
270.14		94.514
270.24		94.663
270.34		94.812
270.44		94.961
270.54		95.111
270.64		95.26
270.74		95.409
270.84		95.559
270.94		95.709
271.		95.799
271.01		95.814
271.02		95.828
271.05		95.873
271.14		96.007
271.24		96.155
271.34		96.303
271.44		96.451
271.54		96.598
271.64		96.745
271.74		96.893

271.84		97.04
271.94		97.187
272.		97.275
272.01		97.29
272.02		97.304
272.05		97.348
272.14		97.48
272.24		97.626
272.34		97.772
272.44		97.918
272.54		98.063
272.64		98.209
272.74		98.354
272.84		98.499
272.94		98.644
273.		98.731
273.01		98.745
273.02		98.76
273.05		98.803
273.14		98.93
273.24		99.071
273.34		99.21
273.44		99.349
273.54		99.487
273.64		99.624
273.74		99.76
273.84		99.896
273.94		100.03
274.		100.11
274.01		100.13
274.02		100.14
274.05		100.18
274.14		100.3
274.24		100.44
274.34		100.58
274.44		100.72
274.54		100.85
274.64		100.99
274.74		101.13
274.84		101.26
274.94		101.4
275.		101.48
275.01		101.5
275.02		101.51
275.05		101.55
275.14		101.68
275.24		101.81
275.34		101.95

275.44		102.09
275.54		102.22
275.64		102.36
275.74		102.49
275.84		102.63
275.94		102.77
276.		102.85
276.01		102.86
276.02		102.87
276.05		102.91
276.14		103.04
276.24		103.17
276.34		103.31
276.44		103.44
276.54		103.58
276.64		103.71
276.74		103.85
276.84		103.99
276.94		104.12
277.		104.2
277.01		104.22
277.02		104.23
277.05		104.27
277.14		104.39
277.24		104.53
277.34		104.66
277.44		104.8
277.54		104.93
277.64		105.07
277.74		105.2
277.84		105.33
277.94		105.47
278.		105.55
278.01		105.56
278.02		105.58
278.05		105.62
278.14		105.74
278.24		105.87
278.34		106.01
278.44		106.14
278.54		106.28
278.64		106.41
278.74		106.55
278.84		106.68
278.94		106.82
279.		106.9
279.01		106.91
279.02		106.93

279.05		106.97
279.14		107.09
279.24		107.23
279.34		107.36
279.44		107.5
279.54		107.63
279.64		107.77
279.74		107.9
279.84		108.03
279.94		108.17
280.		108.25
280.01		108.26
280.02		108.28
280.05		108.32
280.14		108.44
280.24		108.58
280.34		108.71
280.44		108.85
280.54		108.99
280.64		109.12
280.74		109.26
280.84		109.4
280.94		109.53
281.		109.62
281.01		109.63
281.02		109.64
281.05		109.69
281.14		109.81
281.24		109.95
281.34		110.08
281.44		110.22
281.54		110.36
281.64		110.5
281.74		110.63
281.84		110.77
281.94		110.91
282.		110.99
282.01		111.
282.02		111.02
282.05		111.06
282.14		111.18
282.24		111.32
282.34		111.46
282.44		111.6
282.54		111.74
282.64		111.88
282.74		112.01
282.84		112.15

282.94		112.29
283.		112.38
283.01		112.39
283.02		112.4
283.05		112.45
283.14		112.57
283.24		112.71
283.34		112.85
283.44		112.99
283.54		113.13
283.64		113.26
283.74		113.4
283.84		113.54
283.94		113.68
284.		113.76
284.01		113.78
284.02		113.79
284.05		113.83
284.14		113.96
284.24		114.1
284.34		114.24
284.44		114.38
284.54		114.52
284.64		114.66
284.74		114.81
284.84		114.95
284.94		115.09
285.		115.18
285.01		115.19
285.02		115.2
285.05		115.25
285.14		115.37
285.24		115.52
285.34		115.66
285.44		115.8
285.54		115.94
285.64		116.08
285.74		116.22
285.84		116.36
285.94		116.5
286.		116.59
286.01		116.6
286.02		116.61
286.05		116.66
286.14		116.79
286.24		116.93
286.34		117.07
286.44		117.22

286.54		117.36
286.64		117.51
286.74		117.66
286.84		117.8
286.94		117.95
287.		118.04
287.01		118.05
287.02		118.07
287.05		118.11
287.14		118.24
287.24		118.38
287.34		118.52
287.44		118.66
287.54		118.8
287.64		118.94
287.74		119.08
287.84		119.22
287.94		119.36
288.		119.44
288.01		119.45
288.02		119.47
288.05		119.51
288.14		119.63
288.24		119.77
288.34		119.91
288.44		120.05
288.54		120.19
288.64		120.33
288.74		120.47
288.84		120.6
288.94		120.74
289.		120.83
289.01		120.84
289.02		120.85
289.05		120.9
289.14		121.02
289.24		121.16
289.34		121.3
289.44		121.43
289.54		121.57
289.64		121.71
289.74		121.85
289.84		121.98
289.94		122.12
290.		122.2
290.01		122.22
290.02		122.23
290.05		122.27

290.14		122.4
290.24		122.53
290.34		122.67
290.44		122.81
290.54		122.94
290.64		123.08
290.74		123.21
290.84		123.35
290.94		123.49
291.		123.57
291.01		123.58
291.02		123.59
291.05		123.63
291.14		123.75
291.24		123.89
291.34		124.02
291.44		124.15
291.54		124.29
291.64		124.42
291.74		124.55
291.84		124.68
291.94		124.81
292.		124.89
292.01		124.91
292.02		124.92
292.05		124.96
292.14		125.08
292.24		125.21
292.34		125.35
292.44		125.48
292.54		125.62
292.64		125.76
292.74		125.89
292.84		126.03
292.94		126.17
293.		126.25
293.01		126.26
293.02		126.28
293.05		126.32
293.14		126.44
293.24		126.57
293.34		126.71
293.44		126.84
293.54		126.98
293.64		127.11
293.74		127.25
293.84		127.38
293.94		127.51

294.		127.59
294.01		127.61
294.02		127.62
294.05		127.66
294.14		127.79
294.24		127.93
294.34		128.07
294.44		128.21
294.54		128.35
294.64		128.49
294.74		128.63
294.84		128.78
294.94		128.92
295.		129.01
295.01		129.02
295.02		129.04
295.05		129.08
295.14		129.23
295.24		129.4
295.34		129.58
295.44		129.75
295.54		129.94
295.64		130.13
295.74		130.32
295.84		130.51
295.94		130.71
296.		130.83
296.01		130.85
296.02		130.87
296.05		130.93
296.14		131.08
296.24		131.25
296.34		131.41
296.44		131.56
296.54		131.71
296.64		131.86
296.74		132.01
296.84		132.15
296.94		132.29
297.		132.38
297.01		132.39
297.02		132.4
297.05		132.45
297.14		132.57
297.24		132.71
297.34		132.85
297.44		132.99
297.54		133.13

297.64		133.26
297.74		133.39
297.84		133.53
297.94		133.66
298.		133.74
298.01		133.75
298.02		133.76
298.05		133.81
298.14		133.94
298.24		134.09
298.34		134.25
298.44		134.41
298.54		134.58
298.64		134.74
298.74		134.91
298.84		135.08
298.94		135.25
299.		135.36
299.01		135.37
299.02		135.39
299.05		135.44
299.14		135.59
299.24		135.75
299.34		135.91
299.44		136.07
299.54		136.24
299.64		136.4
299.74		136.56
299.84		136.71
299.94		136.87
300.		136.97
300.01		136.99
300.02		137.
300.05		137.05
300.14		137.19
300.24		137.35
300.34		137.5
300.44		137.66
300.54		137.81
300.64		137.97
300.74		138.12
300.84		138.28
300.94		138.43
301.		138.52
301.01		138.54
301.02		138.55
301.05		138.6
301.14		138.73

301.24		138.88
301.34		139.02
301.44		139.17
301.54		139.31
301.64		139.45
301.74		139.59
301.84		139.72
301.94		139.86
302.		139.94
302.01		139.96
302.02		139.97
302.05		140.02
302.14		140.16
302.24		140.32
302.34		140.49
302.44		140.67
302.54		140.85
302.64		141.03
302.74		141.21
302.84		141.4
302.94		141.59
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303.01		141.73
303.02		141.75
303.05		141.8
303.14		141.98
303.24		142.17
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303.44		142.57
303.54		142.78
303.64		142.98
303.74		143.19
303.84		143.4
303.94		143.61
304.		143.73
304.01		143.76
304.02		143.78
304.05		143.84
304.14		144.02
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304.64		144.99
304.74		145.18
304.84		145.37
304.94		145.56
305.		145.68

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305.02		145.71
305.05		145.77
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305.24		146.11
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305.64		146.79
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305.84		147.12
305.94		147.28
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306.02		147.41
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308.54		151.05
308.64		151.19

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309.24		152.03
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311.24		154.78
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311.94		155.71
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312.02		155.82
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312.94		157.05
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313.74		158.14
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315.02		159.95
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315.14		160.12
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315.34		160.4
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315.54		160.68
315.64		160.81
315.74		160.95
315.84		161.09
315.94		161.22
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316.01		161.32

316.02		161.33
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316.24		161.64
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316.44		161.93
316.54		162.08
316.64		162.22
316.74		162.37
316.84		162.52
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317.		162.76
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317.02		162.79
317.05		162.83
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317.64		163.6
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317.94		163.97
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318.54		164.7
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318.84		165.06
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319.02		165.27
319.05		165.31
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319.24		165.55
319.34		165.68
319.44		165.81
319.54		165.94
319.64		166.08
319.74		166.21

319.84		166.35
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320.34		167.01
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320.64		167.39
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320.84		167.64
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321.		167.84
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321.02		167.87
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321.14		168.01
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321.84		168.85
321.94		168.96
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322.02		169.06
322.05		169.09
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322.64		169.8
322.74		169.92
322.84		170.04
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323.		170.23
323.01		170.24
323.02		170.25
323.05		170.29
323.14		170.39
323.24		170.51
323.34		170.63

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323.54		170.86
323.64		170.98
323.74		171.1
323.84		171.21
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324.54		172.01
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325.94		173.6
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326.34		174.06
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326.54		174.29
326.64		174.4
326.74		174.52
326.84		174.63
326.94		174.75
327.		174.82
327.01		174.83
327.02		174.84

327.05		174.88
327.14		174.98
327.24		175.1
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327.44		175.33
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327.74		175.68
327.84		175.79
327.94		175.91
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329.44		177.64
329.54		177.75
329.64		177.86
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329.84		178.08
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330.34		178.64
330.44		178.75
330.54		178.86
330.64		178.98
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334.54		183.37
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334.74		183.59
334.84		183.7
334.94		183.82
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336.94		186.02
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337.05		186.14
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337.24		186.35
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337.74		186.91
337.84		187.02
337.94		187.14
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340.54		189.97
340.64		190.08
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342.05		191.61
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343.44		193.1
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343.84		193.53
343.94		193.64
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344.02		193.73
344.05		193.76
344.14		193.86
344.24		193.97
344.34		194.08
344.44		194.18
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344.64		194.4
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344.84		194.62
344.94		194.72
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345.01		194.8
345.02		194.81
345.05		194.84
345.14		194.94
345.24		195.05
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345.44		195.26
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345.64		195.48
345.74		195.59
345.84		195.69
345.94		195.8
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346.02		195.89
346.05		195.92
346.14		196.01
346.24		196.12
346.34		196.23
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346.54		196.44
346.64		196.55
346.74		196.66
346.84		196.76
346.94		196.87
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347.01		196.94
347.02		196.96
347.05		196.99
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347.34		197.3
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347.54		197.51
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348.64		198.7
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348.84		198.91
348.94		199.02
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349.01		199.1
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349.14		199.24

349.24		199.34
349.34		199.45
349.44		199.56
349.54		199.66
349.64		199.77
349.74		199.88
349.84		199.99
349.94		200.09
350.		200.16
350.01		200.17
350.02		200.18
350.05		200.21
350.14		200.31
350.24		200.42
350.34	22.249	200.52
350.44	22.248	200.63
350.54		200.74
350.64	22.247	200.85
350.74	22.246	200.95
350.84	22.245	201.06
350.94		201.17
351.	22.244	201.23
351.01		201.24
351.02		201.25
351.05		201.29
351.14	22.243	201.38
351.24	22.242	201.49
351.34		201.6
351.44	22.241	201.7
351.54	22.24	201.81
351.64		201.92
351.74	22.239	202.03
351.84	22.238	202.13
351.94	22.237	202.24
352.		202.3
352.01		202.32
352.02		202.33
352.05		202.36
352.14	22.236	202.45
352.24	22.235	202.56
352.34		202.67
352.44	22.234	202.77
352.54	22.233	202.88
352.64		202.99
352.74	22.232	203.09
352.84	22.231	203.2
352.94		203.3
353.	22.23	203.37

353.01		203.38
353.02		203.39
353.05		203.42
353.14	22.229	203.51
353.24		203.62
353.34	22.228	203.73
353.44	22.227	203.83
353.54		203.94
353.64	22.226	204.05
353.74	22.225	204.15
353.84		204.26
353.94	22.224	204.37
354.		204.43
354.01		204.44
354.02		204.45
354.05		204.49
354.14	22.223	204.58
354.24	22.222	204.69
354.34		204.8
354.44	22.221	204.9
354.54		205.01
354.64	22.22	205.12
354.74	22.219	205.22
354.84		205.33
354.94	22.218	205.44
355.		205.5
355.01		205.51
355.02		205.52
355.05		205.55
355.14	22.217	205.65
355.24	22.216	205.76
355.34		205.87
355.44	22.215	205.97
355.54		206.08
355.64	22.214	206.19
355.74		206.3
355.84	22.213	206.41
355.94		206.51
356.	22.212	206.58
356.01		206.59
356.02		206.6
356.05		206.63
356.14	22.211	206.73
356.24		206.84
356.34	22.21	206.94
356.44		207.05
356.54	22.209	207.16
356.64		207.26

356.74	22.208	207.37
356.84		207.48
356.94	22.207	207.58
357.		207.65
357.01		207.66
357.02		207.67
357.05		207.7
357.14	22.206	207.8
357.24		207.9
357.34	22.205	208.01
357.44		208.12
357.54	22.204	208.22
357.64		208.33
357.74	22.203	208.43
357.84		208.54
357.94	22.202	208.65
358.		208.71
358.01		208.72
358.02		208.73
358.05		208.76
358.14		208.86
358.24	22.201	208.96
358.34		209.07
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358.54		209.28
358.64	22.199	209.39
358.74		209.49
358.84	22.198	209.6
358.94		209.71
359.		209.77
359.01		209.78
359.02		209.79
359.05		209.82
359.14	22.197	209.92
359.24		210.03
359.34	22.196	210.13
359.44		210.24
359.54	22.195	210.34
359.64		210.45
359.74		210.56
359.84	22.194	210.66
359.94		210.77
360.		210.83
360.01		210.84
360.02		210.85
360.05	22.193	210.89
360.14		210.98
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360.54		211.41
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360.74		211.62
360.84		211.73
360.94	22.19	211.83
361.		211.9
361.01		211.91
361.02		211.92
361.05		211.95
361.14		212.05
361.24	22.189	212.15
361.34		212.26
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361.54	22.188	212.47
361.64		212.58
361.74		212.68
361.84	22.187	212.79
361.94		212.89
362.		212.96
362.01		212.97
362.02		212.98
362.05		213.01
362.14	22.186	213.1
362.24		213.21
362.34		213.32
362.44	22.185	213.42
362.54		213.53
362.64		213.63
362.74	22.184	213.74
362.84		213.84
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363.		214.01
363.01		214.02
363.02		214.03
363.05		214.06
363.14	22.183	214.16
363.24		214.26
363.34		214.37
363.44		214.47
363.54	22.182	214.58
363.64		214.68
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363.94	22.181	215.
364.		215.06
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364.24		215.31
364.34	22.18	215.42
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364.54		215.62
364.64		215.73
364.74	22.179	215.83
364.84		215.94
364.94		216.04
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365.02		216.12
365.05		216.15
365.14		216.25
365.24	22.178	216.35
365.34		216.45
365.44		216.56
365.54		216.66
365.64		216.77
365.74		216.87
365.84	22.177	216.98
365.94		217.08
366.		217.15
366.01		217.16
366.02		217.17
366.05		217.2
366.14		217.29
366.24		217.4
366.34	22.176	217.5
366.44		217.61
366.54		217.72
366.64		217.82
366.74		217.93
366.84		218.03
366.94		218.14
367.		218.2
367.01	22.175	218.21
367.02		218.22
367.05		218.26
367.14		218.35
367.24		218.46
367.34		218.56
367.44		218.67
367.54		218.77
367.64		218.88
367.74		218.98

367.84		219.09
367.94		219.19
368.		219.25
368.01		219.27
368.02		219.28
368.05		219.31
368.14	22.174	219.4
368.24		219.51
368.34		219.61
368.44		219.72
368.54		219.82
368.64		219.93
368.74		220.03
368.84		220.14
368.94		220.24
369.		220.31
369.01		220.32
369.02		220.33
369.05		220.36
369.14		220.45
369.24		220.56
369.34		220.66
369.44		220.77
369.54		220.87
369.64		220.98
369.74	22.173	221.08
369.84		221.19
369.94		221.29
370.		221.35
370.01		221.36
370.02		221.37
370.05		221.4
370.14		221.5
370.24		221.6
370.34		221.71
370.44		221.81
370.54		221.92
370.64		222.02
370.74		222.13
370.84		222.23
370.94		222.34
371.		222.4
371.01	22.172	222.41
371.02		222.42
371.05		222.45
371.14		222.55
371.24		222.65
371.34		222.76

371.44		222.86
371.54		222.97
371.64		223.07
371.74		223.18
371.84		223.28
371.94		223.39
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372.01		223.46
372.02		223.47
372.05		223.5
372.14		223.6
372.24		223.7
372.34		223.81
372.44		223.91
372.54		224.02
372.64	22.173	224.12
372.74		224.22
372.84		224.33
372.94		224.43
373.		224.49
373.01		224.51
373.02		224.52
373.05		224.55
373.14		224.64
373.24		224.74
373.34		224.85
373.44		224.95
373.54		225.06
373.64		225.16
373.74		225.27
373.84		225.37
373.94		225.47
374.		225.54
374.01		225.55
374.02		225.56
374.05		225.59
374.14		225.68
374.24		225.79
374.34		225.89
374.44		226.
374.54	22.174	226.1
374.64		226.21
374.74		226.31
374.84		226.42
374.94		226.52
375.		226.59
375.01		226.6
375.02		226.61

375.05		226.64
375.14		226.73
375.24		226.84
375.34		226.94
375.44		227.05
375.54		227.15
375.64		227.26
375.74		227.36
375.84		227.47
375.94		227.57
376.		227.64
376.01	22.175	227.65
376.02		227.66
376.05		227.69
376.14		227.78
376.24		227.89
376.34		227.99
376.44		228.1
376.54		228.2
376.64		228.31
376.74		228.41
376.84		228.52
376.94	22.176	228.62
377.		228.68
377.01		228.69
377.02		228.7
377.05		228.74
377.14		228.83
377.24		228.93
377.34		229.04
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377.54		229.25
377.64		229.35
377.74		229.46
377.84		229.56
377.94		229.67
378.		229.73
378.01		229.74
378.02	22.178	229.75
378.05		229.78
378.14		229.88
378.24		229.98
378.34		230.08
378.44		230.19
378.54		230.29
378.64	22.179	230.4
378.74		230.5
378.84		230.61

378.94		230.71
379.	22.18	230.78
379.01		230.79
379.02		230.8
379.05		230.83
379.14		230.92
379.24		231.03
379.34		231.13
379.44		231.24
379.54	22.181	231.34
379.64		231.45
379.74		231.55
379.84		231.66
379.94		231.76
380.	22.182	231.83
380.01		231.84
380.02		231.85
380.05		231.88
380.14		231.97
380.24		232.08
380.34		232.18
380.44		232.29
380.54	22.183	232.39
380.64		232.5
380.74		232.6
380.84		232.7
380.94	22.184	232.81
381.		232.87
381.01		232.88
381.02		232.89
381.05		232.92
381.14		233.02
381.24		233.12
381.34	22.185	233.23
381.44		233.33
381.54		233.44
381.64		233.54
381.74		233.65
381.84	22.186	233.75
381.94		233.86
382.		233.92
382.01		233.93
382.02		233.94
382.05		233.97
382.14		234.06
382.24	22.187	234.17
382.34		234.27
382.44		234.38

382.54	22.188	234.48
382.64		234.59
382.74		234.69
382.84		234.8
382.94	22.189	234.9
383.		234.97
383.01		234.98
383.02		234.99
383.05		235.02
383.14		235.11
383.24		235.22
383.34	22.19	235.32
383.44		235.43
383.54		235.53
383.64	22.191	235.63
383.74		235.74
383.84		235.84
383.94		235.95
384.	22.192	236.01
384.01		236.02
384.02		236.03
384.05		236.06
384.14		236.15
384.24		236.26
384.34	22.193	236.36
384.44		236.47
384.54		236.57
384.64		236.68
384.74	22.194	236.78
384.84		236.89
384.94		236.99
385.	22.195	237.06
385.01		237.07
385.02		237.08
385.05		237.11
385.14		237.2
385.24		237.31
385.34	22.196	237.41
385.44		237.52
385.54		237.62
385.64	22.197	237.73
385.74		237.83
385.84		237.94
385.94		238.04
386.	22.198	238.11
386.01		238.12
386.02		238.13
386.05		238.16

386.14		238.25
386.24		238.36
386.34	22.199	238.46
386.44		238.57
386.54		238.67
386.64	22.2	238.78
386.74		238.88
386.84		238.98
386.94	22.201	239.09
387.		239.15
387.01		239.16
387.02		239.17
387.05		239.2
387.14		239.3
387.24	22.202	239.4
387.34		239.51
387.44	22.203	239.61
387.54		239.72
387.64		239.82
387.74	22.204	239.92
387.84		240.03
387.94		240.13
388.	22.205	240.2
388.01		240.21
388.02		240.22
388.05		240.25
388.14		240.34
388.24		240.45
388.34	22.206	240.55
388.44		240.66
388.54		240.76
388.64	22.207	240.87
388.74		240.97
388.84	22.208	241.08
388.94		241.18
389.		241.24
389.01		241.25
389.02		241.26
389.05		241.3
389.14	22.209	241.39
389.24		241.49
389.34		241.6
389.44	22.21	241.7
389.54		241.81
389.64	22.211	241.91
389.74		242.01
389.84		242.12
389.94	22.212	242.22

390.		242.28
390.01		242.29
390.02		242.3
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390.14		242.43
390.24	22.213	242.53
390.34		242.63
390.44	22.214	242.73
390.54		242.84
390.64		242.94
390.74	22.215	243.04
390.84		243.14
390.94		243.25
391.		243.31
391.01	22.216	243.32
391.02		243.33
391.05		243.36
391.14		243.45
391.24	22.217	243.55
391.34		243.65
391.44	22.218	243.76
391.54		243.86
391.64		243.96
391.74	22.219	244.06
391.84		244.17
391.94		244.27
392.		244.33
392.01	22.22	244.34
392.02		244.35
392.05		244.38
392.14	22.221	244.47
392.24		244.58
392.34		244.68
392.44	22.222	244.78
392.54		244.89
392.64	22.223	244.99
392.74		245.09
392.84		245.19
392.94	22.224	245.3
393.		245.36
393.01		245.37
393.02		245.38
393.05	22.225	245.41
393.14		245.5
393.24		245.6
393.34	22.226	245.71
393.44		245.81
393.54	22.227	245.91

393.64		246.02
393.74	22.228	246.12
393.84		246.22
393.94	22.229	246.32
394.		246.39
394.01		246.4
394.02		246.41
394.05		246.44
394.14		246.53
394.24	22.23	246.63
394.34		246.74
394.44	22.231	246.84
394.54		246.94
394.64	22.232	247.04
394.74		247.15
394.84	22.233	247.25
394.94		247.35
395.		247.41
395.01		247.42
395.02		247.43
395.05	22.234	247.46
395.14		247.56
395.24		247.66
395.34	22.235	247.76
395.44		247.87
395.54	22.236	247.97
395.64		248.07
395.74	22.237	248.18
395.84		248.28
395.94	22.238	248.38
396.		248.44
396.01		248.46
396.02		248.47
396.05		248.5
396.14	22.239	248.59
396.24		248.69
396.34	22.24	248.8
396.44		248.9
396.54	22.241	249.
396.64		249.11
396.74	22.242	249.21
396.84		249.32
396.94	22.243	249.42
397.		249.48
397.01		249.49
397.02		249.5
397.05		249.53
397.14		249.63

397.24	22.244	249.73
397.34		249.84
397.44	22.245	249.94
397.54		250.04
397.64	22.246	250.15
397.74		250.25
397.84	22.247	250.35
397.94		250.45
398.	22.248	250.52
398.01		250.53
398.02		250.54
398.05		250.57
398.14		250.66
398.24	22.249	250.76
398.34		250.87
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398.54		251.07
398.64		251.17
398.74		251.27
398.84		251.38
398.94		251.48
399.		251.54
399.01		251.55
399.02		251.56
399.05		251.59
399.14		251.68
399.24		251.78
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399.54		252.09
399.64		252.19
399.74		252.29
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400.02		252.58
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400.44		253.01
400.54		253.11
400.64		253.21
400.74		253.31
400.84		253.42
400.94		253.52
401.		253.58

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401.02		253.6
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401.64		254.23
401.74		254.33
401.84		254.44
401.94		254.54
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402.02		254.62
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402.34		254.95
402.44		255.05
402.54		255.15
402.64		255.25
402.74		255.36
402.84		255.46
402.94		255.56
403.		255.62
403.01		255.63
403.02		255.64
403.05		255.67
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403.24		255.87
403.34		255.97
403.44		256.07
403.54		256.17
403.64		256.27
403.74		256.37
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404.54		257.19
404.64		257.29

404.74		257.39
404.84		257.49
404.94		257.59
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409.84		262.57
409.94		262.67
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412.84		262.85
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414.84		262.61
414.94		262.6
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415.02		
415.05		
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415.64		262.52
415.74		262.51

415.84		262.5
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419.34		262.1

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423.02		

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423.84		261.57
423.94		261.56
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426.84		261.22

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427.94		261.09
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684.		235.11
694.		234.24
700.		233.71
701.		233.62
702.		233.53
705.		233.27
714.		232.48
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744.		229.86
754.		228.98
764.		228.11
774.		227.24
784.		226.37
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801.		224.88
802.		224.8
805.		224.54
814.		223.75
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834.		222.01
844.		221.14
854.		220.28
864.		219.41
874.		218.54
884.		217.68
894.		216.81
900.		216.29
901.		216.21
902.		216.12

905.		215.86
914.		215.09
924.		214.23
934.		213.37
944.		212.51
954.		211.65
964.		210.79
974.		209.94
984.		209.09
994.		208.23
1000.		207.72
1002.		207.55
1004.		207.38
1010.		206.88
1028.		205.36
1048.		203.67
1068.		202.
1088.		200.34
1108.		198.69
1128.		197.04
1148.		195.41
1168.		193.79
1188.		192.18
1200.		191.22
1202.		191.06
1204.		190.9
1210.		190.42
1228.		188.99
1248.		187.42
1268.		185.85
1288.		184.31
1308.		182.77
1328.		181.25
1348.		179.74
1368.		178.24
1388.		176.76
1400.		175.87
1402.		175.72
1404.		175.58
1410.		175.14
1428.		173.83
1448.		172.38
1468.		170.95
1488.		169.54
1508.		168.14
1528.		166.75
1548.		165.37
1568.		164.01

1588.		162.66
1600.		161.86
1602.		161.73
1604.		161.59
1610.		161.19
1628.		160.
1648.		158.7
1668.		157.4
1688.		156.12
1708.		154.85
1728.		153.6
1748.		152.36
1768.		151.13
1788.		149.91
1800.		149.18
1802.		149.06
1804.		148.94
1810.		148.58
1828.		147.51
1848.		146.33
1868.		145.16
1888.	22.244	144.01
1908.	22.238	142.87
1928.	22.232	141.74
1948.	22.226	140.62
1968.	22.22	139.52
1988.	22.215	138.43
2000.	22.212	137.78
2002.	22.211	137.67
2004.	22.21	137.56
2010.	22.209	137.23
2028.	22.204	136.27
2048.	22.199	135.21
2068.	22.194	134.17
2088.	22.189	133.13
2108.	22.184	132.11
2128.	22.18	131.09
2148.	22.175	130.09
2168.	22.171	129.09
2188.	22.166	128.11
2200.	22.164	127.53
2202.	22.163	127.43
2204.		127.33
2210.	22.162	127.04
2228.	22.158	126.17
2248.	22.154	125.22
2268.	22.15	124.27
2288.	22.146	123.34

2308.	22.142	122.41
2328.	22.139	121.5
2348.	22.135	120.59
2368.	22.131	119.69
2388.	22.128	118.81
2400.	22.126	118.27
2402.		118.19
2404.	22.125	118.1
2410.	22.124	117.83
2428.	22.121	117.05
2448.	22.118	116.19
2468.	22.115	115.33
2488.	22.112	114.49
2508.	22.109	113.65
2528.	22.106	112.82
2548.	22.103	112.
2568.	22.1	111.19
2588.	22.098	110.38
2600.	22.096	109.9
2602.		109.82
2604.	22.095	109.74
2610.		109.5
2628.	22.092	108.79
2648.	22.09	108.01
2668.	22.087	107.24
2688.	22.085	106.47
2708.	22.082	105.71
2728.	22.08	104.96
2748.	22.078	104.22
2768.	22.075	103.48
2788.	22.073	102.75
2800.	22.072	102.32
2802.		102.24
2804.	22.071	102.17
2810.		101.95
2828.	22.069	101.31
2848.	22.067	100.6
2868.	22.065	99.9
2888.	22.063	99.206
2908.	22.061	98.521
2928.	22.059	97.843
2948.	22.057	97.171
2968.	22.055	96.505
2988.	22.053	95.846
3000.	22.052	95.453
3002.		95.387
3004.		95.322
3010.	22.051	95.126

3028.	22.05	94.544
3048.	22.048	93.903
3068.	22.046	93.269
3088.	22.045	92.641
3108.	22.043	92.018
3128.	22.042	91.401
3148.	22.04	90.79
3168.	22.039	90.185
3188.	22.037	89.586
3200.	22.036	89.228
3202.		89.168
3204.		89.109
3210.	22.035	88.93
3228.	22.034	88.401
3248.	22.033	87.818
3268.	22.031	87.241
3288.	22.03	86.668
3308.	22.029	86.102
3328.	22.027	85.54
3348.	22.026	84.984
3368.	22.025	84.433
3388.	22.024	83.886
3400.	22.023	83.56
3402.		83.506
3404.		83.452
3410.	22.022	83.29
3428.	22.021	82.807
3448.	22.02	82.276
3468.	22.019	81.749
3488.	22.018	81.228
3508.	22.017	80.711
3528.	22.016	80.199
3548.	22.014	79.692
3568.	22.013	79.189
3588.	22.012	78.691
3600.		78.396
3602.		78.346
3604.		78.297
3610.	22.011	78.15
3628.	22.01	77.712
3648.	22.009	77.23
3668.	22.008	76.752
3688.	22.007	76.278
3708.	22.006	75.809
3728.		75.344
3748.	22.005	74.883
3768.	22.004	74.426
3788.	22.003	73.973

3800.	22.002	73.702
3802.		73.657
3804.		73.612
3810.		73.478
3828.	22.001	73.077
3848.	22.	72.636
3868.	21.999	72.199
3888.		71.766
3908.	21.998	71.337
3928.	21.997	70.911
3948.	21.996	70.489
3968.	21.995	70.071
3988.		69.657
4000.	21.994	69.409
4002.		69.368
4004.		69.327
4010.		69.204
4028.	21.993	68.837
4048.	21.991	68.433
4068.	21.99	68.033
4088.	21.989	67.636
4108.	21.988	67.243
4128.	21.987	66.853
4148.	21.986	66.467
4168.	21.985	66.084
4188.	21.984	65.705
4200.	21.983	65.48
4202.		65.442
4204.		65.404
4210.		65.292
4228.	21.982	64.958
4248.	21.981	64.59
4268.	21.98	64.225
4288.	21.979	63.864
4308.	21.978	63.505
4328.	21.977	63.149
4348.	21.976	62.797
4368.	21.975	62.447
4388.	21.974	62.101
4400.	21.973	61.894
4402.		61.859
4404.		61.825
4410.		61.722
4428.	21.972	61.415
4448.	21.971	61.077
4468.	21.97	60.742
4488.	21.969	60.41
4508.		60.081

4528.	21.968	59.754
4548.	21.967	59.43
4568.	21.966	59.109
4588.	21.965	58.791
4600.		58.6
4602.	21.964	58.569
4604.		58.537
4610.		58.442
4628.	21.963	58.161
4648.		57.85
4668.	21.962	57.542
4688.	21.961	57.237
4708.	21.96	56.934
4728.	21.959	56.634
4748.		56.338
4768.	21.958	56.045
4788.	21.957	55.753
4800.	21.956	55.579
4802.		55.55
4804.		55.521
4810.		55.435
4828.	21.955	55.177
4848.		54.893
4868.	21.954	54.611
4888.	21.953	54.332
4908.	21.952	54.055
4928.		53.78
4948.	21.951	53.507
4968.	21.95	53.237
4988.	21.949	52.968
5000.		52.808
5002.	21.945	52.782
5004.	21.941	52.755
5010.	21.929	52.675
5028.	21.894	52.438
5048.	21.856	52.176
5068.	21.817	51.916
5088.	21.779	51.659
5108.	21.742	51.404
5128.	21.704	51.15
5148.	21.667	50.899
5168.	21.63	50.65
5188.	21.594	50.403
5200.	21.572	50.255
5202.	21.569	50.23
5204.	21.565	50.206
5210.	21.554	50.132
5228.	21.522	49.914

5248.	21.486	49.674
5268.	21.451	49.436
5288.	21.416	49.2
5308.	21.382	48.966
5328.	21.348	48.733
5348.	21.314	48.503
5368.	21.28	48.274
5388.	21.246	48.047
5400.	21.226	47.912
5402.	21.223	47.889
5404.	21.22	47.867
5410.	21.21	47.799
5428.	21.18	47.598
5448.	21.148	47.377
5468.	21.115	47.157
5488.	21.083	46.939
5508.	21.052	46.723
5528.	21.02	46.508
5548.	20.989	46.296
5568.	20.958	46.085
5588.	20.927	45.875
5600.	20.909	45.75
5602.	20.906	45.729
5604.	20.903	45.708
5610.	20.894	45.646
5628.	20.866	45.46
5648.	20.837	45.256
5668.	20.807	45.053
5688.	20.777	44.852
5708.	20.748	44.652
5728.	20.719	44.455
5748.	20.691	44.26
5768.	20.662	44.065
5788.	20.634	43.873
5800.	20.617	43.758
5802.	20.614	43.739
5804.	20.612	43.72
5810.	20.603	43.662
5828.	20.578	43.492
5848.	20.551	43.304
5868.	20.523	43.117
5888.	20.496	42.932
5908.	20.47	42.748
5928.	20.443	42.566
5948.	20.417	42.385
5968.	20.391	42.206
5988.	20.365	42.027
6000.	20.349	41.921

6002.	20.347	41.903
6004.	20.344	41.886
6010.	20.336	41.833
6028.	20.313	41.675
6048.	20.288	41.501
6068.	20.263	41.328
6088.	20.238	41.157
6108.	20.213	40.987
6128.	20.189	40.818
6148.	20.165	40.651
6168.	20.141	40.485
6188.	20.117	40.321
6200.	20.103	40.223
6202.	20.1	40.207
6204.	20.098	40.19
6210.	20.091	40.142
6228.	20.07	39.996
6248.	20.047	39.836
6268.	20.023	39.677
6288.	20.001	39.519
6308.	19.978	39.363
6328.	19.955	39.207
6348.	19.933	39.053
6368.	19.911	38.9
6388.	19.889	38.748
6400.	19.876	38.657
6402.	19.874	38.642
6404.	19.872	38.627
6410.	19.865	38.582
6428.	19.846	38.447
6448.	19.824	38.299
6468.	19.803	38.151
6488.	19.782	38.005
6508.	19.761	37.86
6528.	19.741	37.716
6548.	19.72	37.573
6568.	19.7	37.431
6588.	19.68	37.29
6600.	19.668	37.206
6602.	19.666	37.192
6604.	19.664	37.178
6610.	19.658	37.137
6628.	19.64	37.013
6648.	19.62	36.876
6668.	19.6	36.74
6688.	19.581	36.605
6708.	19.562	36.471
6728.	19.543	36.338

6748.	19.524	36.206
6768.	19.505	36.075
6788.	19.487	35.945
6800.	19.476	35.868
6802.	19.474	35.855
6804.	19.472	35.842
6810.	19.466	35.803
6828.	19.45	35.688
6848.	19.432	35.561
6868.	19.414	35.435
6888.	19.396	35.31
6908.	19.378	35.185
6928.	19.361	35.062
6948.	19.344	34.94
6968.	19.326	34.818
6988.	19.309	34.697
7000.	19.299	34.625
7002.	19.297	34.613
7004.	19.295	34.601
7010.	19.29	34.565
7028.	19.275	34.459
7048.	19.259	34.342
7068.	19.242	34.225
7088.	19.226	34.11
7108.	19.209	33.995
7128.	19.193	33.881
7148.	19.177	33.768
7168.	19.161	33.656
7188.	19.146	33.544
7200.	19.136	33.478

FIGURE 15
Model (X4) > Transient Thermal (X5) > Solution (X6) > Drum Content T

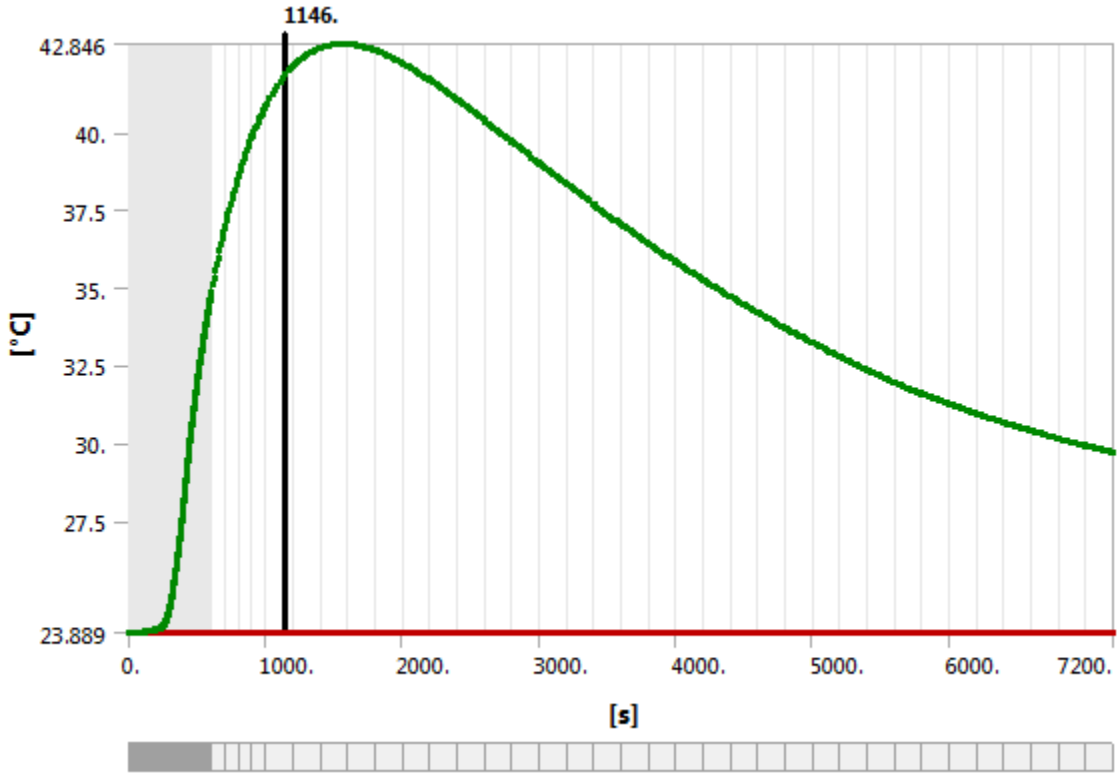

TABLE 27
Model (X4) > Transient Thermal (X5) > Solution (X6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.89	23.89
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		

3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		

10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		
15.48		
15.68		
15.88		
16.		
16.02		
16.04		
16.1		
16.28		
16.48		
16.68		
16.88		
17.08		
17.28		
17.48		
17.68		
17.88		
18.		
18.02		

18.04		
18.1		
18.28		
18.48		
18.68		
18.88		
19.08		
19.28		
19.48		
19.68		
19.88		
20.		
20.02		
20.04		
20.1		
20.28		
20.48		
20.68		
20.88		
21.08		
21.28		
21.48		
21.68		
21.88		
22.		
22.02		
22.04		
22.1		
22.28		
22.48		
22.68		
22.88		
23.08		
23.28		
23.48		
23.68		
23.88		
24.		
24.02		
24.04		
24.1		
24.28		
24.48		
24.68		
24.88		
25.08		
25.28		
25.48		

25.68		
25.88		
26.		
26.02		
26.04		
26.1		
26.28		
26.48		
26.68		23.891
26.88		
27.08		
27.28		
27.48		
27.68		
27.88		
28.		
28.02		
28.04		
28.1		
28.28		
28.48		
28.68		
28.88		
29.08		
29.28		
29.48		
29.68		
29.88		
30.		
30.02		
30.04		
30.1		
30.28		
30.48		
30.68		
30.88		
31.08		
31.28		
31.48		
31.68		
31.88		
32.		
32.02		
32.04		
32.1		
32.28		
32.48		
32.68		

32.88		
33.08		
33.28		
33.48		
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		23.892
34.48		
34.68		
34.88		
35.08		
35.28		
35.48		
35.68		
35.88		
36.		
36.02		
36.04		
36.1		
36.28		
36.48		
36.68		
36.88		
37.08		
37.28		
37.48		
37.68		
37.88		
38.		
38.02		
38.04		
38.1		
38.28		
38.48		
38.68		
38.88		
39.08		
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		

40.1		
40.28		23.893
40.48		
40.68		
40.88		
41.08		
41.28		
41.48		
41.68		
41.88		
42.		
42.02		
42.04		
42.1		
42.28		
42.48		
42.68		
42.88		
43.08		
43.28		
43.48		
43.68		
43.88		
44.		
44.02		
44.04		
44.1		
44.28		
44.48		
44.68		
44.88		
45.08		
45.28		23.894
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		
46.28		
46.48		
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		

47.88		
48.		
48.02		
48.04		
48.1		
48.28		
48.48		
48.68		
48.88		
49.08		
49.28		
49.48		23.895
49.68		
49.88		
50.		
50.02		
50.04		
50.1		
50.28		
50.48		
50.68		
50.88		
51.08		
51.28		
51.48		
51.68		
51.88		
52.		
52.02		
52.04		
52.1		
52.28		
52.48		
52.68		
52.88		
53.08		
53.28		
53.48		23.896
53.68		
53.88		
54.		
54.02		
54.04		
54.1		
54.28		
54.48		
54.68		
54.88		

55.08		
55.28		
55.48		
55.68		
55.88		
56.		
56.02		
56.04		
56.1		
56.28		
56.48		
56.68		
56.88		
57.08		23.897
57.28		
57.48		
57.68		
57.88		
58.		
58.02		
58.04		
58.1		
58.28		
58.48		
58.68		
58.88		
59.08		
59.28		
59.48		
59.68		
59.88		
60.		
60.02		
60.04		
60.1		
60.28		
60.48		23.898
60.68		
60.88		
61.08		
61.28		
61.48		
61.68		
61.88		
62.		
62.02		
62.04		
62.1		

62.28		
62.48		
62.68		
62.88		
63.08		
63.28		
63.48		
63.68		
63.88		
64.		
64.02		
64.04		
64.1		
64.28		
64.48		
64.68		
64.88		
65.08		23.899
65.28		
65.48		
65.68		
65.88		
66.		
66.02		
66.04		
66.1		
66.28		
66.48		
66.68		
66.88		
67.08		
67.28		
67.48		
67.68		
67.88		
68.		
68.02		23.9
68.04		
68.1		
68.28		
68.48		
68.68		
68.88		
69.08		
69.28		
69.48		
69.68		23.901
69.88		

70.		
70.02		
70.04		
70.1		
70.28		
70.48		
70.68		
70.88		
71.08		
71.28		
71.48		
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291.		24.577
291.01		
291.02		
291.05		24.578
291.14		24.579
291.24		24.581
291.34		24.582
291.44		24.584
291.54		24.586
291.64		24.587
291.74		24.589
291.84		24.591
291.94		24.592
292.		24.593
292.01		
292.02		
292.05		24.594
292.14		24.595
292.24		24.597
292.34		24.599
292.44		24.6
292.54		24.602
292.64		24.604
292.74		24.605
292.84		24.607
292.94		24.609
293.		24.61
293.01		
293.02		
293.05		
293.14		24.612
293.24		24.614
293.34		24.615
293.44		24.617
293.54		24.619
293.64		24.62
293.74		24.622
293.84		24.624
293.94		24.625
294.		24.626
294.01		
294.02		24.627
294.05		
294.14		24.629
294.24		24.63
294.34		24.632
294.44		24.634

294.54		24.635
294.64		24.637
294.74		24.639
294.84		24.64
294.94		24.642
295.		24.643
295.01		
295.02		24.644
295.05		
295.14		24.646
295.24		24.647
295.34		24.649
295.44		24.651
295.54		24.652
295.64		24.654
295.74		24.656
295.84		24.658
295.94		24.659
296.		24.66
296.01		24.661
296.02		
296.05		
296.14		24.663
296.24		24.665
296.34		24.666
296.44		24.668
296.54		24.67
296.64		24.672
296.74		24.673
296.84		24.675
296.94		24.677
297.		24.678
297.01		
297.02		
297.05		24.679
297.14		24.681
297.24		24.682
297.34		24.684
297.44		24.686
297.54		24.688
297.64		24.69
297.74		24.691
297.84		24.693
297.94		24.695
298.		24.696
298.01		
298.02		24.697
298.05		

298.14		24.699
298.24		24.701
298.34		24.702
298.44		24.704
298.54		24.706
298.64		24.708
298.74		24.71
298.84		24.712
298.94		24.714
299.		24.715
299.01		
299.02		
299.05		24.716
299.14		24.717
299.24		24.719
299.34		24.721
299.44		24.723
299.54		24.725
299.64		24.727
299.74		24.729
299.84		24.731
299.94		24.732
300.		24.734
300.01		
300.02		
300.05		24.735
300.14		24.736
300.24		24.738
300.34		24.74
300.44		24.742
300.54		24.744
300.64		24.746
300.74		24.748
300.84		24.75
300.94		24.752
301.		24.753
301.01		
301.02		
301.05		24.754
301.14		24.756
301.24		24.758
301.34		24.76
301.44		24.762
301.54		24.764
301.64		24.766
301.74		24.768
301.84		24.77
301.94		24.772

302.		24.773
302.01		
302.02		
302.05		24.774
302.14		24.776
302.24		24.778
302.34		24.78
302.44		24.782
302.54		24.784
302.64		24.786
302.74		24.788
302.84		24.79
302.94		24.792
303.		24.793
303.01		
303.02		
303.05		24.794
303.14		24.796
303.24		24.798
303.34		24.8
303.44		24.802
303.54		24.804
303.64		24.806
303.74		24.808
303.84		24.81
303.94		24.812
304.		24.814
304.01		
304.02		
304.05		24.815
304.14		24.817
304.24		24.819
304.34		24.821
304.44		24.823
304.54		24.825
304.64		24.827
304.74		24.829
304.84		24.831
304.94		24.834
305.		24.835
305.01		
305.02		
305.05		24.836
305.14		24.838
305.24		24.84
305.34		24.842
305.44		24.845
305.54		24.847

305.64		24.849
305.74		24.851
305.84		24.853
305.94		24.856
306.		24.857
306.01		
306.02		
306.05		24.858
306.14		24.86
306.24		24.862
306.34		24.865
306.44		24.867
306.54		24.869
306.64		24.871
306.74		24.874
306.84		24.876
306.94		24.878
307.		24.88
307.01		
307.02		
307.05		24.881
307.14		24.883
307.24		24.885
307.34		24.888
307.44		24.89
307.54		24.892
307.64		24.895
307.74		24.897
307.84		24.899
307.94		24.902
308.		24.903
308.01		
308.02		
308.05		24.904
308.14		24.906
308.24		24.909
308.34		24.911
308.44		24.913
308.54		24.916
308.64		24.918
308.74		24.921
308.84		24.923
308.94		24.925
309.		24.927
309.01		
309.02		
309.05		24.928
309.14		24.93

309.24		24.932
309.34		24.935
309.44		24.937
309.54		24.94
309.64		24.942
309.74		24.945
309.84		24.947
309.94		24.949
310.		24.951
310.01		
310.02		
310.05		24.952
310.14		24.954
310.24		24.957
310.34		24.959
310.44		24.962
310.54		24.964
310.64		24.966
310.74		24.969
310.84		24.971
310.94		24.974
311.		24.975
311.01		
311.02		24.976
311.05		
311.14		24.979
311.24		24.981
311.34		24.984
311.44		24.986
311.54		24.989
311.64		24.991
311.74		24.994
311.84		24.996
311.94		24.998
312.		25.
312.01		
312.02		
312.05		25.001
312.14		25.003
312.24		25.006
312.34		25.008
312.44		25.011
312.54		25.013
312.64		25.016
312.74		25.018
312.84		25.021
312.94		25.024
313.		25.025

313.01		
313.02		25.026
313.05		
313.14		25.029
313.24		25.031
313.34		25.034
313.44		25.036
313.54		25.039
313.64		25.041
313.74		25.044
313.84		25.046
313.94		25.049
314.		25.05
314.01		25.051
314.02		
314.05		25.052
314.14		25.054
314.24		25.056
314.34		25.059
314.44		25.062
314.54		25.064
314.64		25.067
314.74		25.069
314.84		25.072
314.94		25.074
315.		25.076
315.01		
315.02		25.077
315.05		
315.14		25.08
315.24		25.082
315.34		25.085
315.44		25.087
315.54		25.09
315.64		25.093
315.74		25.095
315.84		25.098
315.94		25.1
316.		25.102
316.01		
316.02		25.103
316.05		
316.14		25.106
316.24		25.108
316.34		25.111
316.44		25.114
316.54		25.116
316.64		25.119

316.74		25.121
316.84		25.124
316.94		25.127
317.		25.128
317.01		25.129
317.02		
317.05		25.13
317.14		25.132
317.24		25.135
317.34		25.137
317.44		25.14
317.54		25.143
317.64		25.145
317.74		25.148
317.84		25.151
317.94		25.153
318.		25.155
318.01		
318.02		25.156
318.05		
318.14		25.159
318.24		25.162
318.34		25.164
318.44		25.167
318.54		25.17
318.64		25.172
318.74		25.175
318.84		25.178
318.94		25.18
319.		25.182
319.01		
319.02		25.183
319.05		
319.14		25.186
319.24		25.189
319.34		25.191
319.44		25.194
319.54		25.197
319.64		25.2
319.74		25.202
319.84		25.205
319.94		25.208
320.		25.209
320.01		25.21
320.02		
320.05		25.211
320.14		25.213
320.24		25.216

320.34		25.219
320.44		25.222
320.54		25.224
320.64		25.227
320.74		25.23
320.84		25.233
320.94		25.235
321.		25.237
321.01		
321.02		25.238
321.05		
321.14		25.241
321.24		25.244
321.34		25.246
321.44		25.249
321.54		25.252
321.64		25.255
321.74		25.258
321.84		25.26
321.94		25.263
322.		25.265
322.01		
322.02		
322.05		25.266
322.14		25.269
322.24		25.272
322.34		25.274
322.44		25.277
322.54		25.28
322.64		25.283
322.74		25.286
322.84		25.288
322.94		25.291
323.		25.293
323.01		
323.02		
323.05		25.294
323.14		25.297
323.24		25.3
323.34		25.303
323.44		25.305
323.54		25.308
323.64		25.311
323.74		25.314
323.84		25.317
323.94		25.32
324.		25.321
324.01		25.322

324.02		
324.05		25.323
324.14		25.325
324.24		25.328
324.34		25.331
324.44		25.334
324.54		25.337
324.64		25.339
324.74		25.342
324.84		25.345
324.94		25.348
325.		25.35
325.01		
325.02		
325.05		25.351
325.14		25.354
325.24		25.357
325.34		25.359
325.44		25.362
325.54		25.365
325.64		25.368
325.74		25.371
325.84		25.374
325.94		25.377
326.		25.378
326.01		25.379
326.02		
326.05		25.38
326.14		25.382
326.24		25.385
326.34		25.388
326.44		25.391
326.54		25.394
326.64		25.397
326.74		25.4
326.84		25.403
326.94		25.406
327.		25.407
327.01		25.408
327.02		
327.05		25.409
327.14		25.411
327.24		25.414
327.34		25.417
327.44		25.42
327.54		25.423
327.64		25.426
327.74		25.429

327.84		25.432
327.94		25.435
328.		25.436
328.01		25.437
328.02		
328.05		25.438
328.14		25.44
328.24		25.443
328.34		25.446
328.44		25.449
328.54		25.452
328.64		25.455
328.74		25.458
328.84		25.461
328.94		25.464
329.		25.465
329.01		25.466
329.02		
329.05		25.467
329.14		25.47
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329.64		25.484
329.74		25.487
329.84		25.49
329.94		25.493
330.		25.495
330.01		
330.02		
330.05		25.496
330.14		25.499
330.24		25.502
330.34		25.505
330.44		25.508
330.54		25.511
330.64		25.514
330.74		25.517
330.84		25.52
330.94		25.523
331.		25.524
331.01		25.525
331.02		
331.05		25.526
331.14		25.528
331.24		25.531
331.34		25.534

331.44		25.537
331.54		25.54
331.64		25.543
331.74		25.546
331.84		25.549
331.94		25.552
332.		25.554
332.01		
332.02		25.555
332.05		25.556
332.14		25.558
332.24		25.561
332.34		25.564
332.44		25.567
332.54		25.57
332.64		25.573
332.74		25.576
332.84		25.579
332.94		25.582
333.		25.584
333.01		
333.02		25.585
333.05		
333.14		25.588
333.24		25.591
333.34		25.594
333.44		25.597
333.54		25.6
333.64		25.603
333.74		25.606
333.84		25.609
333.94		25.612
334.		25.614
334.01		
334.02		25.615
334.05		25.616
334.14		25.618
334.24		25.621
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334.44		25.627
334.54		25.63
334.64		25.633
334.74		25.636
334.84		25.639
334.94		25.642
335.		25.644
335.01		25.645
335.02		

335.05		25.646
335.14		25.648
335.24		25.652
335.34		25.655
335.44		25.658
335.54		25.661
335.64		25.664
335.74		25.667
335.84		25.67
335.94		25.673
336.		25.675
336.01		
336.02		
336.05		25.676
336.14		25.679
336.24		25.682
336.34		25.685
336.44		25.688
336.54		25.691
336.64		25.694
336.74		25.697
336.84		25.7
336.94		25.703
337.		25.705
337.01		25.706
337.02		
337.05		25.707
337.14		25.71
337.24		25.713
337.34		25.716
337.44		25.719
337.54		25.722
337.64		25.725
337.74		25.728
337.84		25.731
337.94		25.734
338.		25.736
338.01		
338.02		25.737
338.05		25.738
338.14		25.74
338.24		25.743
338.34		25.746
338.44		25.75
338.54		25.753
338.64		25.756
338.74		25.759
338.84		25.762

338.94		25.765
339.		25.767
339.01		
339.02		25.768
339.05		
339.14		25.771
339.24		25.774
339.34		25.777
339.44		25.781
339.54		25.784
339.64		25.787
339.74		25.79
339.84		25.793
339.94		25.796
340.		25.798
340.01		
340.02		25.799
340.05		25.8
340.14		25.802
340.24		25.806
340.34		25.809
340.44		25.812
340.54		25.815
340.64		25.818
340.74		25.821
340.84		25.824
340.94		25.827
341.		25.829
341.01		25.83
341.02		
341.05		25.831
341.14		25.834
341.24		25.837
341.34		25.84
341.44		25.843
341.54		25.846
341.64		25.849
341.74		25.853
341.84		25.856
341.94		25.859
342.		25.861
342.01		
342.02		
342.05		25.862
342.14		25.865
342.24		25.868
342.34		25.872
342.44		25.875

342.54		25.878
342.64		25.881
342.74		25.884
342.84		25.887
342.94		25.89
343.		25.892
343.01		25.893
343.02		
343.05		25.894
343.14		25.897
343.24		25.9
343.34		25.903
343.44		25.906
343.54		25.91
343.64		25.913
343.74		25.916
343.84		25.919
343.94		25.922
344.		25.924
344.01		25.925
344.02		
344.05		25.926
344.14		25.929
344.24		25.932
344.34		25.935
344.44		25.938
344.54		25.941
344.64		25.945
344.74		25.948
344.84		25.951
344.94		25.954
345.		25.956
345.01		25.957
345.02		
345.05		25.958
345.14		25.961
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345.54		25.974
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345.84		25.983
345.94		25.986
346.		25.988
346.01		25.989
346.02		
346.05		25.99

346.14		25.993
346.24		25.996
346.34		25.999
346.44		26.003
346.54		26.006
346.64		26.009
346.74		26.012
346.84		26.015
346.94		26.019
347.		26.021
347.01		
347.02		
347.05		26.022
347.14		26.025
347.24		26.028
347.34		26.032
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347.54		26.038
347.64		26.041
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347.84		26.048
347.94		26.051
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348.05		26.055
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348.34		26.064
348.44		26.068
348.54		26.071
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348.84		26.081
348.94		26.084
349.		26.086
349.01		
349.02		26.087
349.05		
349.14		26.09
349.24		26.094
349.34		26.097
349.44		26.1
349.54		26.104
349.64		26.107
349.74		26.11
349.84		26.113
349.94		26.117

350.		26.119
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350.02		
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350.24		26.127
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350.44		26.133
350.54		26.137
350.64		26.14
350.74		26.143
350.84		26.146
350.94		26.15
351.		26.152
351.01		
351.02		
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351.14		26.156
351.24		26.16
351.34		26.163
351.44		26.166
351.54		26.17
351.64		26.173
351.74		26.176
351.84		26.18
351.94		26.183
352.		26.185
352.01		
352.02		26.186
352.05		26.187
352.14		26.19
352.24		26.193
352.34		26.196
352.44		26.2
352.54		26.203
352.64		26.206
352.74		26.21
352.84		26.213
352.94		26.216
353.		26.218
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353.02		
353.05		26.22
353.14		26.223
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353.34		26.23
353.44		26.233
353.54		26.237

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353.84		26.247
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354.01		
354.02		26.253
354.05		26.254
354.14		26.257
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354.34		26.264
354.44		26.267
354.54		26.27
354.64		26.274
354.74		26.277
354.84		26.28
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355.		26.286
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355.02		26.287
355.05		26.288
355.14		26.291
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355.34		26.297
355.44		26.301
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355.74		26.311
355.84		26.314
355.94		26.318
356.		26.32
356.01		
356.02		26.321
356.05		26.322
356.14		26.325
356.24		26.328
356.34		26.332
356.44		26.335
356.54		26.338
356.64		26.342
356.74		26.345
356.84		26.349
356.94		26.352
357.		26.354
357.01		
357.02		26.355
357.05		26.356
357.14		26.359

357.24		26.362
357.34		26.366
357.44		26.369
357.54		26.373
357.64		26.376
357.74		26.38
357.84		26.383
357.94		26.386
358.		26.389
358.01		
358.02		
358.05		26.39
358.14		26.393
358.24		26.397
358.34		26.4
358.44		26.404
358.54		26.407
358.64		26.411
358.74		26.414
358.84		26.418
358.94		26.421
359.		26.423
359.01		
359.02		26.424
359.05		26.425
359.14		26.428
359.24		26.431
359.34		26.435
359.44		26.438
359.54		26.442
359.64		26.445
359.74		26.449
359.84		26.452
359.94		26.456
360.		26.458
360.01		
360.02		26.459
360.05		26.46
360.14		26.463
360.24		26.466
360.34		26.47
360.44		26.473
360.54		26.477
360.64		26.48
360.74		26.484
360.84		26.487
360.94		26.491
361.		26.493

361.01		
361.02		26.494
361.05		26.495
361.14		26.498
361.24		26.501
361.34		26.505
361.44		26.508
361.54		26.512
361.64		26.515
361.74		26.519
361.84		26.522
361.94		26.526
362.		26.528
362.01		
362.02		26.529
362.05		26.53
362.14		26.533
362.24		26.537
362.34		26.54
362.44		26.544
362.54		26.547
362.64		26.551
362.74		26.554
362.84		26.558
362.94		26.561
363.		26.564
363.01		
363.02		
363.05		26.565
363.14		26.568
363.24		26.572
363.34		26.576
363.44		26.579
363.54		26.583
363.64		26.586
363.74		26.59
363.84		26.593
363.94		26.597
364.		26.599
364.01		
364.02		26.6
364.05		26.601
364.14		26.604
364.24		26.608
364.34		26.611
364.44		26.615
364.54		26.618
364.64		26.622

364.74		26.626
364.84		26.629
364.94		26.633
365.		26.635
365.01		
365.02		26.636
365.05		26.637
365.14		26.64
365.24		26.644
365.34		26.647
365.44		26.651
365.54		26.654
365.64		26.658
365.74		26.662
365.84		26.665
365.94		26.669
366.		26.671
366.01		
366.02		26.672
366.05		26.673
366.14		26.676
366.24		26.68
366.34		26.683
366.44		26.687
366.54		26.691
366.64		26.694
366.74		26.698
366.84		26.701
366.94		26.705
367.		26.707
367.01		26.708
367.02		
367.05		26.709
367.14		26.712
367.24		26.716
367.34		26.72
367.44		26.723
367.54		26.727
367.64		26.73
367.74		26.734
367.84		26.738
367.94		26.741
368.		26.744
368.01		
368.02		
368.05		26.745
368.14		26.749
368.24		26.752

368.34		26.756
368.44		26.76
368.54		26.763
368.64		26.767
368.74		26.771
368.84		26.774
368.94		26.778
369.		26.78
369.01		26.781
369.02		
369.05		26.782
369.14		26.785
369.24		26.789
369.34		26.793
369.44		26.796
369.54		26.8
369.64		26.804
369.74		26.807
369.84		26.811
369.94		26.815
370.		26.817
370.01		
370.02		26.818
370.05		26.819
370.14		26.822
370.24		26.826
370.34		26.83
370.44		26.833
370.54		26.837
370.64		26.841
370.74		26.845
370.84		26.848
370.94		26.852
371.		26.854
371.01		26.855
371.02		
371.05		26.856
371.14		26.859
371.24		26.863
371.34		26.867
371.44		26.871
371.54		26.874
371.64		26.878
371.74		26.882
371.84		26.885
371.94		26.889
372.		26.891
372.01		26.892

372.02		
372.05		26.893
372.14		26.897
372.24		26.9
372.34		26.904
372.44		26.908
372.54		26.912
372.64		26.915
372.74		26.919
372.84		26.923
372.94		26.927
373.		26.929
373.01		
373.02		26.93
373.05		26.931
373.14		26.934
373.24		26.938
373.34		26.942
373.44		26.945
373.54		26.949
373.64		26.953
373.74		26.957
373.84		26.961
373.94		26.964
374.		26.967
374.01		
374.02		
374.05		26.969
374.14		26.972
374.24		26.976
374.34		26.98
374.44		26.983
374.54		26.987
374.64		26.991
374.74		26.995
374.84		26.998
374.94		27.002
375.		27.005
375.01		
375.02		
375.05		27.006
375.14		27.01
375.24		27.014
375.34		27.018
375.44		27.021
375.54		27.025
375.64		27.029
375.74		27.033

375.84		27.037
375.94		27.04
376.		27.043
376.01		
376.02		
376.05		27.045
376.14		27.048
376.24		27.052
376.34		27.056
376.44		27.06
376.54		27.063
376.64		27.067
376.74		27.071
376.84		27.075
376.94		27.079
377.		27.081
377.01		
377.02		27.082
377.05		27.083
377.14		27.086
377.24		27.09
377.34		27.094
377.44		27.098
377.54		27.102
377.64		27.106
377.74		27.11
377.84		27.113
377.94		27.117
378.		27.12
378.01		
378.02		
378.05		27.122
378.14		27.125
378.24		27.129
378.34		27.133
378.44		27.137
378.54		27.141
378.64		27.144
378.74		27.148
378.84		27.152
378.94		27.156
379.		27.158
379.01		27.159
379.02		
379.05		27.16
379.14		27.164
379.24		27.168
379.34		27.172

379.44		27.176
379.54		27.18
379.64		27.183
379.74		27.187
379.84		27.191
379.94		27.195
380.		27.198
380.01		
380.02		
380.05		27.199
380.14		27.203
380.24		27.207
380.34		27.211
380.44		27.215
380.54		27.219
380.64		27.223
380.74		27.227
380.84		27.231
380.94		27.234
381.		27.237
381.01		
381.02		27.238
381.05		27.239
381.14		27.242
381.24		27.246
381.34		27.25
381.44		27.254
381.54		27.258
381.64		27.262
381.74		27.266
381.84		27.27
381.94		27.274
382.		27.276
382.01		27.277
382.02		
382.05		27.278
382.14		27.282
382.24		27.286
382.34		27.29
382.44		27.294
382.54		27.298
382.64		27.302
382.74		27.306
382.84		27.31
382.94		27.314
383.		27.316
383.01		
383.02		27.317

383.05		27.318
383.14		27.322
383.24		27.326
383.34		27.33
383.44		27.334
383.54		27.338
383.64		27.342
383.74		27.346
383.84		27.35
383.94		27.354
384.		27.356
384.01		
384.02		27.357
384.05		27.358
384.14		27.362
384.24		27.366
384.34		27.37
384.44		27.374
384.54		27.378
384.64		27.382
384.74		27.386
384.84		27.39
384.94		27.394
385.		27.396
385.01		27.397
385.02		
385.05		27.398
385.14		27.402
385.24		27.406
385.34		27.41
385.44		27.414
385.54		27.418
385.64		27.422
385.74		27.426
385.84		27.43
385.94		27.434
386.		27.437
386.01		
386.02		27.438
386.05		27.439
386.14		27.442
386.24		27.446
386.34		27.451
386.44		27.455
386.54		27.459
386.64		27.463
386.74		27.467
386.84		27.471

386.94		27.475
387.		27.477
387.01		27.478
387.02		
387.05		27.479
387.14		27.483
387.24		27.487
387.34		27.491
387.44		27.495
387.54		27.499
387.64		27.504
387.74		27.508
387.84		27.512
387.94		27.516
388.		27.518
388.01		27.519
388.02		
388.05		27.52
388.14		27.524
388.24		27.528
388.34		27.532
388.44		27.536
388.54		27.541
388.64		27.545
388.74		27.549
388.84		27.553
388.94		27.557
389.		27.56
389.01		
389.02		
389.05		27.562
389.14		27.565
389.24		27.569
389.34		27.574
389.44		27.578
389.54		27.582
389.64		27.586
389.74		27.59
389.84		27.594
389.94		27.598
390.		27.601
390.01		
390.02		27.602
390.05		27.603
390.14		27.607
390.24		27.611
390.34		27.615
390.44		27.619

390.54		27.623
390.64		27.628
390.74		27.632
390.84		27.636
390.94		27.64
391.		27.643
391.01		
391.02		
391.05		27.645
391.14		27.648
391.24		27.653
391.34		27.657
391.44		27.661
391.54		27.665
391.64		27.669
391.74		27.674
391.84		27.678
391.94		27.682
392.		27.685
392.01		
392.02		
392.05		27.687
392.14		27.69
392.24		27.695
392.34		27.699
392.44		27.703
392.54		27.707
392.64		27.711
392.74		27.716
392.84		27.72
392.94		27.724
393.		27.727
393.01		
393.02		27.728
393.05		27.729
393.14		27.733
393.24		27.737
393.34		27.741
393.44		27.745
393.54		27.75
393.64		27.754
393.74		27.758
393.84		27.762
393.94		27.767
394.		27.769
394.01		27.77
394.02		
394.05		27.771

394.14		27.775
394.24		27.779
394.34		27.784
394.44		27.788
394.54		27.792
394.64		27.796
394.74		27.801
394.84		27.805
394.94		27.809
395.		27.812
395.01		
395.02		27.813
395.05		27.814
395.14		27.818
395.24		27.822
395.34		27.826
395.44		27.831
395.54		27.835
395.64		27.839
395.74		27.843
395.84		27.848
395.94		27.852
396.		27.855
396.01		
396.02		
396.05		27.857
396.14		27.861
396.24		27.865
396.34		27.869
396.44		27.874
396.54		27.878
396.64		27.882
396.74		27.886
396.84		27.891
396.94		27.895
397.		27.898
397.01		
397.02		27.899
397.05		27.9
397.14		27.904
397.24		27.908
397.34		27.912
397.44		27.917
397.54		27.921
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397.74		27.93
397.84		27.934
397.94		27.939

398.		27.941
398.01		27.942
398.02		
398.05		27.943
398.14		27.947
398.24		27.952
398.34		27.956
398.44		27.96
398.54		27.965
398.64		27.969
398.74		27.973
398.84		27.978
398.94		27.982
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399.01		
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399.05		27.987
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399.84		28.022
399.94		28.026
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400.44		28.048
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400.64		28.057
400.74		28.061
400.84		28.066
400.94		28.07
401.		28.073
401.01		
401.02		28.074
401.05		28.075
401.14		28.079
401.24		28.083
401.34		28.088
401.44		28.092
401.54		28.097

401.64		28.101
401.74		28.106
401.84		28.11
401.94		28.115
402.		28.117
402.01		28.118
402.02		
402.05		28.119
402.14		28.123
402.24		28.128
402.34		28.132
402.44		28.137
402.54		28.141
402.64		28.146
402.74		28.15
402.84		28.155
402.94		28.159
403.		28.162
403.01		
403.02		28.163
403.05		28.164
403.14		28.168
403.24		28.173
403.34		28.177
403.44		28.182
403.54		28.186
403.64		28.191
403.74		28.195
403.84		28.2
403.94		28.204
404.		28.207
404.01		
404.02		28.208
404.05		28.209
404.14		28.213
404.24		28.218
404.34		28.222
404.44		28.227
404.54		28.231
404.64		28.236
404.74		28.24
404.84		28.245
404.94		28.249
405.		28.252
405.01		
405.02		28.253
405.05		28.254
405.14		28.258

405.24		28.263
405.34		28.267
405.44		28.272
405.54		28.276
405.64		28.281
405.74		28.286
405.84		28.29
405.94		28.295
406.		28.297
406.01		28.298
406.02		
406.05		28.3
406.14		28.304
406.24		28.308
406.34		28.313
406.44		28.317
406.54		28.322
406.64		28.327
406.74		28.331
406.84		28.336
406.94		28.34
407.		28.343
407.01		28.344
407.02		
407.05		28.345
407.14		28.349
407.24		28.354
407.34		28.359
407.44		28.363
407.54		28.368
407.64		28.372
407.74		28.377
407.84		28.382
407.94		28.386
408.		28.389
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408.02		28.39
408.05		28.391
408.14		28.395
408.24		28.4
408.34		28.405
408.44		28.409
408.54		28.414
408.64		28.419
408.74		28.423
408.84		28.428
408.94		28.432
409.		28.435

409.01		28.436
409.02		
409.05		28.438
409.14		28.442
409.24		28.446
409.34		28.451
409.44		28.456
409.54		28.46
409.64		28.465
409.74		28.47
409.84		28.474
409.94		28.479
410.		28.482
410.01		
410.02		28.483
410.05		28.484
410.14		28.488
410.24		28.493
410.34		28.498
410.44		28.502
410.54		28.507
410.64		28.512
410.74		28.516
410.84		28.521
410.94		28.526
411.		28.528
411.01		28.529
411.02		
411.05		28.531
411.14		28.535
411.24		28.54
411.34		28.544
411.44		28.549
411.54		28.554
411.64		28.559
411.74		28.563
411.84		28.568
411.94		28.573
412.		28.575
412.01		28.576
412.02		
412.05		28.578
412.14		28.582
412.24		28.587
412.34		28.591
412.44		28.596
412.54		28.601
412.64		28.606

412.74		28.61
412.84		28.615
412.94		28.62
413.		28.622
413.01		28.623
413.02		
413.05		28.625
413.14		28.629
413.24		28.634
413.34		28.638
413.44		28.643
413.54		28.648
413.64		28.652
413.74		28.657
413.84		28.662
413.94		28.666
414.		28.669
414.01		28.67
414.02		
414.05		28.672
414.14		28.676
414.24		28.68
414.34		28.685
414.44		28.69
414.54		28.694
414.64		28.699
414.74		28.704
414.84		28.708
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415.		28.716
415.01		
415.02		28.717
415.05		28.718
415.14		28.722
415.24		28.727
415.34		28.731
415.44		28.736
415.54		28.741
415.64		28.745
415.74		28.75
415.84		28.754
415.94		28.759
416.		28.762
416.01		
416.02		28.763
416.05		28.764
416.14		28.768
416.24		28.773

416.34		28.777
416.44		28.782
416.54		28.787
416.64		28.791
416.74		28.796
416.84		28.8
416.94		28.805
417.		28.808
417.01		
417.02		28.809
417.05		28.81
417.14		28.814
417.24		28.819
417.34		28.823
417.44		28.828
417.54		28.832
417.64		28.837
417.74		28.841
417.84		28.846
417.94		28.85
418.		28.853
418.01		28.854
418.02		
418.05		28.855
418.14		28.86
418.24		28.864
418.34		28.869
418.44		28.873
418.54		28.878
418.64		28.882
418.74		28.887
418.84		28.891
418.94		28.896
419.		28.899
419.01		
419.02		
419.05		28.901
419.14		28.905
419.24		28.909
419.34		28.914
419.44		28.918
419.54		28.923
419.64		28.927
419.74		28.932
419.84		28.936
419.94		28.941
420.		28.944
420.01		

420.02		
420.05		28.946
420.14		28.95
420.24		28.954
420.34		28.959
420.44		28.963
420.54		28.968
420.64		28.972
420.74		28.977
420.84		28.981
420.94		28.986
421.		28.988
421.01		28.989
421.02		
421.05		28.991
421.14		28.995
421.24		28.999
421.34		29.003
421.44		29.008
421.54		29.012
421.64		29.017
421.74		29.021
421.84		29.026
421.94		29.03
422.		29.033
422.01		
422.02		29.034
422.05		29.035
422.14		29.039
422.24		29.043
422.34		29.048
422.44		29.052
422.54		29.057
422.64		29.061
422.74		29.066
422.84		29.07
422.94		29.074
423.		29.077
423.01		29.078
423.02		
423.05		29.079
423.14		29.083
423.24		29.088
423.34		29.092
423.44		29.096
423.54		29.101
423.64		29.105
423.74		29.11

423.84		29.114
423.94	23.889	29.118
424.		29.121
424.01		29.122
424.02		
424.05		29.123
424.14		29.127
424.24		29.132
424.34		29.136
424.44		29.14
424.54		29.145
424.64		29.149
424.74		29.154
424.84		29.158
424.94		29.162
425.		29.165
425.01		
425.02		29.166
425.05		29.167
425.14		29.171
425.24		29.175
425.34		29.18
425.44		29.184
425.54		29.188
425.64		29.193
425.74		29.197
425.84		29.201
425.94		29.206
426.		29.208
426.01		29.209
426.02		
426.05		29.211
426.14		29.215
426.24		29.219
426.34		29.223
426.44		29.228
426.54		29.232
426.64		29.236
426.74		29.241
426.84		29.245
426.94		29.249
427.		29.252
427.01		
427.02		29.253
427.05		29.254
427.14		29.258
427.24		29.262
427.34		29.266

427.44		29.271
427.54		29.275
427.64		29.279
427.74		29.284
427.84		29.288
427.94		29.292
428.		29.295
428.01		
428.02		29.296
428.05		29.297
428.14		29.301
428.24		29.305
428.34		29.309
428.44		29.314
428.54		29.318
428.64		29.322
428.74		29.327
428.84		29.331
428.94		29.335
429.		29.338
429.01		
429.02		29.339
429.05		29.34
429.14		29.344
429.24		29.348
429.34		29.352
429.44		29.357
429.54		29.361
429.64		29.365
429.74		29.369
429.84		29.374
429.94		29.378
430.		29.38
430.01		29.381
430.02		
430.05		29.383
430.14		29.386
430.24		29.391
430.34		29.395
430.44		29.399
430.54		29.403
430.64		29.408
430.74		29.412
430.84		29.416
430.94		29.42
431.		29.423
431.01		
431.02		29.424

431.05		29.425
431.14		29.429
431.24		29.433
431.34		29.437
431.44		29.442
431.54		29.446
431.64		29.45
431.74		29.454
431.84		29.458
431.94		29.463
432.		29.465
432.01		29.466
432.02		
432.05		29.467
432.14		29.471
432.24		29.475
432.34		29.479
432.44		29.484
432.54		29.488
432.64		29.492
432.74		29.496
432.84		29.5
432.94		29.505
433.		29.507
433.01		29.508
433.02		
433.05		29.509
433.14		29.513
433.24		29.517
433.34		29.521
433.44		29.526
433.54		29.53
433.64		29.534
433.74		29.538
433.84		29.542
433.94		29.547
434.		29.549
434.01		
434.02		29.55
434.05		29.551
434.14		29.555
434.24		29.559
434.34		29.563
434.44		29.567
434.54		29.572
434.64		29.576
434.74		29.58
434.84		29.584

434.94		29.588
435.		29.591
435.01		
435.02		
435.05		29.593
435.14		29.596
435.24		29.601
435.34		29.605
435.44		29.609
435.54		29.613
435.64		29.617
435.74		29.621
435.84		29.625
435.94		29.63
436.		29.632
436.01		29.633
436.02		
436.05		29.634
436.14		29.638
436.24		29.642
436.34		29.646
436.44		29.65
436.54		29.654
436.64		29.659
436.74		29.663
436.84		29.667
436.94		29.671
437.		29.673
437.01		29.674
437.02		
437.05		29.675
437.14		29.679
437.24		29.683
437.34		29.687
437.44		29.691
437.54		29.696
437.64		29.7
437.74		29.704
437.84		29.708
437.94		29.712
438.		29.714
438.01		29.715
438.02		
438.05		29.716
438.14		29.72
438.24		29.724
438.34		29.728
438.44		29.732

438.54		29.736
438.64		29.741
438.74		29.745
438.84		29.749
438.94		29.753
439.		29.755
439.01		29.756
439.02		
439.05		29.757
439.14		29.761
439.24		29.765
439.34		29.769
439.44		29.773
439.54		29.777
439.64		29.781
439.74		29.785
439.84		29.789
439.94		29.794
440.		29.796
440.01		
440.02		29.797
440.05		29.798
440.14		29.802
440.24		29.806
440.34		29.81
440.44		29.814
440.54		29.818
440.64		29.822
440.74		29.826
440.84		29.83
440.94		29.834
441.		29.836
441.01		29.837
441.02		
441.05		29.838
441.14		29.842
441.24		29.846
441.34		29.85
441.44		29.854
441.54		29.858
441.64		29.862
441.74		29.866
441.84		29.87
441.94		29.874
442.		29.877
442.01		
442.02		29.878
442.05		29.879

442.14		29.882
442.24		29.886
442.34		29.89
442.44		29.894
442.54		29.898
442.64		29.902
442.74		29.906
442.84		29.91
442.94		29.914
443.		29.917
443.01		
443.02		29.918
443.05		29.919
443.14		29.922
443.24		29.926
443.34		29.93
443.44		29.934
443.54		29.938
443.64		29.942
443.74		29.946
443.84		29.95
443.94		29.954
444.		29.957
444.01		
444.02		29.958
444.05		29.959
444.14		29.962
444.24		29.966
444.34		29.97
444.44		29.974
444.54		29.978
444.64		29.982
444.74		29.986
444.84		29.99
444.94		29.994
445.		29.997
445.01		
445.02		
445.05		29.999
445.14		30.002
445.24		30.006
445.34		30.01
445.44		30.014
445.54		30.018
445.64		30.022
445.74		30.026
445.84		30.03
445.94		30.034

446.		30.036
446.01		30.037
446.02		
446.05		30.038
446.14		30.042
446.24		30.046
446.34		30.05
446.44		30.054
446.54		30.057
446.64		30.061
446.74		30.065
446.84		30.069
446.94		30.073
447.		30.076
447.01		
447.02		
447.05		30.078
447.14		30.081
447.24		30.085
447.34		30.089
447.44		30.093
447.54		30.097
447.64		30.101
447.74		30.105
447.84		30.109
447.94		30.112
448.		30.115
448.01		
448.02		30.116
448.05		30.117
448.14		30.12
448.24		30.124
448.34		30.128
448.44		30.132
448.54		30.136
448.64		30.14
448.74		30.144
448.84		30.148
448.94		30.151
449.		30.154
449.01		
449.02		30.155
449.05		30.156
449.14		30.159
449.24		30.163
449.34		30.167
449.44		30.171
449.54		30.175

449.64		30.179
449.74		30.183
449.84		30.186
449.94		30.19
450.		30.193
450.01		
450.02		
450.05		30.195
450.14		30.198
450.24		30.202
450.34		30.206
450.44		30.21
450.54		30.214
450.64		30.218
450.74		30.221
450.84		30.225
450.94		30.229
451.		30.231
451.01		30.232
451.02		
451.05		30.233
451.14		30.237
451.24		30.241
451.34		30.245
451.44		30.248
451.54		30.252
451.64		30.256
451.74		30.26
451.84		30.264
451.94		30.268
452.		30.27
452.01		
452.02		30.271
452.05		30.272
452.14		30.275
452.24		30.279
452.34		30.283
452.44		30.287
452.54		30.291
452.64		30.295
452.74		30.298
452.84		30.302
452.94		30.306
453.		30.308
453.01		30.309
453.02		
453.05		30.31
453.14		30.314

453.24		30.318
453.34		30.321
453.44		30.325
453.54		30.329
453.64		30.333
453.74		30.337
453.84		30.341
453.94		30.344
454.		30.347
454.01		
454.02		
454.05		30.349
454.14		30.352
454.24		30.356
454.34		30.36
454.44		30.363
454.54		30.367
454.64		30.371
454.74		30.375
454.84		30.379
454.94		30.382
455.		30.385
455.01		
455.02		
455.05		30.387
455.14		30.39
455.24		30.394
455.34		30.398
455.44		30.401
455.54		30.405
455.64		30.409
455.74		30.413
455.84		30.417
455.94		30.42
456.		30.423
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456.02		
456.05		30.425
456.14		30.428
456.24		30.432
456.34		30.435
456.44		30.439
456.54		30.443
456.64		30.447
456.74		30.451
456.84		30.454
456.94		30.458
457.		30.46

457.01		30.461
457.02		
457.05		30.462
457.14		30.466
457.24		30.469
457.34		30.473
457.44		30.477
457.54		30.481
457.64		30.484
457.74		30.488
457.84		30.492
457.94		30.496
458.		30.498
458.01		
458.02		30.499
458.05		30.5
458.14		30.503
458.24		30.507
458.34		30.511
458.44		30.515
458.54		30.518
458.64		30.522
458.74		30.526
458.84		30.529
458.94		30.533
459.		30.535
459.01		30.536
459.02		
459.05		30.537
459.14		30.541
459.24		30.544
459.34		30.548
459.44		30.552
459.54		30.556
459.64		30.559
459.74		30.563
459.84		30.567
459.94		30.571
460.		30.573
460.01		
460.02		30.574
460.05		30.575
460.14		30.578
460.24		30.582
460.34		30.585
460.44		30.589
460.54		30.593
460.64		30.597

460.74		30.6
460.84		30.604
460.94		30.608
461.		30.61
461.01		
461.02		30.611
461.05		30.612
461.14		30.615
461.24		30.619
461.34		30.623
461.44		30.626
461.54		30.63
461.64		30.634
461.74		30.637
461.84		30.641
461.94		30.645
462.		30.647
462.01		
462.02		30.648
462.05		30.649
462.14		30.652
462.24		30.656
462.34		30.66
462.44		30.663
462.54		30.667
462.64		30.671
462.74		30.674
462.84		30.678
462.94		30.682
463.		30.684
463.01		
463.02		30.685
463.05		30.686
463.14		30.689
463.24		30.693
463.34		30.696
463.44		30.7
463.54		30.704
463.64		30.707
463.74		30.711
463.84		30.715
463.94		30.718
464.		30.721
464.01		
464.02		
464.05		30.722
464.14		30.726
464.24		30.729

464.34		30.733
464.44		30.737
464.54		30.74
464.64		30.744
464.74		30.748
464.84		30.751
464.94		30.755
465.		30.757
465.01		30.758
465.02		
465.05		30.759
465.14		30.762
465.24		30.766
465.34		30.77
465.44		30.773
465.54		30.777
465.64		30.781
465.74		30.784
465.84		30.788
465.94		30.792
466.		30.794
466.01		
466.02		
466.05		30.796
466.14		30.799
466.24		30.802
466.34		30.806
466.44		30.81
466.54		30.813
466.64		30.817
466.74		30.821
466.84		30.824
466.94		30.828
467.		30.83
467.01		
467.02		30.831
467.05		30.832
467.14		30.835
467.24		30.839
467.34		30.842
467.44		30.846
467.54		30.85
467.64		30.853
467.74		30.857
467.84		30.86
467.94		30.864
468.		30.866
468.01		30.867

468.02		
468.05		30.868
468.14		30.871
468.24		30.875
468.34		30.879
468.44		30.882
468.54		30.886
468.64		30.889
468.74		30.893
468.84		30.897
468.94		30.9
469.		30.902
469.01		30.903
469.02		
469.05		30.904
469.14		30.907
469.24		30.911
469.34		30.915
469.44		30.918
469.54		30.922
469.64		30.925
469.74		30.929
469.84		30.933
469.94		30.936
470.		30.938
470.01		30.939
470.02		
470.05		30.94
470.14		30.943
470.24		30.947
470.34		30.95
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470.54		30.958
470.64		30.961
470.74		30.965
470.84		30.968
470.94		30.972
471.		30.974
471.01		
471.02		30.975
471.05		30.976
471.14		30.979
471.24		30.983
471.34		30.986
471.44		30.99
471.54		30.993
471.64		30.997
471.74		31.

471.84		31.004
471.94		31.008
472.		31.01
472.01		
472.02		
472.05		31.012
472.14		31.015
472.24		31.018
472.34		31.022
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472.54		31.029
472.64		31.033
472.74		31.036
472.84		31.04
472.94		31.043
473.		31.045
473.01		31.046
473.02		
473.05		31.047
473.14		31.05
473.24		31.054
473.34		31.057
473.44		31.061
473.54		31.064
473.64		31.068
473.74		31.072
473.84		31.075
473.94		31.079
474.		31.081
474.01		
474.02		
474.05		31.082
474.14		31.086
474.24		31.089
474.34		31.093
474.44		31.096
474.54		31.1
474.64		31.103
474.74		31.107
474.84		31.11
474.94		31.114
475.		31.116
475.01		
475.02		31.117
475.05		31.118
475.14		31.121
475.24		31.124
475.34		31.128

475.44		31.132
475.54		31.135
475.64		31.139
475.74		31.142
475.84		31.146
475.94		31.149
476.		31.151
476.01		31.152
476.02		
476.05		31.153
476.14		31.156
476.24		31.16
476.34		31.163
476.44		31.167
476.54		31.17
476.64		31.174
476.74		31.177
476.84		31.181
476.94		31.184
477.		31.186
477.01		31.187
477.02		
477.05		31.188
477.14		31.191
477.24		31.195
477.34		31.198
477.44		31.202
477.54		31.205
477.64		31.209
477.74		31.212
477.84		31.216
477.94		31.219
478.		31.221
478.01		31.222
478.02		
478.05		31.223
478.14		31.226
478.24		31.23
478.34		31.233
478.44		31.237
478.54		31.24
478.64		31.244
478.74		31.247
478.84		31.25
478.94		31.254
479.		31.256
479.01		
479.02		31.257

479.05		31.258
479.14		31.261
479.24		31.264
479.34		31.268
479.44		31.271
479.54		31.275
479.64		31.278
479.74		31.282
479.84		31.285
479.94		31.289
480.		31.291
480.01		
480.02		
480.05		31.292
480.14		31.296
480.24		31.299
480.34		31.303
480.44		31.306
480.54		31.309
480.64		31.313
480.74		31.316
480.84		31.32
480.94		31.323
481.		31.325
481.01		31.326
481.02		
481.05		31.327
481.14		31.33
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481.34		31.337
481.44		31.341
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481.64		31.347
481.74		31.351
481.84		31.354
481.94		31.358
482.		31.36
482.01		
482.02		31.361
482.05		31.362
482.14		31.365
482.24		31.368
482.34		31.372
482.44		31.375
482.54		31.378
482.64		31.382
482.74		31.385
482.84		31.389

482.94		31.392
483.		31.394
483.01		31.395
483.02		
483.05		31.396
483.14		31.399
483.24		31.402
483.34		31.406
483.44		31.409
483.54		31.413
483.64		31.416
483.74		31.42
483.84		31.423
483.94		31.426
484.		31.428
484.01		31.429
484.02		
484.05		31.43
484.14		31.433
484.24		31.437
484.34		31.44
484.44		31.443
484.54		31.447
484.64		31.45
484.74		31.454
484.84		31.457
484.94		31.461
485.		31.463
485.01		
485.02		
485.05		31.464
485.14		31.467
485.24		31.471
485.34		31.474
485.44		31.478
485.54		31.481
485.64		31.484
485.74		31.488
485.84		31.491
485.94		31.495
486.		31.497
486.01		
486.02		
486.05		31.498
486.14		31.501
486.24		31.505
486.34		31.508
486.44		31.512

486.54		31.515
486.64		31.518
486.74		31.522
486.84		31.525
486.94		31.528
487.		31.531
487.01		
487.02		
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487.14		31.535
487.24		31.539
487.34		31.542
487.44		31.545
487.54		31.549
487.64		31.552
487.74		31.556
487.84		31.559
487.94		31.562
488.		31.564
488.01		31.565
488.02		
488.05		31.566
488.14		31.569
488.24		31.572
488.34		31.576
488.44		31.579
488.54		31.583
488.64		31.586
488.74		31.589
488.84		31.593
488.94		31.596
489.		31.598
489.01		
489.02		31.599
489.05		31.6
489.14		31.603
489.24		31.606
489.34		31.609
489.44		31.613
489.54		31.616
489.64		31.62
489.74		31.623
489.84		31.626
489.94		31.63
490.		31.632
490.01		
490.02		
490.05		31.633

490.14		31.636
490.24		31.64
490.34		31.643
490.44		31.646
490.54		31.65
490.64		31.653
490.74		31.656
490.84		31.66
490.94		31.663
491.		31.665
491.01		
491.02		31.666
491.05		31.667
491.14		31.67
491.24		31.673
491.34		31.676
491.44		31.68
491.54		31.683
491.64		31.686
491.74		31.69
491.84		31.693
491.94		31.696
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492.01		31.699
492.02		
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492.14		31.703
492.24		31.706
492.34		31.71
492.44		31.713
492.54		31.716
492.64		31.72
492.74		31.723
492.84		31.726
492.94		31.73
493.		31.732
493.01		
493.02		
493.05		31.733
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493.24		31.74
493.34		31.743
493.44		31.746
493.54		31.75
493.64		31.753
493.74		31.756
493.84		31.759
493.94		31.763

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494.01		
494.02		
494.05		31.766
494.14		31.769
494.24		31.773
494.34		31.776
494.44		31.779
494.54		31.783
494.64		31.786
494.74		31.789
494.84		31.792
494.94		31.796
495.		31.798
495.01		
495.02		
495.05		31.799
495.14		31.802
495.24		31.806
495.34		31.809
495.44		31.812
495.54		31.816
495.64		31.819
495.74		31.822
495.84		31.825
495.94		31.829
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496.02		
496.05		31.832
496.14		31.835
496.24		31.839
496.34		31.842
496.44		31.845
496.54		31.848
496.64		31.852
496.74		31.855
496.84		31.858
496.94		31.861
497.		31.863
497.01		31.864
497.02		
497.05		31.865
497.14		31.868
497.24		31.871
497.34		31.875
497.44		31.878
497.54		31.881

497.64		31.884
497.74		31.888
497.84		31.891
497.94		31.894
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498.05		31.898
498.14		31.901
498.24		31.904
498.34		31.907
498.44		31.91
498.54		31.914
498.64		31.917
498.74		31.92
498.84		31.923
498.94		31.927
499.		31.929
499.01		
499.02		
499.05		31.93
499.14		31.933
499.24		31.936
499.34		31.94
499.44		31.943
499.54		31.946
499.64		31.949
499.74		31.953
499.84		31.956
499.94		31.959
500.		31.961
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500.02		31.962
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500.14		31.966
500.24		31.969
500.34		31.972
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500.54		31.979
500.64		31.982
500.74		31.985
500.84		31.988
500.94		31.991
501.		31.993
501.01		31.994
501.02		
501.05		31.995
501.14		31.998

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502.02		
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502.14		32.03
502.24		32.033
502.34		32.037
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502.54		32.043
502.64		32.046
502.74		32.049
502.84		32.053
502.94		32.056
503.		32.058
503.01		
503.02		
503.05		32.059
503.14		32.062
503.24		32.065
503.34		32.069
503.44		32.072
503.54		32.075
503.64		32.078
503.74		32.081
503.84		32.085
503.94		32.088
504.		32.09
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504.02		
504.05		32.091
504.14		32.094
504.24		32.097
504.34		32.101
504.44		32.104
504.54		32.107
504.64		32.11
504.74		32.113
504.84		32.117
504.94		32.12
505.		32.122

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505.02		
505.05		32.123
505.14		32.126
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505.34		32.132
505.44		32.136
505.54		32.139
505.64		32.142
505.74		32.145
505.84		32.148
505.94		32.152
506.		32.153
506.01		32.154
506.02		
506.05		32.155
506.14		32.158
506.24		32.161
506.34		32.164
506.44		32.167
506.54		32.171
506.64		32.174
506.74		32.177
506.84		32.18
506.94		32.183
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507.01		
507.02		32.186
507.05		32.187
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507.34		32.196
507.44		32.199
507.54		32.202
507.64		32.205
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507.84		32.212
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508.		32.217
508.01		
508.02		
508.05		32.218
508.14		32.221
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508.44		32.231
508.54		32.234
508.64		32.237

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508.94		32.246
509.		32.248
509.01		32.249
509.02		
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509.24		32.256
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509.54		32.265
509.64		32.268
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510.01		
510.02		
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511.		32.311
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511.34		32.322
511.44		32.325
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512.02		32.343
512.05		32.344
512.14		32.346
512.24		32.35

512.34		32.353
512.44		32.356
512.54		32.359
512.64		32.362
512.74		32.365
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515.05		32.437
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515.34		32.446
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515.64		32.455
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515.84		32.461
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516.		32.466
516.01		

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516.05		
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517.02		
517.05		32.498
517.14		32.501
517.24		32.504
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517.44		32.51
517.54		32.513
517.64		32.516
517.74		32.519
517.84		32.522
517.94		32.525
518.		32.527
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518.34		32.538
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518.64		32.547
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518.84		32.553
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519.01		
519.02		
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519.14		32.562
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519.34		32.568
519.44		32.571
519.54		32.574
519.64		32.577
519.74		32.58

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519.94		32.586
520.		32.588
520.01		32.589
520.02		
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520.34		32.599
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521.34		32.629
521.44		32.632
521.54		32.635
521.64		32.638
521.74		32.641
521.84		32.644
521.94		32.647
522.		32.649
522.01		
522.02		
522.05		32.65
522.14		32.653
522.24		32.656
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522.44		32.662
522.54		32.665
522.64		32.668
522.74		32.671
522.84		32.674
522.94		32.677
523.		32.679
523.01		
523.02		32.68
523.05		
523.14		32.683
523.24		32.686
523.34		32.689

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523.54		32.695
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523.94		32.707
524.		32.709
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524.02		32.71
524.05		
524.14		32.713
524.24		32.716
524.34		32.719
524.44		32.722
524.54		32.725
524.64		32.728
524.74		32.731
524.84		32.734
524.94		32.737
525.		32.739
525.01		
525.02		32.74
525.05		
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526.		32.769
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526.02		
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526.14		32.773
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527.02		

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528.02		
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528.24		32.835
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528.44		32.841
528.54		32.844
528.64		32.847
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528.84		32.853
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529.		32.858
529.01		
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529.05		
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529.24		32.865
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529.64		32.877
529.74		32.88
529.84		32.883
529.94		32.886
530.		32.887
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530.34		32.897
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530.54		32.903
530.64		32.906
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530.84		32.912

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531.02		
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531.94		32.944
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532.84		32.971
532.94		32.974
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533.02		
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533.64		32.994
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536.02		
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538.02		
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539.54		33.165
539.64		33.167
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539.84		33.173
539.94		33.176
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540.01		
540.02		
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540.14		33.182
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540.44		33.19
540.54		33.193
540.64		33.196
540.74		33.199
540.84		33.202
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541.02		
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541.24		33.213
541.34		33.216
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541.54		33.222
541.64		33.225
541.74		33.227
541.84		33.23
541.94		33.233

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542.34		33.244
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542.84		33.259
542.94		33.261
543.		33.263
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543.64		33.281
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543.94		33.29
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544.02		
544.05		33.293
544.14		33.295
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544.34		33.301
544.44		33.304
544.54		33.307
544.64		33.31
544.74		33.312
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545.02		
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545.54		33.335

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546.02		
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546.14		33.352
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546.44		33.36
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546.64		33.366
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546.84		33.371
546.94		33.374
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547.02		
547.05		33.377
547.14		33.38
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547.64		33.394
547.74		33.397
547.84		33.399
547.94		33.402
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548.02		
548.05		33.405
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548.54		33.419
548.64		33.422
548.74		33.425
548.84		33.427
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549.		33.432
549.01		
549.02		
549.05		33.433
549.14		33.436

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549.54		33.447
549.64		33.45
549.74		33.452
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550.02		
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550.24		33.466
550.34		33.469
550.44		33.472
550.54		33.475
550.64		33.477
550.74		33.48
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550.94		33.486
551.		33.487
551.01		33.488
551.02		
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551.54		33.502
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552.05		
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552.34		33.524
552.44		33.527
552.54		33.53
552.64		33.533
552.74		33.535
552.84		33.538
552.94		33.541
553.		33.543

553.01		
553.02		
553.05		33.544
553.14		33.546
553.24		33.549
553.34		33.552
553.44		33.555
553.54		33.557
553.64		33.56
553.74		33.563
553.84		33.566
553.94		33.568
554.		33.57
554.01		
554.02		33.571
554.05		
554.14		33.574
554.24		33.577
554.34		33.579
554.44		33.582
554.54		33.585
554.64		33.588
554.74		33.59
554.84		33.593
554.94		33.596
555.		33.597
555.05		33.599
555.1		33.6
555.25		33.604
555.7		33.617
556.2		33.63
556.7		33.644
557.2		33.658
557.7		33.671
558.2		33.685
558.7		33.698
559.2		33.712
559.7		33.725
560.		33.733
560.05		33.735
560.1		33.736
560.25		33.74
560.7		33.752
561.2		33.766
561.7		33.779
562.2		33.793
562.7		33.806
563.2		33.819

563.7		33.833
564.2		33.846
564.7		33.859
565.		33.867
565.05		33.869
565.1		33.87
565.25		33.874
565.7		33.886
566.2		33.899
566.7		33.913
567.2		33.926
567.7		33.939
568.2		33.952
568.7		33.966
569.2		33.979
569.7		33.992
570.		34.
570.05		34.001
570.1		34.002
570.25		34.006
570.7		34.018
571.2		34.031
571.7		34.044
572.2		34.058
572.7		34.071
573.2		34.084
573.7		34.097
574.2		34.11
574.7		34.123
575.		34.13
575.05		34.132
575.1		34.133
575.25		34.137
575.7		34.149
576.2		34.162
576.7		34.175
577.2		34.187
577.7		34.2
578.2		34.213
578.7		34.226
579.2		34.239
579.7		34.252
580.		34.259
580.05		34.261
580.1		34.262
580.25		34.266
580.7		34.277
581.2		34.29

581.7		34.303
582.2		34.316
582.7		34.328
583.2		34.341
583.7		34.354
584.2		34.366
584.7		34.379
585.		34.387
585.05		34.388
585.1		34.389
585.25		34.393
585.7		34.404
586.2		34.417
586.7		34.43
587.2		34.442
587.7		34.455
588.2		34.467
588.7		34.48
589.2		34.492
589.7		34.505
590.		34.512
590.05		34.514
590.1		34.515
590.25		34.519
590.7		34.53
591.2		34.542
591.7		34.555
592.2		34.567
592.7		34.58
593.2		34.592
593.7		34.604
594.2		34.617
594.7		34.629
595.		34.636
595.05		34.638
595.1		34.639
595.25		34.643
595.7		34.654
596.2		34.666
596.7		34.678
597.2		34.69
597.7		34.703
598.2		34.715
598.7		34.727
599.2		34.739
599.7		34.752
600.		34.759
601.		34.783

602.		34.807
605.		34.879
614.		35.091
624.		35.321
634.		35.545
644.		35.764
654.	23.89	35.978
664.		36.187
674.		36.39
684.		36.589
694.		36.782
700.		36.897
701.		36.916
702.		36.935
705.		36.992
714.		37.157
724.		37.337
734.		37.512
744.		37.683
754.		37.85
764.		38.012
774.		38.171
784.		38.326
794.		38.477
800.		38.566
801.		38.581
802.		38.596
805.		38.639
814.		38.768
824.		38.908
834.		39.044
844.		39.177
854.		39.306
864.		39.432
874.		39.555
884.		39.675
894.		39.791
900.		39.86
901.		39.871
902.		39.883
905.		39.917
914.		40.016
924.		40.123
934.		40.227
944.		40.329
954.		40.428
964.		40.524
974.		40.618

984.		40.709
994.		40.797
1000.		40.849
1002.		40.867
1004.		40.884
1010.		40.934
1028.		41.079
1048.		41.232
1068.		41.376
1088.		41.512
1108.		41.64
1128.		41.759
1148.		41.871
1168.		41.975
1188.		42.072
1200.		42.127
1202.		42.136
1204.		42.145
1210.		42.171
1228.		42.245
1248.		42.322
1268.		42.393
1288.		42.458
1308.		42.517
1328.		42.57
1348.		42.618
1368.		42.661
1388.		42.7
1400.		42.719
1402.		42.722
1404.		42.725
1410.		42.734
1428.		42.759
1448.		42.784
1468.		42.804
1488.		42.82
1508.		42.832
1528.		42.84
1548.		42.845
1568.		42.846
1588.		42.843
1600.		42.84
1602.		42.839
1604.		42.838
1610.		42.835
1628.		42.827
1648.		42.815
1668.		42.801

1688.		42.784
1708.		42.764
1728.		42.741
1748.		42.717
1768.		42.689
1788.		42.66
1800.		42.64
1802.		42.637
1804.		42.633
1810.		42.622
1828.		42.592
1848.		42.557
1868.		42.519
1888.		42.48
1908.		42.44
1928.		42.397
1948.		42.353
1968.		42.307
1988.		42.26
2000.		42.23
2002.		42.225
2004.		42.22
2010.		42.204
2028.		42.159
2048.		42.108
2068.		42.057
2088.		42.004
2108.		41.949
2128.		41.894
2148.		41.838
2168.		41.781
2188.		41.723
2200.		41.686
2202.		41.68
2204.		41.674
2210.		41.655
2228.		41.601
2248.		41.541
2268.		41.48
2288.		41.419
2308.		41.356
2328.		41.294
2348.		41.23
2368.		41.166
2388.		41.102
2400.		41.062
2402.		41.055
2404.		41.048

2410.		41.028
2428.		40.969
2448.		40.903
2468.		40.838
2488.		40.771
2508.		40.705
2528.		40.638
2548.		40.571
2568.		40.503
2588.		40.436
2600.		40.394
2602.		40.387
2604.		40.38
2610.		40.358
2628.		40.297
2648.		40.229
2668.		40.162
2688.		40.093
2708.		40.025
2728.		39.957
2748.		39.888
2768.		39.819
2788.		39.751
2800.		39.708
2802.		39.701
2804.		39.694
2810.		39.672
2828.		39.61
2848.		39.542
2868.		39.473
2888.		39.405
2908.		39.336
2928.		39.267
2948.		39.199
2968.		39.13
2988.		39.062
3000.		39.02
3002.		39.013
3004.		39.006
3010.		38.984
3028.		38.923
3048.		38.855
3068.		38.787
3088.		38.72
3108.		38.652
3128.		38.584
3148.		38.517
3168.		38.45

3188.		38.383
3200.		38.342
3202.		38.335
3204.		38.327
3210.		38.307
3228.		38.247
3248.		38.18
3268.		38.114
3288.		38.048
3308.		37.982
3328.		37.916
3348.		37.85
3368.		37.785
3388.		37.719
3400.		37.68
3402.		37.673
3404.		37.666
3410.		37.646
3428.		37.587
3448.		37.523
3468.		37.459
3488.		37.395
3508.		37.331
3528.		37.267
3548.		37.204
3568.		37.14
3588.		37.077
3600.		37.039
3602.		37.032
3604.		37.026
3610.		37.006
3628.		36.95
3648.		36.888
3668.		36.826
3688.		36.764
3708.		36.702
3728.		36.641
3748.		36.58
3768.		36.519
3788.		36.459
3800.		36.422
3802.		36.415
3804.		36.409
3810.		36.39
3828.		36.336
3848.		36.276
3868.		36.217
3888.		36.158

3908.		36.099
3928.		36.04
3948.		35.981
3968.		35.923
3988.		35.865
4000.		35.829
4002.		35.823
4004.		35.817
4010.		35.799
4028.		35.747
4048.		35.69
4068.		35.633
4088.		35.576
4108.		35.52
4128.		35.463
4148.		35.407
4168.		35.351
4188.		35.296
4200.		35.261
4202.		35.255
4204.		35.25
4210.		35.233
4228.		35.183
4248.		35.128
4268.		35.074
4288.		35.02
4308.		34.966
4328.		34.912
4348.	23.891	34.858
4368.		34.805
4388.		34.752
4400.		34.719
4402.		34.714
4404.		34.708
4410.		34.692
4428.		34.645
4448.		34.593
4468.		34.54
4488.		34.489
4508.		34.437
4528.		34.386
4548.		34.334
4568.		34.284
4588.		34.233
4600.		34.202
4602.		34.197
4604.		34.192
4610.		34.176

4628.		34.131
4648.		34.081
4668.		34.031
4688.		33.982
4708.		33.932
4728.		33.883
4748.		33.834
4768.		33.786
4788.		33.738
4800.		33.708
4802.		33.703
4804.		33.698
4810.		33.683
4828.		33.64
4848.		33.593
4868.		33.545
4888.		33.498
4908.		33.451
4928.		33.404
4948.		33.358
4968.		33.312
4988.		33.265
5000.		33.237
5002.		33.233
5004.		33.228
5010.		33.214
5028.		33.173
5048.		33.127
5068.		33.082
5088.		33.037
5108.	23.892	32.992
5128.		32.948
5148.		32.903
5168.		32.859
5188.		32.815
5200.		32.789
5202.		32.784
5204.		32.78
5210.		32.766
5228.		32.727
5248.		32.684
5268.		32.641
5288.		32.598
5308.		32.555
5328.		32.512
5348.		32.47
5368.		32.428
5388.		32.386

5400.		32.361
5402.		32.357
5404.		32.352
5410.		32.339
5428.		32.302
5448.		32.261
5468.		32.22
5488.		32.179
5508.		32.138
5528.		32.098
5548.		32.057
5568.		32.017
5588.		31.977
5600.		31.953
5602.		31.949
5604.		31.945
5610.		31.933
5628.		31.897
5648.		31.858
5668.		31.819
5688.		31.78
5708.	23.893	31.744
5728.		31.71
5748.		31.675
5768.		31.641
5788.		31.607
5800.		31.587
5802.		31.584
5804.		31.58
5810.		31.57
5828.		31.54
5848.		31.506
5868.		31.473
5888.		31.439
5908.		31.406
5928.		31.373
5948.		31.34
5968.		31.307
5988.		31.275
6000.		31.255
6002.	23.894	31.252
6004.		31.249
6010.		31.239
6028.		31.21
6048.		31.177
6068.		31.145
6088.		31.113
6108.		31.081

6128.		31.049
6148.		31.018
6168.		30.986
6188.	23.895	30.955
6200.		30.936
6202.		30.933
6204.		30.93
6210.		30.921
6228.		30.896
6248.		30.869
6268.		30.842
6288.		30.814
6308.		30.787
6328.		30.76
6348.		30.733
6368.		30.706
6388.		30.679
6400.		30.663
6402.		30.66
6404.		30.658
6410.		30.65
6428.	23.896	30.626
6448.		30.599
6468.		30.572
6488.		30.546
6508.		30.52
6528.		30.493
6548.		30.467
6568.		30.441
6588.		30.415
6600.		30.399
6602.		30.397
6604.		30.394
6610.		30.386
6628.		30.363
6648.		30.337
6668.	23.897	30.311
6688.		30.286
6708.		30.26
6728.		30.235
6748.		30.209
6768.		30.184
6788.		30.159
6800.		30.144
6802.		30.141
6804.		30.139
6810.		30.131
6828.		30.109

6848.		30.086
6868.	23.898	30.064
6888.		30.042
6908.		30.02
6928.		29.998
6948.		29.976
6968.		29.955
6988.		29.933
7000.		29.92
7002.		29.918
7004.		29.916
7010.		29.909
7028.		29.89
7048.		29.868
7068.	23.899	29.847
7088.		29.825
7108.		29.804
7128.		29.783
7148.		29.761
7168.		29.74
7188.		29.719
7200.		29.706

FIGURE 16
Model (X4) > Transient Thermal (X5) > Solution (X6) > Drum Content T > Figure

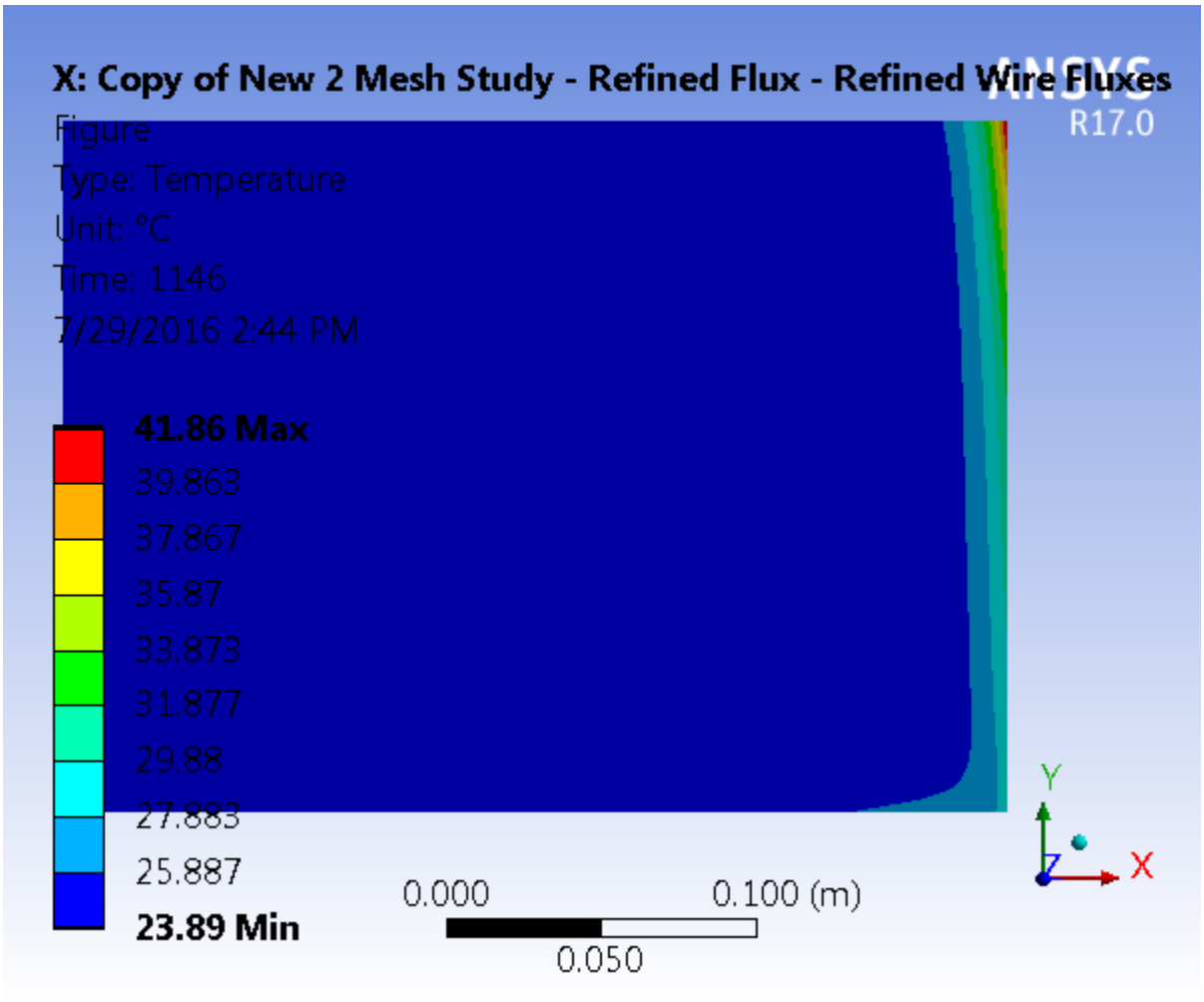

FIGURE 17
Model (X4) > Transient Thermal (X5) > Solution (X6) > Drum T

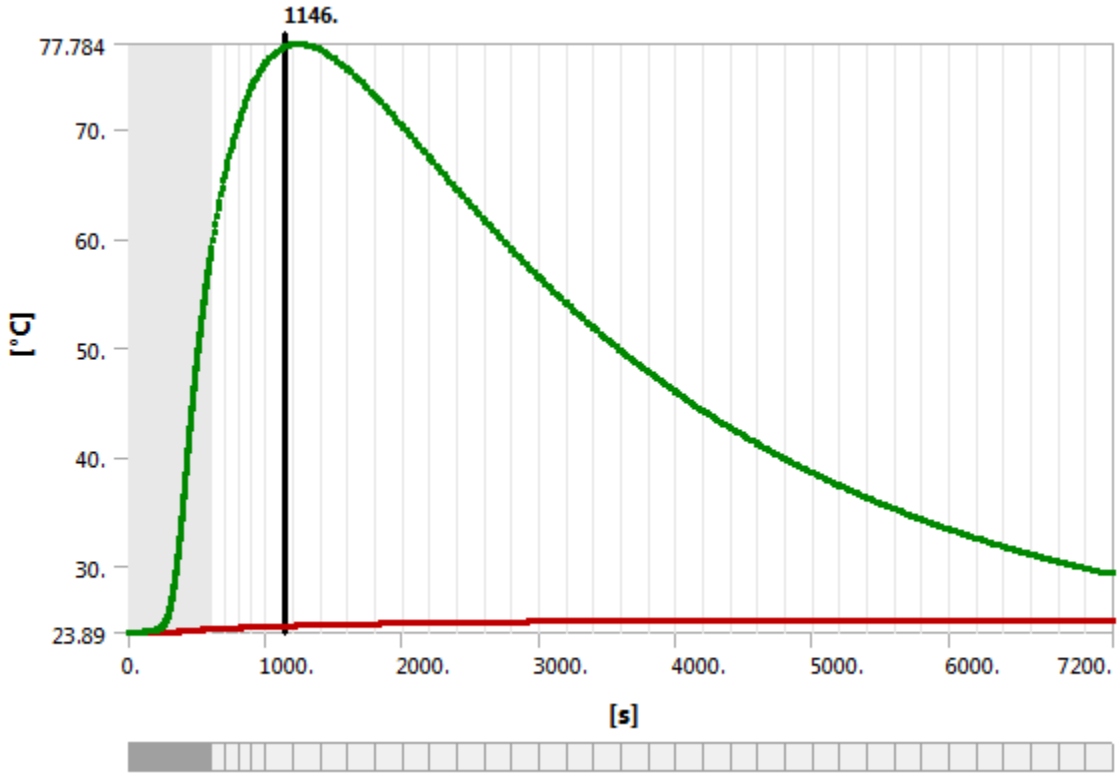

TABLE 28
Model (X4) > Transient Thermal (X5) > Solution (X6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.89	23.89
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		

3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		

10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		
15.48		
15.68		
15.88		
16.		
16.02		
16.04		
16.1		
16.28		
16.48		
16.68		
16.88		
17.08		
17.28		
17.48		
17.68		
17.88		
18.		
18.02		

18.04		
18.1		
18.28		
18.48		
18.68		
18.88		
19.08		
19.28		
19.48		
19.68		
19.88		
20.		
20.02		
20.04		
20.1		
20.28		
20.48		
20.68		
20.88		
21.08		
21.28		
21.48		
21.68		
21.88		
22.		
22.02		
22.04		
22.1		
22.28		
22.48		
22.68		
22.88		
23.08		
23.28		
23.48		
23.68		
23.88		
24.		
24.02		
24.04		
24.1		
24.28		
24.48		
24.68		23.891
24.88		
25.08		
25.28		
25.48		

25.68		
25.88		
26.		
26.02		
26.04		
26.1		
26.28		
26.48		
26.68		
26.88		
27.08		
27.28		
27.48		
27.68		
27.88		
28.		
28.02		
28.04		
28.1		
28.28		
28.48		
28.68		
28.88		
29.08		
29.28		
29.48		23.892
29.68		
29.88		
30.		
30.02		
30.04		
30.1		
30.28		
30.48		
30.68		
30.88		
31.08		
31.28		
31.48		
31.68		
31.88		
32.		
32.02		
32.04		
32.1		
32.28		
32.48		
32.68		

32.88		
33.08		23.893
33.28		
33.48		
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		
34.48		
34.68		
34.88		
35.08		
35.28		
35.48		
35.68		
35.88		
36.		
36.02		
36.04		
36.1		23.894
36.28		
36.48		
36.68		
36.88		
37.08		
37.28		
37.48		
37.68		
37.88		
38.		
38.02		
38.04		
38.1		
38.28		
38.48		
38.68		
38.88		23.895
39.08		
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		

40.1		
40.28		
40.48		
40.68		
40.88		
41.08		
41.28		
41.48		23.896
41.68		
41.88		
42.		
42.02		
42.04		
42.1		
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202.05		

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205.94		

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216.94		
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227.94		
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231.54		
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231.74		24.298

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235.34		

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242.84		24.39

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255.94		24.581
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256.84		24.598
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257.54		24.612

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263.84		24.752
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264.02		
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265.94		24.805
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266.94		24.831
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267.24		24.839
267.34		24.842
267.44		24.845
267.54		24.847
267.64		24.85
267.74		24.853
267.84		24.855
267.94		24.858
268.		24.86
268.01		
268.02		
268.05		24.861
268.14		24.864
268.24		24.866
268.34		24.869
268.44		24.872
268.54	23.905	24.875
268.64		24.877

268.74		24.88
268.84		24.883
268.94		24.886
269.		24.887
269.01		24.888
269.02		
269.05		24.889
269.14		24.891
269.24		24.894
269.34		24.897
269.44		24.9
269.54		24.902
269.64		24.905
269.74		24.908
269.84		24.911
269.94		24.914
270.		24.915
270.01		24.916
270.02		
270.05		24.917
270.14		24.919
270.24		24.922
270.34		24.925
270.44		24.928
270.54		24.931
270.64		24.934
270.74		24.937
270.84		24.94
270.94		24.943
271.		24.944
271.01		24.945
271.02		
271.05		24.946
271.14		24.949
271.24	23.906	24.952
271.34		24.954
271.44		24.957
271.54		24.96
271.64		24.963
271.74		24.966
271.84		24.969
271.94		24.972
272.		24.974
272.01		24.975
272.02		
272.05		24.976
272.14		24.978
272.24		24.981

272.34		24.985
272.44		24.988
272.54		24.991
272.64		24.994
272.74		24.997
272.84		25.
272.94		25.003
273.		25.005
273.01		
273.02		
273.05		25.006
273.14		25.009
273.24		25.012
273.34		25.015
273.44		25.018
273.54		25.021
273.64		25.025
273.74	23.907	25.028
273.84		25.031
273.94		25.034
274.		25.036
274.01		
274.02		25.037
274.05		25.038
274.14		25.04
274.24		25.044
274.34		25.047
274.44		25.05
274.54		25.053
274.64		25.056
274.74		25.06
274.84		25.063
274.94		25.066
275.		25.068
275.01		
275.02		25.069
275.05		
275.14		25.072
275.24		25.076
275.34		25.079
275.44		25.082
275.54		25.085
275.64		25.089
275.74		25.092
275.84		25.095
275.94		25.099
276.		25.101
276.01		

276.02		
276.05		25.102
276.14		25.105
276.24		25.109
276.34		25.112
276.44		25.115
276.54		25.118
276.64		25.122
276.74		25.125
276.84		25.129
276.94		25.132
277.		25.134
277.01		
277.02		25.135
277.05		25.136
277.14		25.139
277.24	23.908	25.142
277.34		25.145
277.44		25.149
277.54		25.152
277.64		25.156
277.74		25.159
277.84		25.162
277.94		25.166
278.		25.168
278.01		
278.02		25.169
278.05		25.17
278.14		25.173
278.24		25.176
278.34		25.18
278.44		25.183
278.54		25.187
278.64		25.19
278.74		25.193
278.84		25.197
278.94		25.2
279.		25.203
279.01		
279.02	23.909	
279.05		25.204
279.14		25.207
279.24		25.211
279.34		25.214
279.44		25.218
279.54		25.221
279.64		25.225
279.74		25.229

279.84		25.232
279.94		25.236
280.		25.238
280.01		
280.02		25.239
280.05		25.24
280.14		25.243
280.24		25.246
280.34		25.25
280.44		25.254
280.54		25.257
280.64	23.91	25.261
280.74		25.264
280.84		25.268
280.94		25.272
281.		25.274
281.01		
281.02		25.275
281.05		25.276
281.14		25.279
281.24		25.283
281.34		25.286
281.44		25.29
281.54		25.294
281.64		25.297
281.74		25.301
281.84		25.305
281.94		25.308
282.		25.311
282.01		
282.02		
282.05		25.312
282.14		25.316
282.24		25.319
282.34		25.323
282.44		25.327
282.54		25.331
282.64		25.334
282.74		25.338
282.84	23.911	25.342
282.94		25.346
283.		25.348
283.01		
283.02		25.349
283.05		25.35
283.14		25.353
283.24		25.357
283.34		25.361

283.44		25.365
283.54		25.368
283.64		25.372
283.74		25.376
283.84		25.38
283.94		25.384
284.		25.386
284.01		
284.02		25.387
284.05		25.388
284.14		25.391
284.24		25.395
284.34		25.399
284.44		25.403
284.54		25.407
284.64		25.411
284.74		25.415
284.84		25.418
284.94	23.912	25.422
285.		25.425
285.01		
285.02		25.426
285.05		25.427
285.14		25.43
285.24		25.434
285.34		25.438
285.44		25.442
285.54		25.446
285.64		25.45
285.74		25.454
285.84		25.458
285.94		25.462
286.		25.464
286.01		25.465
286.02		
286.05		25.466
286.14		25.47
286.24		25.474
286.34		25.478
286.44		25.482
286.54		25.486
286.64		25.49
286.74		25.494
286.84		25.498
286.94		25.502
287.	23.913	25.505
287.01		
287.02		25.506

287.05		25.507
287.14		25.511
287.24		25.515
287.34		25.519
287.44		25.523
287.54		25.527
287.64		25.531
287.74		25.535
287.84		25.539
287.94		25.544
288.		25.546
288.01		
288.02		25.547
288.05		25.548
288.14		25.552
288.24		25.556
288.34		25.56
288.44		25.564
288.54		25.569
288.64		25.573
288.74		25.577
288.84		25.581
288.94		25.586
289.		25.588
289.01		
289.02		25.589
289.05		25.59
289.14		25.594
289.24		25.598
289.34		25.603
289.44		25.607
289.54		25.611
289.64		25.615
289.74		25.62
289.84		25.624
289.94	23.914	25.628
290.		25.631
290.01		
290.02		25.632
290.05		25.633
290.14		25.637
290.24		25.641
290.34		25.646
290.44		25.65
290.54		25.654
290.64		25.659
290.74		25.663
290.84		25.667

290.94	23.915	25.672
291.		25.675
291.01		
291.02		
291.05		25.677
291.14		25.681
291.24		25.685
291.34		25.69
291.44		25.694
291.54		25.698
291.64		25.703
291.74		25.707
291.84		25.712
291.94		25.716
292.		25.719
292.01		
292.02		25.72
292.05		25.721
292.14		25.725
292.24		25.73
292.34		25.734
292.44		25.739
292.54		25.743
292.64		25.748
292.74	23.916	25.752
292.84		25.757
292.94		25.762
293.		25.764
293.01		25.765
293.02		
293.05		25.767
293.14		25.771
293.24		25.775
293.34		25.78
293.44		25.784
293.54		25.789
293.64		25.794
293.74		25.798
293.84		25.803
293.94		25.807
294.		25.81
294.01		25.811
294.02		
294.05		25.813
294.14		25.817
294.24		25.821
294.34		25.826
294.44		25.831

294.54	23.917	25.835
294.64		25.84
294.74		25.845
294.84		25.849
294.94		25.854
295.		25.857
295.01		25.858
295.02		
295.05		25.859
295.14		25.864
295.24		25.868
295.34		25.873
295.44		25.878
295.54		25.883
295.64		25.887
295.74		25.892
295.84		25.897
295.94		25.902
296.		25.905
296.01		
296.02		25.906
296.05		25.907
296.14		25.911
296.24		25.916
296.34	23.918	25.921
296.44		25.926
296.54		25.931
296.64		25.936
296.74		25.941
296.84		25.946
296.94		25.95
297.		25.953
297.01		25.954
297.02		
297.05		25.956
297.14		25.96
297.24		25.965
297.34		25.97
297.44		25.975
297.54		25.98
297.64		25.985
297.74		25.99
297.84		25.995
297.94		26.
298.	23.919	26.003
298.01		26.004
298.02		
298.05		26.006

298.14		26.011
298.24		26.016
298.34		26.021
298.44		26.026
298.54		26.031
298.64		26.036
298.74		26.041
298.84		26.046
298.94		26.051
299.		26.054
299.01		26.055
299.02		26.056
299.05		26.057
299.14		26.062
299.24		26.067
299.34		26.072
299.44		26.077
299.54		26.082
299.64		26.088
299.74		26.093
299.84		26.098
299.94		26.103
300.		26.107
300.01		
300.02		26.108
300.05		26.109
300.14		26.114
300.24		26.119
300.34	23.92	26.125
300.44		26.13
300.54		26.135
300.64		26.141
300.74		26.146
300.84		26.151
300.94		26.157
301.		26.16
301.01		
301.02		26.161
301.05		26.163
301.14		26.167
301.24		26.173
301.34		26.178
301.44		26.184
301.54	23.921	26.189
301.64		26.195
301.74		26.2
301.84		26.205
301.94		26.211

302.		26.214
302.01		26.215
302.02		
302.05		26.217
302.14		26.222
302.24		26.227
302.34		26.233
302.44		26.239
302.54		26.244
302.64		26.25
302.74		26.255
302.84		26.261
302.94		26.266
303.		26.27
303.01		
303.02		26.271
303.05		26.273
303.14		26.278
303.24		26.283
303.34	23.922	26.289
303.44		26.295
303.54		26.3
303.64		26.306
303.74		26.312
303.84		26.317
303.94		26.323
304.		26.327
304.01		
304.02		26.328
304.05		26.329
304.14		26.335
304.24		26.34
304.34		26.346
304.44		26.352
304.54		26.358
304.64		26.364
304.74		26.37
304.84		26.375
304.94	23.923	26.381
305.		26.385
305.01		26.386
305.02		
305.05		26.388
305.14		26.393
305.24		26.399
305.34		26.405
305.44		26.411
305.54	23.924	26.417

305.64		26.423
305.74		26.429
305.84		26.435
305.94		26.441
306.		26.445
306.01		26.446
306.02		
306.05		26.448
306.14		26.454
306.24		26.46
306.34		26.466
306.44		26.472
306.54		26.478
306.64		26.484
306.74		26.491
306.84	23.925	26.497
306.94		26.503
307.		26.507
307.01		
307.02		26.508
307.05		26.51
307.14		26.516
307.24		26.522
307.34		26.528
307.44		26.534
307.54		26.541
307.64		26.547
307.74		26.553
307.84		26.56
307.94		26.566
308.		26.57
308.01		26.571
308.02		
308.05		26.573
308.14	23.926	26.579
308.24		26.585
308.34		26.592
308.44		26.598
308.54		26.604
308.64		26.611
308.74		26.617
308.84		26.624
308.94		26.63
309.		26.634
309.01		26.635
309.02		26.636
309.05		26.637
309.14		26.643

309.24		26.65
309.34	23.927	26.656
309.44		26.663
309.54		26.669
309.64		26.676
309.74		26.682
309.84		26.689
309.94		26.696
310.		26.7
310.01		
310.02		26.701
310.05		26.703
310.14		26.709
310.24		26.715
310.34		26.722
310.44		26.729
310.54	23.928	26.735
310.64		26.742
310.74		26.749
310.84		26.755
310.94		26.762
311.		26.766
311.01		26.767
311.02		
311.05		26.769
311.14		26.775
311.24		26.782
311.34		26.789
311.44		26.796
311.54		26.802
311.64		26.809
311.74	23.929	26.816
311.84		26.823
311.94		26.829
312.		26.834
312.01		
312.02		26.835
312.05		26.837
312.14		26.843
312.24		26.85
312.34		26.857
312.44		26.864
312.54		26.87
312.64		26.877
312.74		26.884
312.84		26.891
312.94	23.93	26.898
313.		26.902

313.01		26.903
313.02		
313.05		26.906
313.14		26.912
313.24		26.919
313.34		26.926
313.44		26.932
313.54		26.939
313.64		26.946
313.74		26.953
313.84		26.96
313.94		26.967
314.		26.971
314.01		26.972
314.02		26.973
314.05		26.975
314.14	23.931	26.981
314.24		26.988
314.34		26.995
314.44		27.002
314.54		27.009
314.64		27.016
314.74		27.024
314.84		27.031
314.94		27.038
315.		27.042
315.01		27.043
315.02		
315.05		27.046
315.14		27.052
315.24	23.932	27.059
315.34		27.066
315.44		27.073
315.54		27.08
315.64		27.088
315.74		27.095
315.84		27.102
315.94		27.109
316.		27.114
316.01		
316.02		27.115
316.05		27.117
316.14		27.124
316.24		27.131
316.34		27.138
316.44	23.933	27.145
316.54		27.153
316.64		27.16

316.74		27.167
316.84		27.174
316.94		27.182
317.		27.186
317.01		27.187
317.02		27.188
317.05		27.19
317.14		27.196
317.24		27.204
317.34		27.211
317.44		27.218
317.54	23.934	27.226
317.64		27.233
317.74		27.241
317.84		27.248
317.94		27.255
318.		27.26
318.01		27.261
318.02		
318.05		27.264
318.14		27.27
318.24		27.278
318.34		27.285
318.44		27.293
318.54		27.3
318.64	23.935	27.308
318.74		27.315
318.84		27.323
318.94		27.33
319.		27.335
319.01		
319.02		27.336
319.05		27.338
319.14		27.345
319.24		27.353
319.34		27.36
319.44		27.368
319.54		27.376
319.64		27.383
319.74	23.936	27.391
319.84		27.398
319.94		27.406
320.		27.41
320.01		27.411
320.02		27.412
320.05		27.414
320.14		27.421
320.24		27.429

320.34		27.436
320.44		27.444
320.54		27.452
320.64		27.459
320.74		27.467
320.84	23.937	27.475
320.94		27.482
321.		27.487
321.01		27.488
321.02		27.489
321.05		27.491
321.14		27.498
321.24		27.506
321.34		27.513
321.44		27.521
321.54		27.529
321.64		27.537
321.74		27.544
321.84		27.552
321.94	23.938	27.56
322.		27.565
322.01		
322.02		27.566
322.05		27.569
322.14		27.576
322.24		27.583
322.34		27.591
322.44		27.599
322.54		27.607
322.64		27.615
322.74		27.623
322.84		27.631
322.94		27.638
323.	23.939	27.643
323.01		27.644
323.02		27.645
323.05		27.647
323.14		27.654
323.24		27.662
323.34		27.67
323.44		27.678
323.54		27.686
323.64		27.694
323.74		27.702
323.84		27.71
323.94		27.718
324.		27.722
324.01		27.723

324.02	23.94	27.724
324.05		27.726
324.14		27.734
324.24		27.742
324.34		27.75
324.44		27.758
324.54		27.766
324.64		27.774
324.74		27.782
324.84		27.79
324.94		27.798
325.		27.803
325.01		
325.02		27.804
325.05		27.807
325.14	23.941	27.814
325.24		27.822
325.34		27.83
325.44		27.838
325.54		27.846
325.64		27.854
325.74		27.862
325.84		27.87
325.94		27.878
326.		27.883
326.01		27.884
326.02		27.885
326.05		27.887
326.14	23.942	27.895
326.24		27.903
326.34		27.911
326.44		27.919
326.54		27.927
326.64		27.935
326.74		27.944
326.84		27.952
326.94		27.96
327.		27.965
327.01		27.966
327.02		27.967
327.05		27.969
327.14		27.976
327.24	23.943	27.985
327.34		27.993
327.44		28.001
327.54		28.009
327.64		28.018
327.74		28.026

327.84		28.034
327.94		28.042
328.		28.047
328.01		28.048
328.02		28.049
328.05		28.051
328.14		28.059
328.24		28.067
328.34		28.075
328.44		28.084
328.54		28.092
328.64		28.1
328.74		28.109
328.84		28.117
328.94	23.944	28.125
329.		28.13
329.01		28.131
329.02		28.132
329.05		28.135
329.14		28.142
329.24		28.15
329.34		28.159
329.44		28.167
329.54		28.176
329.64		28.184
329.74		28.192
329.84		28.201
329.94	23.945	28.209
330.		28.214
330.01		28.215
330.02		28.216
330.05		28.219
330.14		28.226
330.24		28.235
330.34		28.243
330.44		28.251
330.54		28.26
330.64		28.268
330.74		28.277
330.84		28.285
330.94	23.946	28.294
331.		28.299
331.01		28.3
331.02		28.301
331.05		28.303
331.14		28.311
331.24		28.319
331.34		28.328

331.44	23.947	28.336
331.54		28.345
331.64		28.353
331.74		28.362
331.84		28.371
331.94		28.379
332.		28.384
332.01		28.385
332.02		28.386
332.05		28.389
332.14		28.396
332.24		28.405
332.34		28.413
332.44	23.948	28.422
332.54		28.431
332.64		28.439
332.74		28.448
332.84		28.457
332.94		28.465
333.		28.47
333.01		28.471
333.02		28.472
333.05		28.475
333.14		28.482
333.24		28.491
333.34		28.5
333.44		28.508
333.54	23.949	28.517
333.64		28.526
333.74		28.535
333.84		28.543
333.94		28.552
334.		28.557
334.01		28.558
334.02		28.559
334.05		28.562
334.14		28.569
334.24		28.578
334.34		28.587
334.44		28.596
334.54	23.95	28.604
334.64		28.613
334.74		28.622
334.84		28.631
334.94		28.639
335.		28.645
335.01		28.646
335.02		28.647

335.05		28.649
335.14		28.657
335.24		28.666
335.34		28.675
335.44		28.684
335.54	23.951	28.692
335.64		28.701
335.74		28.71
335.84		28.719
335.94		28.728
336.		28.733
336.01		28.734
336.02		28.735
336.05		28.737
336.14		28.745
336.24		28.754
336.34		28.763
336.44		28.772
336.54		28.781
336.64	23.952	28.79
336.74		28.799
336.84		28.808
336.94		28.817
337.		28.822
337.01		28.823
337.02		28.824
337.05		28.827
337.14		28.835
337.24		28.844
337.34		28.852
337.44		28.861
337.54		28.87
337.64	23.953	28.879
337.74		28.888
337.84		28.897
337.94		28.906
338.		28.912
338.01		28.913
338.02		28.914
338.05		28.916
338.14		28.924
338.24		28.933
338.34		28.942
338.44		28.951
338.54		28.961
338.64	23.954	28.97
338.74		28.979
338.84		28.988

338.94		28.997
339.		29.002
339.01		29.003
339.02		29.004
339.05		29.007
339.14		29.015
339.24		29.024
339.34		29.033
339.44		29.042
339.54		29.051
339.64		29.061
339.74		29.07
339.84		29.079
339.94		29.088
340.		29.093
340.01		29.094
340.02	23.955	29.095
340.05		29.098
340.14		29.106
340.24		29.115
340.34		29.125
340.44		29.134
340.54		29.143
340.64		29.152
340.74		29.161
340.84		29.171
340.94		29.18
341.		29.185
341.01		29.186
341.02	23.956	29.187
341.05		29.19
341.14		29.198
341.24		29.208
341.34		29.217
341.44		29.226
341.54		29.235
341.64		29.245
341.74		29.254
341.84		29.263
341.94		29.273
342.		29.278
342.01	23.957	29.279
342.02		29.28
342.05		29.283
342.14		29.291
342.24		29.3
342.34		29.31
342.44		29.319

342.54		29.328
342.64		29.338
342.74		29.347
342.84		29.357
342.94		29.366
343.		29.372
343.01		
343.02		29.373
343.05	23.958	29.376
343.14		29.385
343.24		29.394
343.34		29.403
343.44		29.413
343.54		29.422
343.64		29.432
343.74		29.441
343.84		29.451
343.94		29.46
344.		29.466
344.01		29.467
344.02		29.468
344.05	23.959	29.47
344.14		29.479
344.24		29.488
344.34		29.498
344.44		29.507
344.54		29.517
344.64		29.526
344.74		29.536
344.84		29.545
344.94		29.555
345.		29.561
345.01		
345.02		29.562
345.05	23.96	29.565
345.14		29.574
345.24		29.583
345.34		29.593
345.44		29.602
345.54		29.612
345.64		29.622
345.74		29.631
345.84		29.641
345.94		29.65
346.	23.961	29.656
346.01		29.657
346.02		29.658
346.05		29.661

346.14		29.67
346.24		29.679
346.34		29.689
346.44		29.698
346.54		29.708
346.64		29.718
346.74		29.727
346.84		29.737
346.94		29.747
347.		29.752
347.01		29.753
347.02		29.754
347.05	23.962	29.757
347.14		29.766
347.24		29.776
347.34		29.785
347.44		29.795
347.54		29.805
347.64		29.814
347.74		29.824
347.84		29.834
347.94		29.844
348.		29.849
348.01		29.85
348.02		29.851
348.05	23.963	29.854
348.14		29.863
348.24		29.873
348.34		29.883
348.44		29.892
348.54		29.902
348.64		29.912
348.74		29.922
348.84		29.931
348.94		29.941
349.		29.947
349.01		29.948
349.02	23.964	29.949
349.05		29.952
349.14		29.961
349.24		29.971
349.34		29.98
349.44		29.99
349.54		30.
349.64		30.01
349.74	23.965	30.02
349.84		30.03
349.94		30.04

350.		30.046
350.01		30.047
350.02		30.048
350.05		30.05
350.14		30.059
350.24		30.069
350.34		30.079
350.44		30.089
350.54		30.099
350.64		30.109
350.74		30.119
350.84		30.129
350.94		30.139
351.		30.145
351.01		30.146
351.02	23.966	30.147
351.05		30.15
351.14		30.159
351.24		30.169
351.34		30.179
351.44		30.189
351.54		30.199
351.64		30.209
351.74		30.219
351.84		30.229
351.94		30.239
352.		30.245
352.01		30.246
352.02	23.967	30.247
352.05		30.25
352.14		30.259
352.24		30.269
352.34		30.279
352.44		30.289
352.54		30.299
352.64		30.309
352.74		30.319
352.84		30.329
352.94		30.339
353.		30.345
353.01	23.968	30.346
353.02		30.347
353.05		30.35
353.14		30.359
353.24		30.37
353.34		30.38
353.44		30.39
353.54	23.969	30.4

353.64		30.41
353.74		30.42
353.84		30.43
353.94		30.441
354.		30.447
354.01		30.448
354.02		30.449
354.05		30.452
354.14		30.461
354.24		30.471
354.34		30.481
354.44		30.492
354.54		30.502
354.64		30.512
354.74		30.522
354.84		30.532
354.94		30.543
355.		30.549
355.01	23.97	30.55
355.02		30.551
355.05		30.554
355.14		30.563
355.24		30.573
355.34		30.584
355.44		30.594
355.54		30.604
355.64		30.615
355.74		30.625
355.84		30.635
355.94		30.645
356.		30.652
356.01	23.971	30.653
356.02		30.654
356.05		30.657
356.14		30.666
356.24		30.677
356.34		30.687
356.44		30.697
356.54		30.708
356.64		30.718
356.74		30.728
356.84		30.739
356.94	23.972	30.749
357.		30.755
357.01		30.756
357.02		30.757
357.05		30.761
357.14		30.77

357.24		30.78
357.34		30.791
357.44	23.973	30.801
357.54		30.812
357.64		30.822
357.74		30.833
357.84		30.843
357.94		30.854
358.		30.86
358.01		30.861
358.02		30.862
358.05		30.865
358.14		30.875
358.24		30.885
358.34	23.974	30.896
358.44		30.906
358.54		30.917
358.64		30.927
358.74		30.938
358.84		30.948
358.94		30.959
359.		30.965
359.01		30.966
359.02		30.967
359.05		30.97
359.14		30.98
359.24		30.99
359.34	23.975	31.001
359.44		31.012
359.54		31.022
359.64		31.033
359.74		31.043
359.84		31.054
359.94		31.065
360.		31.071
360.01		31.072
360.02		31.073
360.05		31.076
360.14		31.086
360.24	23.976	31.097
360.34		31.107
360.44		31.118
360.54		31.129
360.64		31.139
360.74		31.15
360.84		31.161
360.94		31.171
361.		31.178

361.01		31.179
361.02		31.18
361.05		31.183
361.14		31.193
361.24	23.977	31.204
361.34		31.214
361.44		31.225
361.54		31.236
361.64		31.247
361.74		31.257
361.84		31.268
361.94		31.279
362.		31.285
362.01		31.286
362.02		31.288
362.05		31.291
362.14	23.978	31.3
362.24		31.311
362.34		31.322
362.44		31.333
362.54		31.344
362.64		31.355
362.74		31.365
362.84		31.376
362.94		31.387
363.		31.394
363.01		31.395
363.02		31.396
363.05		31.399
363.14	23.979	31.409
363.24		31.42
363.34		31.431
363.44		31.442
363.54		31.452
363.64		31.463
363.74		31.474
363.84		31.485
363.94		31.496
364.	23.98	31.503
364.01		31.504
364.02		31.505
364.05		31.508
364.14		31.518
364.24		31.529
364.34		31.54
364.44		31.551
364.54		31.562
364.64		31.573

364.74		31.584
364.84		31.595
364.94	23.981	31.606
365.		31.612
365.01		31.614
365.02		31.615
365.05		31.618
365.14		31.628
365.24		31.639
365.34		31.65
365.44		31.661
365.54		31.672
365.64		31.683
365.74		31.694
365.84		31.705
365.94	23.982	31.716
366.		31.723
366.01		31.724
366.02		31.725
366.05		31.729
366.14		31.739
366.24		31.75
366.34		31.761
366.44		31.772
366.54		31.783
366.64		31.794
366.74		31.805
366.84	23.983	31.816
366.94		31.828
367.		31.834
367.01		31.835
367.02		31.837
367.05		31.84
367.14		31.85
367.24		31.861
367.34		31.872
367.44		31.884
367.54		31.895
367.64		31.906
367.74	23.984	31.917
367.84		31.928
367.94		31.94
368.		31.946
368.01		31.948
368.02		31.949
368.05		31.952
368.14		31.962
368.24		31.973

368.34		31.985
368.44		31.996
368.54		32.007
368.64	23.985	32.019
368.74		32.03
368.84		32.041
368.94		32.052
369.		32.059
369.01		32.06
369.02		32.062
369.05		32.065
369.14		32.075
369.24		32.086
369.34		32.098
369.44		32.109
369.54	23.986	32.121
369.64		32.132
369.74		32.143
369.84		32.155
369.94		32.166
370.		32.173
370.01		32.174
370.02		32.175
370.05		32.179
370.14		32.189
370.24		32.2
370.34		32.212
370.44	23.987	32.223
370.54		32.235
370.64		32.246
370.74		32.258
370.84		32.269
370.94		32.28
371.		32.287
371.01		32.288
371.02		32.29
371.05		32.293
371.14		32.303
371.24		32.315
371.34	23.988	32.326
371.44		32.338
371.54		32.349
371.64		32.361
371.74		32.373
371.84		32.384
371.94		32.396
372.		32.403
372.01		32.404

372.02		32.405
372.05		32.408
372.14		32.419
372.24	23.989	32.43
372.34		32.442
372.44		32.454
372.54		32.465
372.64		32.477
372.74		32.488
372.84		32.5
372.94		32.512
373.		32.519
373.01		32.52
373.02		32.521
373.05		32.525
373.14	23.99	32.535
373.24		32.547
373.34		32.558
373.44		32.57
373.54		32.582
373.64		32.593
373.74		32.605
373.84		32.617
373.94		32.629
374.		32.636
374.01		32.637
374.02	23.991	32.638
374.05		32.641
374.14		32.652
374.24		32.664
374.34		32.676
374.44		32.687
374.54		32.699
374.64		32.711
374.74		32.723
374.84		32.734
374.94	23.992	32.746
375.		32.753
375.01		32.755
375.02		32.756
375.05		32.759
375.14		32.77
375.24		32.782
375.34		32.794
375.44		32.805
375.54		32.817
375.64		32.829
375.74		32.841

375.84	23.993	32.853
375.94		32.865
376.		32.872
376.01		32.873
376.02		32.874
376.05		32.878
376.14		32.888
376.24		32.9
376.34		32.912
376.44		32.924
376.54		32.936
376.64		32.948
376.74	23.994	32.96
376.84		32.972
376.94		32.984
377.		32.991
377.01		32.992
377.02		32.994
377.05		32.997
377.14		33.008
377.24		33.02
377.34		33.032
377.44		33.044
377.54		33.056
377.64	23.995	33.068
377.74		33.08
377.84		33.092
377.94		33.104
378.		33.111
378.01		33.112
378.02		33.114
378.05		33.117
378.14		33.128
378.24		33.14
378.34		33.152
378.44	23.996	33.164
378.54		33.176
378.64		33.188
378.74		33.201
378.84		33.213
378.94		33.225
379.		33.232
379.01		33.233
379.02		33.235
379.05		33.238
379.14		33.249
379.24		33.261
379.34	23.997	33.273

379.44		33.286
379.54		33.298
379.64		33.31
379.74		33.322
379.84		33.334
379.94		33.347
380.		33.354
380.01		33.355
380.02		33.356
380.05		33.36
380.14		33.371
380.24		33.383
380.34		33.395
380.44		33.408
380.54		33.42
380.64		33.432
380.74	23.998	33.444
380.84		33.457
380.94		33.469
381.		33.476
381.01		33.478
381.02		33.479
381.05		33.483
381.14		33.494
381.24		33.506
381.34		33.518
381.44	23.999	33.531
381.54		33.543
381.64		33.555
381.74		33.568
381.84		33.58
381.94		33.592
382.		33.6
382.01		33.601
382.02		33.602
382.05		33.606
382.14		33.617
382.24	24.	33.629
382.34		33.642
382.44		33.654
382.54		33.667
382.64		33.679
382.74		33.692
382.84		33.704
382.94		33.716
383.	24.001	33.724
383.01		33.725
383.02		33.726

383.05		33.73
383.14		33.741
383.24		33.754
383.34		33.766
383.44		33.779
383.54		33.791
383.64	24.002	33.804
383.74		33.816
383.84		33.829
383.94		33.841
384.		33.849
384.01		33.85
384.02		33.851
384.05		33.855
384.14		33.866
384.24		33.879
384.34		33.892
384.44		33.904
384.54	24.003	33.917
384.64		33.929
384.74		33.942
384.84		33.955
384.94		33.967
385.		33.975
385.01		33.976
385.02		33.977
385.05		33.981
385.14		33.992
385.24		34.005
385.34	24.004	34.018
385.44		34.03
385.54		34.043
385.64		34.056
385.74		34.068
385.84		34.081
385.94		34.094
386.		34.101
386.01		34.103
386.02		34.104
386.05		34.108
386.14	24.005	34.119
386.24		34.132
386.34		34.145
386.44		34.157
386.54		34.17
386.64		34.183
386.74		34.196
386.84		34.208

386.94		34.221
387.	24.006	34.229
387.01		34.23
387.02		34.232
387.05		34.235
387.14		34.247
387.24		34.26
387.34		34.273
387.44		34.285
387.54		34.298
387.64		34.311
387.74		34.324
387.84	24.007	34.337
387.94		34.35
388.		34.357
388.01		34.359
388.02		34.36
388.05		34.364
388.14		34.376
388.24		34.388
388.34		34.401
388.44		34.414
388.54		34.427
388.64		34.44
388.74	24.008	34.453
388.84		34.466
388.94		34.479
389.		34.487
389.01		34.488
389.02		34.489
389.05		34.493
389.14		34.505
389.24		34.518
389.34		34.531
389.44		34.544
389.54	24.009	34.557
389.64		34.57
389.74		34.583
389.84		34.596
389.94		34.609
390.		34.617
390.01		34.618
390.02		34.62
390.05		34.624
390.14		34.635
390.24		34.648
390.34	24.01	34.661
390.44		34.675

390.54		34.688
390.64		34.701
390.74		34.714
390.84		34.727
390.94		34.74
391.		34.748
391.01		34.749
391.02		34.751
391.05		34.755
391.14		34.766
391.24		34.78
391.34		34.793
391.44		34.806
391.54	24.011	34.819
391.64		34.832
391.74		34.846
391.84		34.859
391.94		34.872
392.		34.88
392.01		34.881
392.02		34.883
392.05		34.887
392.14		34.899
392.24	24.012	34.912
392.34		34.925
392.44		34.938
392.54		34.952
392.64		34.965
392.74		34.978
392.84		34.991
392.94		35.005
393.		35.013
393.01		35.014
393.02		35.015
393.05	24.013	35.019
393.14		35.031
393.24		35.045
393.34		35.058
393.44		35.071
393.54		35.085
393.64		35.098
393.74		35.111
393.84		35.125
393.94	24.014	35.138
394.		35.146
394.01		35.148
394.02		35.149
394.05		35.153

394.14		35.165
394.24		35.179
394.34		35.192
394.44	24.015	35.205
394.54		35.219
394.64		35.232
394.74		35.246
394.84		35.259
394.94		35.273
395.		35.281
395.01		35.282
395.02		35.283
395.05		35.288
395.14		35.3
395.24	24.016	35.313
395.34		35.327
395.44		35.34
395.54		35.354
395.64		35.367
395.74		35.381
395.84		35.394
395.94		35.408
396.	24.017	35.416
396.01		35.417
396.02		35.419
396.05		35.423
396.14		35.435
396.24		35.449
396.34		35.462
396.44		35.476
396.54		35.489
396.64		35.503
396.74		35.517
396.84	24.018	35.53
396.94		35.544
397.		35.552
397.01		35.554
397.02		35.555
397.05		35.559
397.14		35.571
397.24		35.585
397.34		35.599
397.44		35.612
397.54		35.626
397.64	24.019	35.64
397.74		35.654
397.84		35.667
397.94		35.681

398.		35.689
398.01		35.691
398.02		35.692
398.05		35.696
398.14		35.708
398.24		35.722
398.34		35.736
398.44		35.75
398.54		35.764
398.64		35.777
398.74		35.791
398.84		35.805
398.94	24.02	35.819
399.		35.827
399.01		35.829
399.02		35.83
399.05		35.834
399.14		35.847
399.24		35.86
399.34		35.874
399.44		35.888
399.54		35.902
399.64	24.021	35.916
399.74		35.93
399.84		35.944
399.94		35.958
400.		35.966
400.01		35.967
400.02		35.969
400.05		35.973
400.14		35.985
400.24	24.022	35.999
400.34		36.013
400.44		36.027
400.54		36.041
400.64		36.055
400.74		36.069
400.84		36.083
400.94		36.097
401.		36.106
401.01		36.107
401.02		36.108
401.05	24.023	36.113
401.14		36.125
401.24		36.139
401.34		36.153
401.44		36.167
401.54	24.024	36.181

401.64		36.195
401.74		36.209
401.84		36.224
401.94		36.238
402.		36.246
402.01		36.247
402.02		36.249
402.05		36.253
402.14		36.266
402.24		36.28
402.34	24.025	36.294
402.44		36.308
402.54		36.322
402.64		36.336
402.74		36.351
402.84		36.365
402.94		36.379
403.		36.387
403.01		36.389
403.02		36.39
403.05		36.395
403.14	24.026	36.407
403.24		36.421
403.34		36.436
403.44		36.45
403.54		36.464
403.64		36.478
403.74		36.493
403.84		36.507
403.94	24.027	36.521
404.		36.53
404.01		36.531
404.02		36.533
404.05		36.537
404.14		36.55
404.24		36.564
404.34		36.578
404.44		36.593
404.54		36.607
404.64	24.028	36.621
404.74		36.636
404.84		36.65
404.94		36.664
405.		36.673
405.01		36.674
405.02		36.676
405.05		36.68
405.14		36.693

405.24		36.707
405.34		36.722
405.44	24.029	36.736
405.54		36.751
405.64		36.765
405.74		36.779
405.84		36.794
405.94		36.808
406.		36.817
406.01		36.818
406.02		36.82
406.05		36.824
406.14		36.837
406.24	24.03	36.852
406.34		36.866
406.44		36.881
406.54		36.895
406.64		36.91
406.74		36.924
406.84		36.939
406.94	24.031	36.953
407.		36.962
407.01		36.964
407.02		36.965
407.05		36.969
407.14		36.982
407.24		36.997
407.34		37.012
407.44		37.026
407.54		37.041
407.64		37.055
407.74	24.032	37.07
407.84		37.085
407.94		37.099
408.		37.108
408.01		37.109
408.02		37.111
408.05		37.115
408.14		37.129
408.24		37.143
408.34		37.158
408.44	24.033	37.173
408.54		37.187
408.64		37.202
408.74		37.217
408.84		37.231
408.94		37.246
409.		37.255

409.01		37.256
409.02		37.258
409.05		37.262
409.14		37.276
409.24		37.29
409.34		37.305
409.44		37.32
409.54	24.034	37.335
409.64		37.349
409.74		37.364
409.84		37.379
409.94		37.394
410.		37.403
410.01		37.404
410.02		37.406
410.05		37.41
410.14	24.035	37.423
410.24		37.438
410.34		37.453
410.44		37.468
410.54		37.483
410.64		37.498
410.74		37.513
410.84		37.527
410.94		37.542
411.		37.551
411.01	24.036	37.553
411.02		37.554
411.05		37.559
411.14		37.572
411.24		37.587
411.34		37.602
411.44		37.617
411.54		37.632
411.64		37.647
411.74		37.662
411.84		37.677
411.94	24.037	37.692
412.		37.701
412.01		37.702
412.02		37.704
412.05		37.708
412.14		37.722
412.24		37.737
412.34		37.752
412.44	24.038	37.767
412.54		37.782
412.64		37.797

412.74		37.812
412.84		37.827
412.94	24.039	37.841
413.		37.85
413.01		37.852
413.02		37.853
413.05		37.858
413.14		37.871
413.24		37.886
413.34		37.901
413.44		37.916
413.54		37.931
413.64		37.946
413.74	24.04	37.961
413.84		37.976
413.94		37.991
414.		38.
414.01		38.001
414.02		38.003
414.05		38.007
414.14		38.021
414.24		38.036
414.34		38.05
414.44	24.041	38.065
414.54		38.08
414.64		38.095
414.74		38.11
414.84		38.125
414.94		38.14
415.		38.149
415.01		38.15
415.02		38.152
415.05		38.156
415.14		38.169
415.24	24.042	38.184
415.34		38.199
415.44		38.214
415.54		38.229
415.64		38.244
415.74		38.258
415.84		38.273
415.94	24.043	38.288
416.		38.297
416.01		38.298
416.02		38.3
416.05		38.304
416.14		38.318
416.24		38.332

416.34		38.347
416.44		38.362
416.54		38.377
416.64		38.392
416.74	24.044	38.406
416.84		38.421
416.94		38.436
417.		38.445
417.01		38.446
417.02		38.448
417.05		38.452
417.14		38.465
417.24		38.48
417.34		38.495
417.44		38.51
417.54	24.045	38.524
417.64		38.539
417.74		38.554
417.84		38.568
417.94		38.583
418.		38.592
418.01		38.593
418.02		38.595
418.05		38.599
418.14		38.613
418.24	24.046	38.627
418.34		38.642
418.44		38.657
418.54		38.671
418.64		38.686
418.74		38.701
418.84		38.715
418.94		38.73
419.		38.739
419.01		38.74
419.02	24.047	38.742
419.05		38.746
419.14		38.759
419.24		38.774
419.34		38.789
419.44		38.803
419.54		38.818
419.64		38.833
419.74		38.847
419.84	24.048	38.862
419.94		38.876
420.		38.885
420.01		38.887

420.02		38.888
420.05		38.893
420.14		38.906
420.24		38.92
420.34		38.935
420.44		38.949
420.54		38.964
420.64		38.979
420.74		38.993
420.84		39.008
420.94		39.022
421.		39.031
421.01	24.049	39.033
421.02		39.034
421.05		39.038
421.14		39.051
421.24		39.066
421.34		39.081
421.44		39.095
421.54		39.11
421.64		39.124
421.74		39.139
421.84		39.153
421.94	24.05	39.168
422.		39.176
422.01		39.178
422.02		39.179
422.05		39.184
422.14		39.197
422.24		39.211
422.34		39.226
422.44		39.24
422.54	24.051	39.255
422.64		39.269
422.74		39.284
422.84		39.298
422.94		39.313
423.		39.321
423.01		39.323
423.02		39.324
423.05		39.329
423.14		39.342
423.24	24.052	39.356
423.34		39.37
423.44		39.385
423.54		39.399
423.64		39.414
423.74		39.428

423.84		39.443
423.94		39.457
424.		39.466
424.01		39.467
424.02		39.469
424.05	24.053	39.473
424.14		39.486
424.24		39.5
424.34		39.515
424.44		39.529
424.54		39.543
424.64		39.558
424.74		39.572
424.84		39.587
424.94		39.601
425.		39.61
425.01	24.054	39.611
425.02		39.613
425.05		39.617
425.14		39.63
425.24		39.644
425.34		39.659
425.44		39.673
425.54		39.687
425.64		39.702
425.74		39.716
425.84		39.73
425.94	24.055	39.745
426.		39.753
426.01		39.755
426.02		39.756
426.05		39.76
426.14		39.773
426.24		39.788
426.34		39.802
426.44		39.816
426.54		39.831
426.64	24.056	39.845
426.74		39.859
426.84		39.874
426.94		39.888
427.		39.896
427.01		39.898
427.02		39.899
427.05	24.057	39.904
427.14		39.916
427.24		39.931
427.34		39.945

427.44		39.959
427.54		39.973
427.64		39.988
427.74		40.002
427.84	24.058	40.016
427.94		40.031
428.		40.039
428.01		40.04
428.02		40.042
428.05		40.046
428.14		40.059
428.24		40.073
428.34		40.087
428.44		40.102
428.54		40.116
428.64		40.13
428.74	24.059	40.144
428.84		40.158
428.94		40.173
429.		40.181
429.01		40.183
429.02		40.184
429.05		40.188
429.14		40.201
429.24		40.215
429.34		40.229
429.44		40.244
429.54	24.06	40.258
429.64		40.272
429.74		40.286
429.84		40.3
429.94		40.314
430.		40.323
430.01		40.324
430.02		40.326
430.05		40.33
430.14		40.343
430.24		40.357
430.34	24.061	40.371
430.44		40.385
430.54		40.399
430.64		40.413
430.74		40.427
430.84		40.442
430.94		40.456
431.		40.464
431.01		40.465
431.02		40.467

431.05		40.471
431.14		40.484
431.24	24.062	40.498
431.34		40.512
431.44		40.526
431.54		40.54
431.64		40.554
431.74		40.568
431.84		40.582
431.94		40.596
432.	24.063	40.605
432.01		40.606
432.02		40.608
432.05		40.612
432.14		40.624
432.24		40.638
432.34		40.652
432.44		40.667
432.54		40.681
432.64		40.695
432.74		40.709
432.84		40.723
432.94	24.064	40.737
433.		40.745
433.01		40.746
433.02		40.748
433.05		40.752
433.14		40.765
433.24		40.779
433.34		40.793
433.44		40.807
433.54		40.82
433.64		40.834
433.74	24.065	40.848
433.84		40.862
433.94		40.876
434.		40.885
434.01		40.886
434.02		40.887
434.05		40.892
434.14		40.904
434.24		40.918
434.34		40.932
434.44		40.946
434.54		40.96
434.64	24.066	40.974
434.74		40.988
434.84		41.002

434.94		41.016
435.		41.024
435.01		41.025
435.02		41.027
435.05		41.031
435.14		41.043
435.24		41.057
435.34		41.071
435.44	24.067	41.085
435.54		41.099
435.64		41.113
435.74		41.127
435.84		41.141
435.94		41.154
436.		41.163
436.01		41.164
436.02		41.165
436.05		41.17
436.14		41.182
436.24		41.196
436.34	24.068	41.21
436.44		41.224
436.54		41.237
436.64		41.251
436.74		41.265
436.84		41.279
436.94		41.293
437.		41.301
437.01		41.302
437.02		41.304
437.05		41.308
437.14	24.069	41.32
437.24		41.334
437.34		41.348
437.44		41.362
437.54		41.376
437.64		41.389
437.74		41.403
437.84		41.417
437.94		41.431
438.		41.439
438.01	24.07	41.44
438.02		41.442
438.05		41.446
438.14		41.458
438.24		41.472
438.34		41.486
438.44		41.499

438.54		41.513
438.64		41.527
438.74		41.541
438.84		41.554
438.94	24.071	41.568
439.		41.576
439.01		41.578
439.02		41.579
439.05		41.583
439.14		41.595
439.24		41.609
439.34		41.623
439.44		41.636
439.54		41.65
439.64		41.664
439.74		41.678
439.84	24.072	41.691
439.94		41.705
440.		41.713
440.01		41.714
440.02		41.716
440.05		41.72
440.14		41.732
440.24		41.746
440.34		41.76
440.44		41.773
440.54		41.787
440.64		41.8
440.74	24.073	41.814
440.84		41.828
440.94		41.841
441.		41.849
441.01		41.851
441.02		41.852
441.05		41.856
441.14		41.869
441.24		41.882
441.34		41.896
441.44		41.909
441.54	24.074	41.923
441.64		41.937
441.74		41.95
441.84		41.964
441.94		41.977
442.		41.985
442.01		41.987
442.02		41.988
442.05		41.992

442.14		42.004
442.24		42.018
442.34		42.031
442.44	24.075	42.045
442.54		42.059
442.64		42.072
442.74		42.086
442.84		42.099
442.94		42.113
443.		42.121
443.01		42.122
443.02		42.124
443.05		42.128
443.14		42.14
443.24		42.153
443.34	24.076	42.167
443.44		42.18
443.54		42.194
443.64		42.207
443.74		42.221
443.84		42.234
443.94		42.248
444.		42.256
444.01		42.257
444.02		42.259
444.05		42.263
444.14		42.275
444.24	24.077	42.288
444.34		42.302
444.44		42.315
444.54		42.329
444.64		42.342
444.74		42.356
444.84		42.369
444.94		42.383
445.		42.391
445.01		42.392
445.02		42.393
445.05		42.397
445.14	24.078	42.41
445.24		42.423
445.34		42.436
445.44		42.45
445.54		42.463
445.64		42.477
445.74		42.49
445.84		42.503
445.94		42.517

446.		42.525
446.01		42.526
446.02	24.079	42.528
446.05		42.532
446.14		42.544
446.24		42.557
446.34		42.57
446.44		42.584
446.54		42.597
446.64		42.611
446.74		42.624
446.84		42.637
446.94	24.08	42.651
447.		42.659
447.01		42.66
447.02		42.661
447.05		42.665
447.14		42.677
447.24		42.691
447.34		42.704
447.44		42.717
447.54		42.731
447.64		42.744
447.74		42.757
447.84		42.771
447.94	24.081	42.784
448.		42.792
448.01		42.793
448.02		42.794
448.05		42.798
448.14		42.81
448.24		42.824
448.34		42.837
448.44		42.85
448.54		42.864
448.64		42.877
448.74		42.89
448.84	24.082	42.903
448.94		42.917
449.		42.925
449.01		42.926
449.02		42.927
449.05		42.931
449.14		42.943
449.24		42.956
449.34		42.97
449.44		42.983
449.54		42.996

449.64		43.009
449.74	24.083	43.022
449.84		43.036
449.94		43.049
450.		43.057
450.01		43.058
450.02		43.059
450.05		43.063
450.14		43.075
450.24		43.089
450.34		43.102
450.44		43.115
450.54		43.128
450.64	24.084	43.141
450.74		43.154
450.84		43.168
450.94		43.181
451.		43.189
451.01		43.19
451.02		43.191
451.05		43.195
451.14		43.207
451.24		43.22
451.34		43.233
451.44		43.247
451.54		43.26
451.64	24.085	43.273
451.74		43.286
451.84		43.299
451.94		43.312
452.		43.32
452.01		43.321
452.02		43.323
452.05		43.327
452.14		43.338
452.24		43.351
452.34		43.365
452.44		43.378
452.54	24.086	43.391
452.64		43.404
452.74		43.417
452.84		43.43
452.94		43.443
453.		43.451
453.01		43.452
453.02		43.454
453.05		43.457
453.14		43.469

453.24		43.482
453.34		43.495
453.44	24.087	43.508
453.54		43.521
453.64		43.534
453.74		43.548
453.84		43.561
453.94		43.574
454.		43.581
454.01		43.583
454.02		43.584
454.05		43.588
454.14		43.6
454.24		43.613
454.34		43.626
454.44	24.088	43.639
454.54		43.652
454.64		43.665
454.74		43.678
454.84		43.691
454.94		43.704
455.		43.711
455.01		43.713
455.02		43.714
455.05		43.718
455.14		43.73
455.24		43.743
455.34	24.089	43.755
455.44		43.768
455.54		43.781
455.64		43.794
455.74		43.807
455.84		43.82
455.94		43.833
456.		43.841
456.01		43.842
456.02		43.843
456.05		43.847
456.14		43.859
456.24		43.872
456.34	24.09	43.885
456.44		43.898
456.54		43.911
456.64		43.924
456.74		43.936
456.84		43.949
456.94		43.962
457.		43.97

457.01		43.971
457.02		43.973
457.05		43.976
457.14		43.988
457.24	24.091	44.001
457.34		44.014
457.44		44.027
457.54		44.04
457.64		44.052
457.74		44.065
457.84		44.078
457.94		44.091
458.		44.099
458.01		44.1
458.02		44.101
458.05		44.105
458.14		44.117
458.24	24.092	44.129
458.34		44.142
458.44		44.155
458.54		44.168
458.64		44.181
458.74		44.194
458.84		44.206
458.94		44.219
459.		44.227
459.01		44.228
459.02		44.229
459.05		44.233
459.14	24.093	44.245
459.24		44.258
459.34		44.27
459.44		44.283
459.54		44.296
459.64		44.309
459.74		44.321
459.84		44.334
459.94		44.347
460.		44.355
460.01		44.356
460.02		44.357
460.05		44.361
460.14	24.094	44.372
460.24		44.385
460.34		44.398
460.44		44.411
460.54		44.423
460.64		44.436

460.74		44.449
460.84		44.462
460.94		44.474
461.		44.482
461.01		44.483
461.02		44.485
461.05		44.488
461.14	24.095	44.5
461.24		44.512
461.34		44.525
461.44		44.538
461.54		44.551
461.64		44.563
461.74		44.576
461.84		44.589
461.94		44.601
462.		44.609
462.01		44.61
462.02		44.612
462.05	24.096	44.615
462.14		44.627
462.24		44.639
462.34		44.652
462.44		44.665
462.54		44.678
462.64		44.69
462.74		44.703
462.84		44.715
462.94		44.728
463.	24.097	44.736
463.01		44.737
463.02		44.738
463.05		44.742
463.14		44.753
463.24		44.766
463.34		44.779
463.44		44.791
463.54		44.804
463.64		44.817
463.74		44.829
463.84		44.842
463.94		44.854
464.	24.098	44.862
464.01		44.863
464.02		44.864
464.05		44.868
464.14		44.88
464.24		44.892

464.34		44.905
464.44		44.917
464.54		44.93
464.64		44.943
464.74		44.955
464.84		44.968
464.94		44.98
465.	24.099	44.988
465.01		44.989
465.02		44.99
465.05		44.994
465.14		45.005
465.24		45.018
465.34		45.03
465.44		45.043
465.54		45.056
465.64		45.068
465.74		45.081
465.84		45.093
465.94		45.106
466.	24.1	45.113
466.01		45.114
466.02		45.116
466.05		45.119
466.14		45.131
466.24		45.143
466.34		45.156
466.44		45.168
466.54		45.181
466.64		45.193
466.74		45.206
466.84		45.218
466.94	24.101	45.231
467.		45.238
467.01		45.239
467.02		45.241
467.05		45.244
467.14		45.256
467.24		45.268
467.34		45.28
467.44		45.293
467.54		45.305
467.64		45.318
467.74		45.33
467.84		45.343
467.94	24.102	45.355
468.		45.363
468.01		45.364

468.02		45.365
468.05		45.369
468.14		45.38
468.24		45.392
468.34		45.405
468.44		45.417
468.54		45.43
468.64		45.442
468.74		45.454
468.84		45.467
468.94	24.103	45.479
469.		45.487
469.01		45.488
469.02		45.489
469.05		45.493
469.14		45.504
469.24		45.516
469.34		45.529
469.44		45.541
469.54		45.553
469.64		45.566
469.74		45.578
469.84		45.591
469.94	24.104	45.603
470.		45.61
470.01		45.612
470.02		45.613
470.05		45.617
470.14		45.628
470.24		45.64
470.34		45.652
470.44		45.665
470.54		45.677
470.64		45.689
470.74		45.702
470.84		45.714
470.94	24.105	45.726
471.		45.734
471.01		45.735
471.02		45.736
471.05		45.74
471.14		45.751
471.24		45.763
471.34		45.775
471.44		45.788
471.54		45.8
471.64		45.812
471.74		45.825

471.84		45.837
471.94		45.849
472.		45.856
472.01		45.858
472.02		45.859
472.05		45.863
472.14		45.874
472.24		45.886
472.34	24.106	45.898
472.44		45.91
472.54		45.923
472.64		45.935
472.74		45.947
472.84		45.959
472.94		45.972
473.		45.979
473.01		45.98
473.02		45.981
473.05		45.985
473.14		45.996
473.24		46.008
473.34	24.107	46.02
473.44		46.033
473.54		46.045
473.64		46.057
473.74		46.069
473.84		46.081
473.94		46.094
474.		46.101
474.01		46.102
474.02		46.103
474.05		46.107
474.14		46.118
474.24		46.13
474.34	24.108	46.142
474.44		46.154
474.54		46.167
474.64		46.179
474.74		46.191
474.84		46.203
474.94		46.215
475.		46.223
475.01		46.224
475.02		46.225
475.05	24.109	46.229
475.14		46.24
475.24		46.252
475.34		46.264

475.44		46.276
475.54		46.288
475.64		46.3
475.74		46.312
475.84		46.324
475.94		46.336
476.		46.344
476.01	24.11	46.345
476.02		46.346
476.05		46.35
476.14		46.361
476.24		46.373
476.34		46.385
476.44		46.397
476.54		46.409
476.64		46.421
476.74		46.433
476.84		46.445
476.94		46.457
477.		46.465
477.01		46.466
477.02		46.467
477.05	24.111	46.471
477.14		46.481
477.24		46.494
477.34		46.506
477.44		46.518
477.54		46.53
477.64		46.542
477.74		46.554
477.84		46.566
477.94		46.578
478.		46.585
478.01		46.586
478.02		46.587
478.05		46.591
478.14	24.112	46.602
478.24		46.614
478.34		46.626
478.44		46.638
478.54		46.65
478.64		46.662
478.74		46.674
478.84		46.686
478.94		46.698
479.		46.705
479.01		46.706
479.02		46.708

479.05		46.711
479.14	24.113	46.722
479.24		46.734
479.34		46.746
479.44		46.758
479.54		46.77
479.64		46.782
479.74		46.794
479.84		46.806
479.94		46.818
480.		46.825
480.01		46.826
480.02		46.827
480.05		46.831
480.14	24.114	46.842
480.24		46.853
480.34		46.865
480.44		46.877
480.54		46.889
480.64		46.901
480.74		46.913
480.84		46.925
480.94		46.937
481.		46.944
481.01		46.945
481.02		46.947
481.05		46.95
481.14		46.961
481.24	24.115	46.973
481.34		46.985
481.44		46.997
481.54		47.009
481.64		47.02
481.74		47.032
481.84		47.044
481.94		47.056
482.		47.063
482.01		47.064
482.02		47.066
482.05		47.069
482.14		47.08
482.24	24.116	47.092
482.34		47.104
482.44		47.116
482.54		47.127
482.64		47.139
482.74		47.151
482.84		47.163

482.94		47.175
483.		47.182
483.01		47.183
483.02		47.184
483.05		47.188
483.14		47.199
483.24		47.21
483.34	24.117	47.222
483.44		47.234
483.54		47.246
483.64		47.258
483.74		47.27
483.84		47.281
483.94		47.293
484.		47.3
484.01		47.301
484.02		47.303
484.05		47.306
484.14		47.317
484.24		47.329
484.34	24.118	47.34
484.44		47.352
484.54		47.364
484.64		47.376
484.74		47.388
484.84		47.399
484.94		47.411
485.		47.418
485.01		47.419
485.02		47.421
485.05		47.424
485.14		47.435
485.24		47.446
485.34		47.458
485.44	24.119	47.47
485.54		47.482
485.64		47.494
485.74		47.505
485.84		47.517
485.94		47.529
486.		47.536
486.01		47.537
486.02		47.538
486.05		47.542
486.14		47.552
486.24		47.564
486.34		47.576
486.44	24.12	47.587

486.54		47.599
486.64		47.611
486.74		47.623
486.84		47.634
486.94		47.646
487.		47.653
487.01		47.654
487.02		47.655
487.05		47.659
487.14		47.669
487.24		47.681
487.34		47.693
487.44		47.704
487.54		47.716
487.64		47.728
487.74		47.739
487.84		47.751
487.94		47.763
488.		47.77
488.01	24.121	47.771
488.02		47.772
488.05		47.776
488.14		47.786
488.24		47.798
488.34		47.809
488.44		47.821
488.54		47.833
488.64		47.844
488.74		47.856
488.84		47.868
488.94		47.879
489.		47.886
489.01		47.887
489.02		47.889
489.05	24.122	47.892
489.14		47.902
489.24		47.914
489.34		47.926
489.44		47.937
489.54		47.949
489.64		47.961
489.74		47.972
489.84		47.984
489.94		47.995
490.	24.123	48.002
490.01		48.003
490.02		48.005
490.05		48.008

490.14		48.018
490.24		48.03
490.34		48.042
490.44		48.053
490.54		48.065
490.64		48.076
490.74		48.088
490.84		48.099
490.94		48.111
491.		48.118
491.01		48.119
491.02		48.12
491.05	24.124	48.124
491.14		48.134
491.24		48.146
491.34		48.157
491.44		48.169
491.54		48.18
491.64		48.192
491.74		48.203
491.84		48.215
491.94		48.226
492.		48.233
492.01		48.234
492.02		48.235
492.05		48.239
492.14	24.125	48.249
492.24		48.261
492.34		48.272
492.44		48.284
492.54		48.295
492.64		48.307
492.74		48.318
492.84		48.33
492.94		48.341
493.		48.348
493.01		48.349
493.02		48.35
493.05		48.354
493.14		48.364
493.24	24.126	48.375
493.34		48.387
493.44		48.398
493.54		48.41
493.64		48.421
493.74		48.433
493.84		48.444
493.94	24.127	48.456

494.		48.462
494.01		48.464
494.02		48.465
494.05		48.468
494.14		48.478
494.24		48.49
494.34		48.501
494.44		48.513
494.54		48.524
494.64		48.535
494.74		48.547
494.84		48.558
494.94		48.57
495.	24.128	48.577
495.01		48.578
495.02		48.579
495.05		48.582
495.14		48.592
495.24		48.604
495.34		48.615
495.44		48.627
495.54		48.638
495.64		48.649
495.74		48.661
495.84		48.672
495.94		48.683
496.		48.69
496.01		48.691
496.02		48.692
496.05		48.696
496.14	24.129	48.706
496.24		48.717
496.34		48.729
496.44		48.74
496.54		48.751
496.64		48.763
496.74		48.774
496.84		48.785
496.94		48.797
497.		48.803
497.01		48.805
497.02		48.806
497.05		48.809
497.14		48.819
497.24	24.13	48.831
497.34		48.842
497.44		48.853
497.54		48.865

497.64		48.876
497.74		48.887
497.84		48.898
497.94		48.91
498.		48.916
498.01		48.918
498.02		48.919
498.05		48.922
498.14		48.932
498.24	24.131	48.943
498.34		48.955
498.44		48.966
498.54		48.977
498.64		48.988
498.74		49.
498.84		49.011
498.94		49.022
499.		49.029
499.01		49.03
499.02		49.031
499.05		49.035
499.14		49.045
499.24		49.056
499.34	24.132	49.067
499.44		49.078
499.54		49.089
499.64		49.101
499.74		49.112
499.84		49.123
499.94		49.134
500.		49.141
500.01		49.142
500.02		49.143
500.05		49.147
500.14		49.157
500.24		49.168
500.34		49.179
500.44	24.133	49.19
500.54		49.201
500.64		49.213
500.74		49.224
500.84		49.235
500.94		49.246
501.		49.253
501.01		49.254
501.02		49.255
501.05		49.258
501.14		49.268

501.24		49.28
501.34		49.291
501.44		49.302
501.54		49.313
501.64	24.134	49.324
501.74		49.335
501.84		49.346
501.94		49.358
502.		49.364
502.01		49.365
502.02		49.367
502.05		49.37
502.14		49.38
502.24		49.391
502.34		49.402
502.44		49.413
502.54		49.424
502.64		49.435
502.74	24.135	49.447
502.84		49.458
502.94		49.469
503.		49.475
503.01		49.477
503.02		49.478
503.05		49.481
503.14		49.491
503.24		49.502
503.34		49.513
503.44		49.524
503.54		49.535
503.64		49.546
503.74		49.557
503.84	24.136	49.569
503.94		49.58
504.		49.586
504.01		49.587
504.02		49.588
504.05		49.592
504.14		49.602
504.24		49.613
504.34		49.624
504.44		49.635
504.54		49.646
504.64		49.657
504.74		49.668
504.84		49.679
504.94	24.137	49.69
505.		49.697

505.01		49.698
505.02		49.699
505.05		49.702
505.14		49.712
505.24		49.723
505.34		49.734
505.44		49.745
505.54		49.756
505.64		49.767
505.74		49.778
505.84		49.789
505.94		49.8
506.		49.807
506.01		49.808
506.02		49.809
506.05		49.812
506.14		49.822
506.24		49.833
506.34		49.844
506.44		49.855
506.54	24.138	49.866
506.64		49.877
506.74		49.888
506.84		49.899
506.94		49.91
507.		49.916
507.01		49.918
507.02		49.919
507.05		49.922
507.14		49.932
507.24		49.943
507.34		49.954
507.44		49.965
507.54		49.976
507.64		49.986
507.74		49.997
507.84	24.139	50.008
507.94		50.019
508.		50.026
508.01		50.027
508.02		50.028
508.05		50.031
508.14		50.041
508.24		50.052
508.34		50.063
508.44	24.14	50.074
508.54		50.085
508.64		50.096

508.74		50.106
508.84		50.117
508.94		50.128
509.		50.135
509.01		50.136
509.02		50.137
509.05		50.14
509.14		50.15
509.24		50.161
509.34		50.172
509.44		50.183
509.54		50.193
509.64		50.204
509.74		50.215
509.84		50.226
509.94		50.237
510.	24.141	50.243
510.01		50.244
510.02		50.245
510.05		50.249
510.14		50.258
510.24		50.269
510.34		50.28
510.44		50.291
510.54		50.302
510.64		50.313
510.74		50.323
510.84		50.334
510.94		50.345
511.		50.352
511.01		50.353
511.02	24.142	50.354
511.05		50.357
511.14		50.367
511.24		50.377
511.34		50.388
511.44		50.399
511.54		50.41
511.64		50.421
511.74		50.431
511.84		50.442
511.94		50.453
512.		50.459
512.01	24.143	50.46
512.02		50.462
512.05		50.465
512.14		50.474
512.24		50.485

512.34		50.496
512.44		50.507
512.54		50.517
512.64		50.528
512.74		50.539
512.84	24.144	50.55
512.94		50.56
513.		50.567
513.01		50.568
513.02		50.569
513.05		50.572
513.14		50.582
513.24		50.593
513.34		50.603
513.44		50.614
513.54		50.625
513.64		50.636
513.74		50.646
513.84		50.657
513.94	24.145	50.668
514.		50.674
514.01		50.675
514.02		50.676
514.05		50.679
514.14		50.689
514.24		50.7
514.34		50.71
514.44		50.721
514.54		50.732
514.64		50.742
514.74		50.753
514.84		50.764
514.94		50.774
515.		50.781
515.01		50.782
515.02		50.783
515.05		50.786
515.14	24.146	50.796
515.24		50.806
515.34		50.817
515.44		50.828
515.54		50.838
515.64		50.849
515.74		50.86
515.84		50.87
515.94		50.881
516.		50.887
516.01		50.888

516.02		50.889
516.05		50.893
516.14		50.902
516.24		50.913
516.34		50.923
516.44		50.934
516.54		50.945
516.64		50.955
516.74		50.966
516.84		50.976
516.94	24.147	50.987
517.		50.993
517.01		50.994
517.02		50.995
517.05		50.999
517.14		51.008
517.24		51.019
517.34		51.029
517.44		51.04
517.54		51.05
517.64		51.061
517.74		51.072
517.84		51.082
517.94		51.093
518.		51.099
518.01	24.148	51.1
518.02		51.101
518.05		51.104
518.14		51.114
518.24		51.124
518.34		51.135
518.44		51.146
518.54		51.156
518.64		51.167
518.74		51.177
518.84		51.188
518.94		51.198
519.		51.204
519.01		51.206
519.02	24.149	51.207
519.05		51.21
519.14		51.219
519.24		51.23
519.34		51.24
519.44		51.251
519.54		51.261
519.64		51.272
519.74	24.15	51.282

519.84		51.293
519.94		51.303
520.		51.31
520.01		51.311
520.02		51.312
520.05		51.315
520.14		51.324
520.24		51.335
520.34		51.345
520.44		51.356
520.54		51.366
520.64		51.377
520.74		51.387
520.84		51.397
520.94	24.151	51.408
521.		51.414
521.01		51.415
521.02		51.416
521.05		51.419
521.14		51.429
521.24		51.439
521.34		51.45
521.44		51.46
521.54		51.471
521.64		51.481
521.74		51.491
521.84		51.502
521.94		51.512
522.		51.519
522.01		51.52
522.02	24.152	51.521
522.05		51.524
522.14		51.533
522.24		51.544
522.34		51.554
522.44		51.564
522.54		51.575
522.64		51.585
522.74		51.596
522.84		51.606
522.94		51.616
523.		51.623
523.01		51.624
523.02		51.625
523.05		51.628
523.14		51.637
523.24	24.153	51.647
523.34		51.658

523.44		51.668
523.54		51.679
523.64		51.689
523.74		51.699
523.84		51.71
523.94		51.72
524.		51.726
524.01		51.727
524.02		51.728
524.05		51.731
524.14		51.741
524.24		51.751
524.34		51.761
524.44	24.154	51.772
524.54		51.782
524.64		51.792
524.74		51.803
524.84		51.813
524.94		51.823
525.		51.83
525.01		51.831
525.02		51.832
525.05		51.835
525.14		51.844
525.24		51.854
525.34		51.865
525.44		51.875
525.54	24.155	51.885
525.64		51.895
525.74		51.906
525.84		51.916
525.94		51.926
526.		51.932
526.01		51.934
526.02		51.935
526.05		51.938
526.14		51.947
526.24		51.957
526.34		51.967
526.44		51.978
526.54		51.988
526.64		51.998
526.74	24.156	52.009
526.84		52.019
526.94		52.029
527.		52.035
527.01		52.036
527.02		52.037

527.05		52.04
527.14		52.05
527.24		52.06
527.34		52.07
527.44		52.08
527.54		52.091
527.64		52.101
527.74		52.111
527.84		52.121
527.94	24.157	52.132
528.		52.138
528.01		52.139
528.02		52.14
528.05		52.143
528.14		52.152
528.24		52.162
528.34		52.172
528.44		52.183
528.54		52.193
528.64		52.203
528.74		52.213
528.84		52.224
528.94		52.234
529.		52.24
529.01		52.241
529.02		52.242
529.05		52.245
529.14	24.158	52.254
529.24		52.264
529.34		52.274
529.44		52.285
529.54		52.295
529.64		52.305
529.74		52.315
529.84		52.325
529.94		52.336
530.		52.342
530.01		52.343
530.02		52.344
530.05		52.347
530.14		52.356
530.24		52.366
530.34	24.159	52.376
530.44		52.386
530.54		52.396
530.64		52.407
530.74		52.417
530.84		52.427

530.94		52.437
531.		52.443
531.01		52.444
531.02		52.445
531.05		52.448
531.14		52.457
531.24		52.467
531.34		52.477
531.44		52.488
531.54		52.498
531.64		52.508
531.74		52.518
531.84		52.528
531.94		52.538
532.		52.544
532.01		52.545
532.02	24.16	52.546
532.05		52.549
532.14		52.558
532.24		52.568
532.34		52.578
532.44		52.589
532.54		52.599
532.64		52.609
532.74		52.619
532.84		52.629
532.94		52.639
533.		52.645
533.01		52.646
533.02		52.647
533.05		52.65
533.14	24.161	52.659
533.24		52.669
533.34		52.679
533.44		52.689
533.54		52.699
533.64		52.709
533.74		52.719
533.84		52.729
533.94		52.739
534.		52.745
534.01		52.746
534.02		52.747
534.05	24.162	52.75
534.14		52.759
534.24		52.769
534.34		52.779
534.44		52.79

534.54		52.8
534.64		52.81
534.74		52.82
534.84		52.83
534.94		52.84
535.		52.846
535.01		52.847
535.02		52.848
535.05		52.851
535.14		52.86
535.24		52.87
535.34		52.879
535.44		52.889
535.54		52.899
535.64		52.909
535.74		52.919
535.84	24.163	52.929
535.94		52.939
536.		52.945
536.01		52.946
536.02		52.947
536.05		52.95
536.14		52.959
536.24		52.969
536.34		52.979
536.44		52.989
536.54		52.999
536.64		53.009
536.74		53.019
536.84		53.029
536.94		53.039
537.	24.164	53.045
537.01		53.046
537.02		53.047
537.05		53.05
537.14		53.059
537.24		53.069
537.34		53.078
537.44		53.088
537.54		53.098
537.64		53.108
537.74		53.118
537.84		53.128
537.94	24.165	53.138
538.		53.144
538.01		53.145
538.02		53.146
538.05		53.149

538.14		53.158
538.24		53.168
538.34		53.178
538.44		53.187
538.54		53.197
538.64		53.207
538.74	24.166	53.217
538.84		53.227
538.94		53.237
539.		53.243
539.01		53.244
539.02		53.245
539.05		53.248
539.14		53.256
539.24		53.266
539.34		53.276
539.44		53.286
539.54		53.296
539.64		53.306
539.74		53.316
539.84		53.325
539.94	24.167	53.335
540.		53.341
540.01		53.342
540.02		53.343
540.05		53.346
540.14		53.355
540.24		53.365
540.34		53.375
540.44		53.384
540.54		53.394
540.64		53.404
540.74		53.414
540.84		53.424
540.94		53.433
541.		53.439
541.01		53.44
541.02		53.441
541.05		53.444
541.14	24.168	53.453
541.24		53.463
541.34		53.473
541.44		53.482
541.54		53.492
541.64		53.502
541.74		53.512
541.84		53.521
541.94		53.531

542.		53.537
542.01		53.538
542.02		53.539
542.05		53.542
542.14		53.551
542.24		53.56
542.34		53.57
542.44		53.58
542.54		53.59
542.64		53.599
542.74		53.609
542.84		53.619
542.94		53.629
543.		53.635
543.01	24.169	53.636
543.02		
543.05		53.639
543.14		53.648
543.24		53.658
543.34		53.668
543.44		53.677
543.54		53.687
543.64		53.697
543.74		53.706
543.84		53.716
543.94		53.726
544.		53.732
544.01		53.733
544.02		53.734
544.05	24.17	53.737
544.14		53.745
544.24		53.755
544.34		53.765
544.44		53.774
544.54		53.784
544.64		53.794
544.74		53.803
544.84		53.813
544.94		53.823
545.		53.829
545.01		53.83
545.02		
545.05	24.171	53.833
545.14		53.842
545.24		53.852
545.34		53.861
545.44		53.871
545.54		53.881

545.64		53.89
545.74		53.9
545.84		53.91
545.94		53.919
546.		53.925
546.01		53.926
546.02		53.927
546.05	24.172	53.93
546.14		53.939
546.24		53.948
546.34		53.958
546.44		53.967
546.54		53.977
546.64		53.987
546.74		53.996
546.84		54.006
546.94		54.015
547.		54.021
547.01		54.022
547.02		54.023
547.05		54.026
547.14		54.035
547.24		54.044
547.34	24.173	54.054
547.44		54.063
547.54		54.073
547.64		54.083
547.74		54.092
547.84		54.102
547.94		54.111
548.		54.117
548.01		54.118
548.02		54.119
548.05		54.122
548.14		54.131
548.24		54.14
548.34		54.15
548.44		54.159
548.54	24.174	54.169
548.64		54.178
548.74		54.188
548.84		54.197
548.94		54.207
549.		54.213
549.01		54.214
549.02		54.215
549.05		54.217
549.14		54.226

549.24		54.236
549.34		54.245
549.44		54.255
549.54		54.264
549.64		54.274
549.74		54.283
549.84	24.175	54.293
549.94		54.302
550.		54.308
550.01		54.309
550.02		54.31
550.05		54.313
550.14		54.321
550.24		54.331
550.34		54.34
550.44		54.35
550.54		54.359
550.64		54.369
550.74		54.378
550.84		54.388
550.94		54.397
551.		54.403
551.01		54.404
551.02	24.176	54.405
551.05		54.408
551.14		54.416
551.24		54.426
551.34		54.435
551.44		54.445
551.54		54.454
551.64		54.464
551.74		54.473
551.84		54.482
551.94		54.492
552.		54.498
552.01		
552.02		54.499
552.05		54.502
552.14		54.511
552.24		54.52
552.34	24.177	54.53
552.44		54.539
552.54		54.548
552.64		54.558
552.74		54.567
552.84		54.577
552.94		54.586
553.		54.592

553.01		54.593
553.02		54.594
553.05		54.597
553.14		54.605
553.24		54.614
553.34		54.624
553.44		54.633
553.54	24.178	54.643
553.64		54.652
553.74		54.661
553.84		54.671
553.94		54.68
554.		54.686
554.01		54.687
554.02		54.688
554.05		54.691
554.14		54.699
554.24		54.708
554.34		54.718
554.44		54.727
554.54		54.736
554.64		54.746
554.74		54.755
554.84	24.179	54.765
554.94		54.774
555.		54.78
555.05		54.784
555.1		54.789
555.25		54.803
555.7		54.845
556.2	24.18	54.892
556.7		54.938
557.2		54.985
557.7	24.181	55.031
558.2		55.078
558.7	24.182	55.124
559.2		55.17
559.7		55.216
560.	24.183	55.244
560.05		55.249
560.1		55.253
560.25		55.267
560.7		55.308
561.2	24.184	55.354
561.7		55.4
562.2		55.446
562.7	24.185	55.492
563.2		55.537

563.7	24.186	55.583
564.2		55.628
564.7		55.674
565.	24.187	55.701
565.05		55.706
565.1		55.71
565.25		55.724
565.7		55.765
566.2		55.81
566.7	24.188	55.855
567.2		55.9
567.7	24.189	55.945
568.2		55.99
568.7		56.035
569.2	24.19	56.08
569.7		56.124
570.		56.151
570.05		56.156
570.1		56.16
570.25	24.191	56.173
570.7		56.214
571.2		56.258
571.7	24.192	56.302
572.2		56.347
572.7		56.391
573.2	24.193	56.435
573.7		56.48
574.2	24.194	56.524
574.7		56.568
575.		56.594
575.05		56.598
575.1		56.603
575.25		56.616
575.7	24.195	56.655
576.2		56.699
576.7	24.196	56.743
577.2		56.787
577.7		56.83
578.2	24.197	56.874
578.7		56.917
579.2		56.961
579.7	24.198	57.004
580.		57.03
580.05		57.034
580.1		57.038
580.25		57.051
580.7	24.199	57.09
581.2		57.133

581.7		57.176
582.2	24.2	57.219
582.7		57.262
583.2		57.305
583.7	24.201	57.348
584.2		57.391
584.7	24.202	57.433
585.		57.459
585.05		57.463
585.1		57.467
585.25		57.48
585.7		57.518
586.2	24.203	57.561
586.7		57.603
587.2	24.204	57.645
587.7		57.688
588.2		57.73
588.7	24.205	57.772
589.2		57.814
589.7		57.856
590.	24.206	57.881
590.05		57.885
590.1		57.889
590.25		57.902
590.7		57.94
591.2		57.982
591.7	24.207	58.023
592.2		58.065
592.7	24.208	58.107
593.2		58.148
593.7		58.19
594.2	24.209	58.231
594.7		58.272
595.		58.297
595.05		58.301
595.1		58.305
595.25		58.318
595.7	24.21	58.355
596.2		58.396
596.7	24.211	58.437
597.2		58.478
597.7		58.519
598.2	24.212	58.56
598.7		58.601
599.2		58.642
599.7	24.213	58.682
600.		58.707
601.	24.214	58.788

602.		58.869
605.	24.217	59.109
614.	24.223	59.815
624.	24.23	60.575
634.	24.237	61.312
644.	24.244	62.026
654.	24.251	62.716
664.	24.257	63.384
674.	24.264	64.031
684.	24.27	64.656
694.	24.277	65.261
700.	24.28	65.615
701.	24.281	65.673
702.	24.282	65.731
705.	24.284	65.904
714.	24.289	66.412
724.	24.295	66.957
734.	24.301	67.484
744.	24.307	67.993
754.	24.313	68.484
764.	24.319	68.957
774.	24.325	69.414
784.	24.331	69.854
794.	24.336	70.277
800.	24.34	70.524
801.		70.565
802.	24.341	70.605
805.	24.342	70.725
814.	24.347	71.078
824.	24.353	71.456
834.	24.358	71.819
844.	24.363	72.168
854.	24.369	72.503
864.	24.374	72.825
874.	24.379	73.133
884.	24.384	73.429
894.	24.389	73.711
900.	24.392	73.875
901.	24.393	73.902
902.		73.928
905.	24.395	74.008
914.	24.399	74.24
924.	24.404	74.488
934.	24.409	74.724
944.	24.414	74.949
954.	24.418	75.163
964.	24.423	75.366
974.	24.428	75.56

984.	24.432	75.743
994.	24.437	75.917
1000.	24.44	76.016
1002.	24.441	76.048
1004.		76.08
1010.	24.444	76.173
1028.	24.452	76.439
1048.	24.461	76.703
1068.	24.469	76.934
1088.	24.478	77.134
1108.	24.486	77.304
1128.	24.494	77.447
1148.	24.502	77.562
1168.	24.51	77.654
1188.	24.518	77.721
1200.	24.522	77.748
1202.	24.523	77.751
1204.	24.524	77.754
1210.	24.526	77.762
1228.	24.533	77.781
1248.	24.54	77.784
1268.	24.547	77.769
1288.	24.554	77.735
1308.	24.561	77.683
1328.	24.568	77.616
1348.	24.575	77.534
1368.	24.581	77.437
1388.	24.588	77.327
1400.	24.592	77.251
1402.	24.593	77.238
1404.		77.224
1410.	24.595	77.183
1428.	24.601	77.059
1448.	24.607	76.913
1468.	24.613	76.755
1488.	24.619	76.588
1508.	24.625	76.411
1528.	24.631	76.225
1548.	24.637	76.031
1568.	24.643	75.829
1588.	24.649	75.619
1600.	24.652	75.487
1602.		75.464
1604.	24.653	75.441
1610.	24.655	75.372
1628.	24.66	75.17
1648.	24.665	74.941
1668.	24.67	74.707

1688.	24.676	74.466
1708.	24.681	74.222
1728.	24.686	73.972
1748.	24.691	73.719
1768.	24.696	73.461
1788.	24.701	73.2
1800.	24.704	73.038
1802.		73.011
1804.	24.705	72.983
1810.	24.706	72.901
1828.	24.711	72.659
1848.	24.715	72.388
1868.	24.72	72.115
1888.	24.725	71.84
1908.	24.729	71.562
1928.	24.734	71.283
1948.	24.738	71.001
1968.	24.742	70.719
1988.	24.747	70.434
2000.	24.749	70.261
2002.	24.75	70.231
2004.		70.201
2010.	24.751	70.113
2028.	24.755	69.854
2048.	24.759	69.567
2068.	24.763	69.279
2088.	24.768	68.99
2108.	24.772	68.701
2128.	24.775	68.412
2148.	24.779	68.122
2168.	24.783	67.832
2188.	24.787	67.542
2200.	24.789	67.365
2202.	24.79	67.336
2204.		67.306
2210.	24.791	67.216
2228.	24.794	66.955
2248.	24.798	66.665
2268.	24.802	66.376
2288.	24.805	66.087
2308.	24.809	65.799
2328.	24.812	65.512
2348.	24.816	65.224
2368.	24.819	64.938
2388.	24.822	64.652
2400.	24.824	64.479
2402.	24.825	64.449
2404.		64.42

2410.	24.826	64.333
2428.	24.829	64.076
2448.	24.832	63.793
2468.	24.835	63.511
2488.	24.839	63.23
2508.	24.842	62.95
2528.	24.845	62.67
2548.	24.848	62.392
2568.	24.851	62.115
2588.	24.854	61.839
2600.	24.856	61.672
2602.		61.644
2604.		61.616
2610.	24.857	61.532
2628.	24.86	61.285
2648.	24.862	61.013
2668.	24.865	60.743
2688.	24.868	60.473
2708.	24.871	60.205
2728.	24.873	59.938
2748.	24.876	59.672
2768.	24.879	59.408
2788.	24.881	59.146
2800.	24.883	58.987
2802.		58.96
2804.		58.933
2810.	24.884	58.853
2828.	24.886	58.619
2848.	24.889	58.36
2868.	24.892	58.103
2888.	24.894	57.848
2908.	24.896	57.594
2928.	24.899	57.341
2948.	24.901	57.09
2968.	24.904	56.84
2988.	24.906	56.592
3000.	24.907	56.442
3002.		56.417
3004.	24.908	56.391
3010.		56.316
3028.	24.91	56.095
3048.	24.913	55.851
3068.	24.915	55.609
3088.	24.917	55.368
3108.	24.919	55.129
3128.	24.921	54.892
3148.	24.923	54.655
3168.	24.925	54.421

3188.	24.927	54.187
3200.	24.928	54.046
3202.	24.929	54.023
3204.		53.999
3210.		53.928
3228.	24.931	53.721
3248.	24.933	53.492
3268.	24.935	53.265
3288.	24.937	53.039
3308.	24.939	52.815
3328.	24.941	52.592
3348.	24.943	52.371
3368.	24.944	52.151
3388.	24.946	51.933
3400.	24.947	51.802
3402.		51.779
3404.	24.948	51.757
3410.		51.691
3428.	24.95	51.497
3448.	24.951	51.283
3468.	24.953	51.07
3488.	24.955	50.859
3508.	24.956	50.65
3528.	24.958	50.442
3548.	24.96	50.235
3568.	24.961	50.03
3588.	24.963	49.826
3600.	24.964	49.703
3602.		49.682
3604.		49.662
3610.		49.6
3628.	24.966	49.419
3648.	24.967	49.219
3668.	24.969	49.021
3688.	24.97	48.824
3708.	24.972	48.629
3728.	24.973	48.435
3748.	24.974	48.242
3768.	24.976	48.05
3788.	24.977	47.86
3800.	24.978	47.746
3802.		47.727
3804.		47.707
3810.		47.65
3828.	24.98	47.481
3848.	24.981	47.295
3868.	24.982	47.11
3888.	24.983	46.927

3908.	24.985	46.744
3928.	24.986	46.564
3948.	24.987	46.384
3968.	24.988	46.206
3988.	24.989	46.029
4000.	24.99	45.922
4002.		45.904
4004.		45.886
4010.	24.991	45.833
4028.	24.992	45.675
4048.	24.993	45.502
4068.	24.994	45.33
4088.	24.995	45.159
4108.	24.996	44.99
4128.	24.997	44.821
4148.	24.998	44.654
4168.	24.999	44.488
4188.	25.	44.323
4200.	25.001	44.223
4202.		44.206
4204.		44.189
4210.		44.139
4228.	25.002	43.993
4248.	25.003	43.832
4268.	25.004	43.672
4288.	25.005	43.513
4308.	25.006	43.355
4328.	25.007	43.198
4348.		43.043
4368.	25.008	42.889
4388.	25.009	42.735
4400.	25.01	42.643
4402.		42.627
4404.		42.612
4410.		42.565
4428.	25.011	42.429
4448.		42.279
4468.	25.012	42.13
4488.	25.013	41.982
4508.	25.014	41.835
4528.		41.69
4548.	25.015	41.545
4568.	25.016	41.401
4588.	25.017	41.259
4600.		41.173
4602.		41.158
4604.		41.144
4610.		41.101

4628.	25.018	40.974
4648.		40.834
4668.	25.019	40.696
4688.	25.02	40.558
4708.		40.421
4728.	25.021	40.286
4748.	25.022	40.151
4768.		40.017
4788.	25.023	39.885
4800.		39.805
4802.		39.791
4804.		39.778
4810.		39.738
4828.	25.024	39.62
4848.		39.49
4868.	25.025	39.361
4888.		39.233
4908.	25.026	39.106
4928.		38.979
4948.	25.027	38.854
4968.		38.73
4988.		38.606
5000.	25.028	38.532
5002.		38.519
5004.		38.507
5010.		38.469
5028.		38.359
5048.	25.029	38.239
5068.		38.119
5088.		37.999
5108.	25.03	37.881
5128.		37.764
5148.		37.647
5168.	25.031	37.531
5188.		37.416
5200.		37.347
5202.		37.335
5204.		37.324
5210.		37.289
5228.	25.032	37.187
5248.		37.074
5268.		36.962
5288.		36.852
5308.	25.033	36.741
5328.		36.632
5348.		36.524
5368.		36.416
5388.	25.034	36.309

5400.		36.244
5402.		36.233
5404.		36.223
5410.		36.19
5428.		36.095
5448.		35.99
5468.		35.886
5488.		35.783
5508.		35.681
5528.		35.579
5548.		35.478
5568.		35.377
5588.		35.278
5600.		35.218
5602.		35.208
5604.	25.035	35.198
5610.		35.167
5628.		35.079
5648.		34.981
5668.		34.884
5688.		34.788
5708.		34.693
5728.		34.598
5748.		34.504
5768.		34.411
5788.		34.318
5800.		34.262
5802.	25.036	34.253
5804.		34.243
5810.		34.215
5828.		34.133
5848.		34.042
5868.		33.952
5888.		33.862
5908.		33.773
5928.		33.685
5948.		33.597
5968.		33.51
5988.		33.424
6000.	25.035	33.372
6002.		33.363
6004.		33.355
6010.		33.328
6028.		33.252
6048.		33.167
6068.		33.083
6088.		33.
6108.		32.917

6128.	25.034	32.835
6148.		32.753
6168.		32.672
6188.		32.592
6200.		32.543
6202.		32.535
6204.		32.527
6210.		32.503
6228.		32.431
6248.		32.353
6268.	25.033	32.274
6288.		32.197
6308.		32.12
6328.		32.043
6348.		31.967
6368.	25.032	31.892
6388.		31.817
6400.		31.772
6402.		31.764
6404.		31.757
6410.		31.734
6428.		31.668
6448.	25.031	31.594
6468.		31.522
6488.		31.449
6508.		31.378
6528.	25.03	31.306
6548.		31.236
6568.		31.166
6588.		31.096
6600.	25.029	31.054
6602.		31.047
6604.		31.04
6610.		31.019
6628.		30.957
6648.		30.889
6668.	25.028	30.821
6688.		30.754
6708.		30.687
6728.	25.027	30.621
6748.		30.555
6768.		30.49
6788.	25.026	30.425
6800.		30.386
6802.		30.38
6804.		30.373
6810.		30.354
6828.	25.025	30.296

6848.		30.233
6868.		30.17
6888.	25.024	30.107
6908.		30.045
6928.		29.984
6948.	25.023	29.923
6968.		29.862
6988.	25.022	29.801
7000.		29.765
7002.		29.759
7004.		29.753
7010.		29.734
7028.	25.021	29.681
7048.		29.622
7068.		29.564
7088.	25.02	29.506
7108.		29.456
7128.	25.019	29.431
7148.		29.406
7168.	25.018	29.38
7188.		29.355
7200.		29.34

FIGURE 18
Model (X4) > Transient Thermal (X5) > Solution (X6) > Permacon Temperature

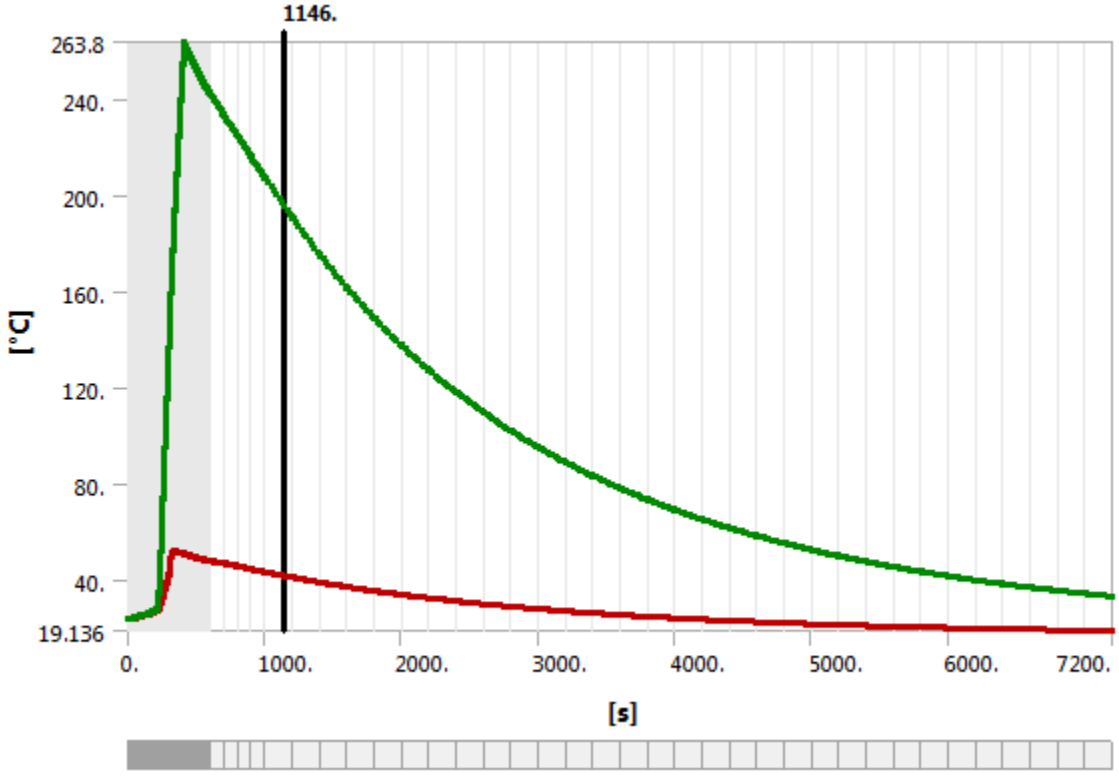

TABLE 29
Model (X4) > Transient Thermal (X5) > Solution (X6) > Permacon Temperature

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.889	23.89
4.e-002		
0.1	23.888	23.892
0.28	23.886	23.896
0.48	23.885	23.898
0.68	23.884	23.899
0.88	23.883	
1.08		
1.28	23.882	
1.48	23.881	
1.68		
1.88	23.88	
2.		
2.02		
2.04		
2.1		23.898
2.28	23.879	
2.48		
2.68	23.878	
2.88		23.897
3.08	23.877	
3.28		
3.48	23.876	23.896
3.68	23.875	
3.88		
4.		
4.02	23.874	
4.04		
4.1		
4.28		23.895
4.48	23.873	
4.68		
4.88	23.872	
5.08		23.894
5.28	23.871	
5.48		
5.68	23.87	
5.88	23.869	
6.		23.893
6.02		
6.04		
6.1		
6.28	23.868	
6.48		
6.68	23.867	
6.88		23.892

7.08	23.866	
7.28		
7.48	23.865	
7.68		
7.88	23.864	23.891
8.		
8.02		
8.04		
8.1		
8.28	23.863	
8.48	23.862	
8.68		
8.88	23.861	
9.08		23.89
9.28	23.86	
9.48		
9.68	23.859	
9.88		
10.	23.858	23.889
10.02		
10.04		
10.1		
10.28		
10.48	23.857	
10.68		
10.88		
11.08		
11.28	23.856	23.888
11.48		
11.68		23.889
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48	23.857	23.89
12.68	23.859	23.891
12.88	23.86	23.892
13.08		23.893
13.28	23.861	23.894
13.48		23.896
13.68	23.862	23.897
13.88	23.863	23.899
14.		23.9
14.02		
14.04		
14.1	23.864	23.901

14.28	23.865	23.904
14.48	23.866	23.908
14.68	23.869	23.913
14.88	23.871	23.918
15.08	23.873	23.924
15.28	23.876	23.93
15.48	23.879	23.936
15.68	23.882	23.943
15.88	23.886	23.951
16.	23.888	23.955
16.02	23.889	23.956
16.04		23.957
16.1	23.89	23.959
16.28	23.894	23.964
16.48	23.899	23.97
16.68	23.903	23.977
16.88	23.908	23.982
17.08	23.913	23.988
17.28	23.917	23.993
17.48	23.922	23.999
17.68	23.926	24.004
17.88	23.931	24.008
18.	23.933	24.011
18.02	23.934	24.012
18.04		
18.1	23.936	24.014
18.28	23.94	24.019
18.48	23.944	24.026
18.68	23.949	24.032
18.88	23.953	24.039
19.08	23.958	24.046
19.28	23.962	24.053
19.48	23.967	24.06
19.68	23.972	24.067
19.88	23.977	24.075
20.	23.98	24.08
20.02		
20.04	23.981	24.081
20.1	23.982	24.083
20.28	23.987	24.088
20.48	23.992	24.092
20.68	23.997	24.097
20.88	24.002	24.101
21.08	24.006	24.104
21.28	24.011	24.108
21.48	24.015	24.11
21.68	24.019	24.113
21.88	24.023	24.115

22.	24.025	24.117
22.02		
22.04	24.026	
22.1	24.027	24.118
22.28	24.03	24.121
22.48	24.034	24.125
22.68	24.037	24.129
22.88	24.041	24.132
23.08	24.045	24.136
23.28	24.048	24.14
23.48	24.052	24.144
23.68	24.056	24.148
23.88	24.059	24.152
24.	24.061	24.155
24.02	24.062	
24.04		24.156
24.1	24.063	24.157
24.28	24.066	24.16
24.48	24.07	24.162
24.68	24.073	24.165
24.88	24.077	24.167
25.08	24.08	24.17
25.28	24.083	24.172
25.48	24.086	24.173
25.68	24.089	24.175
25.88	24.092	24.177
26.	24.094	
26.02		24.178
26.04		
26.1	24.095	24.179
26.28	24.097	24.182
26.48	24.1	24.186
26.68	24.103	24.19
26.88	24.106	24.195
27.08	24.109	24.2
27.28	24.112	24.206
27.48	24.116	24.212
27.68	24.119	24.218
27.88	24.123	24.224
28.	24.125	24.228
28.02	24.126	24.229
28.04		
28.1	24.127	24.231
28.28	24.131	24.235
28.48	24.135	24.239
28.68	24.139	24.243
28.88	24.142	24.246
29.08	24.146	24.249

29.28	24.15	24.252
29.48	24.153	24.255
29.68	24.157	24.257
29.88	24.16	24.26
30.	24.162	24.261
30.02	24.163	
30.04		24.262
30.1	24.164	
30.28	24.167	24.265
30.48	24.17	24.268
30.68	24.173	24.271
30.88	24.176	24.275
31.08	24.179	24.278
31.28	24.182	24.281
31.48	24.186	24.285
31.68	24.189	24.288
31.88	24.192	24.292
32.	24.194	24.294
32.02		
32.04		24.295
32.1	24.195	
32.28	24.198	24.298
32.48	24.201	24.3
32.68	24.204	24.302
32.88	24.207	24.304
33.08	24.21	24.306
33.28	24.213	24.308
33.48	24.216	24.309
33.68	24.218	24.311
33.88	24.221	24.312
34.	24.222	24.313
34.02		
34.04	24.223	
34.1		24.314
34.28	24.225	24.316
34.48	24.228	24.318
34.68	24.23	24.32
34.88	24.232	24.323
35.08	24.235	24.326
35.28	24.237	24.328
35.48	24.24	24.331
35.68	24.242	24.334
35.88	24.245	24.337
36.	24.246	24.339
36.02		
36.04	24.247	24.34
36.1		
36.28	24.25	24.343

36.48	24.252	24.346
36.68	24.255	24.349
36.88	24.258	24.352
37.08	24.26	24.355
37.28	24.263	24.358
37.48	24.265	24.361
37.68	24.268	24.364
37.88	24.271	24.367
38.	24.272	24.369
38.02	24.273	
38.04		
38.1	24.274	24.37
38.28	24.276	24.372
38.48	24.279	24.375
38.68	24.281	24.378
38.88	24.284	24.38
39.08	24.287	24.382
39.28	24.289	24.385
39.48	24.292	24.387
39.68	24.294	24.389
39.88	24.297	24.392
40.	24.298	24.393
40.02	24.299	
40.04		24.394
40.1	24.3	
40.28	24.302	24.398
40.48	24.304	24.402
40.68	24.307	24.406
40.88	24.31	24.41
41.08	24.313	24.415
41.28	24.316	24.42
41.48	24.319	24.425
41.68	24.322	24.43
41.88	24.326	24.436
42.	24.328	24.439
42.02		24.44
42.04		
42.1	24.329	24.442
42.28	24.333	24.446
42.48	24.336	24.45
42.68	24.34	24.454
42.88	24.343	24.458
43.08	24.347	24.462
43.28	24.351	24.466
43.48	24.354	24.47
43.68	24.358	24.473
43.88	24.361	24.477
44.	24.363	24.479

44.02	24.364	
44.04		24.48
44.1	24.365	24.481
44.28	24.368	24.483
44.48	24.371	24.486
44.68	24.375	24.489
44.88	24.378	24.492
45.08	24.381	24.495
45.28	24.384	24.497
45.48	24.387	24.5
45.68	24.39	24.502
45.88	24.393	24.504
46.	24.395	24.505
46.02		24.506
46.04	24.396	
46.1		24.507
46.28	24.399	24.509
46.48	24.402	24.511
46.68	24.405	24.514
46.88	24.407	24.517
47.08	24.41	24.519
47.28	24.413	24.522
47.48	24.415	24.525
47.68	24.418	24.527
47.88	24.421	24.53
48.	24.422	24.532
48.02	24.423	24.533
48.04		
48.1	24.424	24.534
48.28	24.426	24.537
48.48	24.429	24.54
48.68	24.432	24.544
48.88	24.435	24.548
49.08	24.438	24.552
49.28	24.441	24.556
49.48	24.444	24.56
49.68	24.447	24.565
49.88	24.45	24.57
50.	24.452	24.573
50.02	24.453	
50.04		24.574
50.1	24.454	24.575
50.28	24.457	24.579
50.48	24.461	24.583
50.68	24.464	24.587
50.88	24.468	24.591
51.08	24.471	24.596
51.28	24.475	24.6

51.48	24.478	24.604
51.68	24.482	24.608
51.88	24.485	24.612
52.	24.487	24.614
52.02	24.488	24.615
52.04		
52.1	24.489	24.616
52.28	24.492	24.619
52.48	24.496	24.622
52.68	24.499	24.625
52.88	24.503	24.628
53.08	24.506	24.631
53.28	24.509	24.633
53.48	24.512	24.636
53.68	24.515	24.639
53.88	24.518	24.641
54.	24.52	24.643
54.02	24.521	24.644
54.04		
54.1	24.522	24.645
54.28	24.524	24.647
54.48	24.527	24.65
54.68	24.53	24.654
54.88	24.533	24.657
55.08	24.535	24.66
55.28	24.538	24.663
55.48	24.541	24.666
55.68	24.543	24.668
55.88	24.546	24.671
56.	24.547	24.673
56.02	24.548	
56.04		24.674
56.1	24.549	24.675
56.28	24.551	24.678
56.48	24.554	24.681
56.68	24.557	24.685
56.88	24.559	24.688
57.08	24.562	24.692
57.28	24.565	24.696
57.48	24.568	24.7
57.68	24.571	24.704
57.88	24.574	24.708
58.	24.576	24.71
58.02	24.577	
58.04		24.711
58.1	24.578	24.712
58.28	24.581	24.715
58.48	24.584	24.719

58.68	24.588	24.723
58.88	24.591	24.727
59.08	24.594	24.731
59.28	24.598	24.734
59.48	24.601	24.738
59.68	24.604	24.742
59.88	24.608	24.746
60.	24.61	24.748
60.02		24.749
60.04	24.611	
60.1	24.612	24.75
60.28	24.615	24.753
60.48	24.618	24.757
60.68	24.621	24.76
60.88	24.624	24.764
61.08	24.628	24.767
61.28	24.631	24.77
61.48	24.634	24.773
61.68	24.637	24.776
61.88	24.64	24.78
62.	24.642	24.781
62.02		24.782
62.04		
62.1	24.643	24.783
62.28	24.646	24.786
62.48	24.649	24.79
62.68	24.652	24.794
62.88	24.655	24.798
63.08	24.658	24.802
63.28	24.661	24.806
63.48	24.664	24.81
63.68	24.668	24.814
63.88	24.671	24.818
64.	24.673	24.821
64.02		
64.04	24.674	
64.1	24.675	24.823
64.28	24.678	24.827
64.48	24.682	24.832
64.68	24.686	24.837
64.88	24.69	24.843
65.08	24.694	24.848
65.28	24.698	24.854
65.48	24.703	24.859
65.68	24.707	24.866
65.88	24.712	24.873
66.	24.715	24.878
66.02		24.879

66.04	24.716	
66.1	24.717	24.881
66.28	24.722	24.886
66.48	24.727	24.891
66.68	24.732	24.895
66.88	24.737	24.899
67.08	24.741	24.903
67.28	24.746	24.906
67.48	24.75	24.909
67.68	24.754	24.913
67.88	24.758	24.916
68.	24.761	24.919
68.02		
68.04	24.762	
68.1	24.763	24.92
68.28	24.766	24.924
68.48	24.77	24.929
68.68	24.774	24.933
68.88	24.778	24.938
69.08	24.782	24.943
69.28	24.786	24.948
69.48	24.79	24.952
69.68	24.794	24.957
69.88	24.798	24.962
70.	24.801	24.965
70.02		24.966
70.04	24.802	
70.1	24.803	24.968
70.28	24.807	24.972
70.48	24.811	24.976
70.68	24.815	24.981
70.88	24.819	24.985
71.08	24.824	24.989
71.28	24.828	24.993
71.48	24.832	24.998
71.68	24.836	25.002
71.88	24.84	25.006
72.	24.842	25.008
72.02		
72.04	24.843	25.009
72.1	24.844	25.01
72.28	24.847	25.014
72.48	24.851	25.019
72.68	24.855	25.023
72.88	24.859	25.028
73.08	24.863	25.033
73.28	24.867	25.038
73.48	24.871	25.043

73.68	24.876	25.048
73.88	24.88	25.053
74.	24.882	25.056
74.02	24.883	25.057
74.04		25.058
74.1	24.885	25.059
74.28	24.889	25.064
74.48	24.893	25.068
74.68	24.898	25.073
74.88	24.902	25.078
75.08	24.907	25.083
75.28	24.911	25.088
75.48	24.916	25.093
75.68	24.92	25.098
75.88	24.925	25.103
76.	24.927	25.106
76.02	24.928	
76.04		
76.1	24.929	25.108
76.28	24.933	25.112
76.48	24.938	25.116
76.68	24.942	25.12
76.88	24.946	25.124
77.08	24.95	25.128
77.28	24.954	25.132
77.48	24.958	25.136
77.68	24.962	25.139
77.88	24.966	25.143
78.	24.968	25.145
78.02		
78.04		25.146
78.1	24.97	25.147
78.28	24.973	25.151
78.48	24.976	25.155
78.68	24.98	25.159
78.88	24.983	25.163
79.08	24.987	25.167
79.28	24.99	25.171
79.48	24.994	25.176
79.68	24.998	25.18
79.88	25.001	25.184
80.	25.004	25.187
80.02		
80.04		25.188
80.1	25.006	25.189
80.28	25.009	25.193
80.48	25.013	25.197
80.68	25.017	25.201

80.88	25.02	25.205
81.08	25.024	25.209
81.28	25.028	25.212
81.48	25.031	25.216
81.68	25.035	25.22
81.88	25.038	25.224
82.	25.04	25.226
82.02	25.041	
82.04		25.227
82.1	25.042	25.228
82.28	25.045	25.231
82.48	25.048	25.234
82.68	25.052	25.237
82.88	25.055	25.24
83.08	25.058	25.244
83.28	25.061	25.246
83.48	25.064	25.249
83.68	25.067	25.252
83.88	25.069	25.255
84.	25.071	25.257
84.02		
84.04	25.072	
84.1		25.258
84.28	25.075	25.261
84.48	25.077	25.264
84.68	25.08	25.266
84.88	25.083	25.269
85.08	25.085	25.272
85.28	25.088	25.275
85.48	25.09	25.279
85.68	25.093	25.282
85.88	25.095	25.285
86.	25.097	25.286
86.02		25.287
86.04		
86.1	25.098	25.288
86.28	25.101	25.291
86.48	25.103	25.294
86.68	25.106	25.298
86.88	25.109	25.301
87.08	25.111	25.304
87.28	25.114	25.308
87.48	25.117	25.312
87.68	25.12	25.315
87.88	25.123	25.319
88.	25.125	25.321
88.02		25.322
88.04		

88.1	25.126	25.323
88.28	25.129	25.326
88.48	25.132	25.329
88.68	25.135	25.332
88.88	25.138	25.335
89.08	25.141	25.338
89.28	25.144	25.341
89.48	25.146	25.344
89.68	25.149	25.347
89.88	25.152	25.35
90.	25.153	25.351
90.02		
90.04	25.154	25.352
90.1		25.353
90.28	25.157	25.355
90.48	25.159	25.358
90.68	25.162	25.361
90.88	25.164	25.363
91.08	25.167	25.366
91.28	25.169	25.369
91.48	25.171	25.371
91.68	25.174	25.374
91.88	25.176	25.377
92.	25.177	25.378
92.02	25.178	25.379
92.04		
92.1	25.179	25.38
92.28	25.181	25.382
92.48	25.183	25.385
92.68	25.185	25.389
92.88	25.188	25.392
93.08	25.19	25.395
93.28	25.193	25.398
93.48	25.195	25.402
93.68	25.198	25.405
93.88	25.201	25.409
94.	25.203	25.411
94.02		
94.04		25.412
94.1	25.204	25.413
94.28	25.207	25.416
94.48	25.209	25.419
94.68	25.212	25.422
94.88	25.215	25.425
95.08	25.218	25.428
95.28	25.221	25.431
95.48	25.223	25.434
95.68	25.226	25.437

95.88	25.229	25.44
96.	25.23	25.442
96.02	25.231	
96.04		
96.1	25.232	25.443
96.28	25.234	25.446
96.48	25.237	25.449
96.68	25.239	25.452
96.88	25.242	25.455
97.08	25.244	25.458
97.28	25.247	25.461
97.48	25.249	25.464
97.68	25.252	25.467
97.88	25.255	25.47
98.	25.256	25.472
98.02		
98.04	25.257	
98.1		25.473
98.28	25.26	25.476
98.48	25.262	25.479
98.68	25.265	25.482
98.88	25.267	25.485
99.08	25.27	25.488
99.28	25.272	25.49
99.48	25.275	25.493
99.68	25.277	25.496
99.88	25.28	25.499
100.	25.281	25.5
100.02		25.501
100.04	25.282	
100.1		25.502
100.28	25.285	25.504
100.48	25.287	25.507
100.68	25.289	25.51
100.88	25.292	25.513
101.08	25.294	25.515
101.28	25.296	25.518
101.48	25.299	25.521
101.68	25.301	25.524
101.88	25.303	25.526
102.	25.305	25.528
102.02		
102.04		
102.1	25.306	25.529
102.28	25.308	25.532
102.48	25.31	25.534
102.68	25.313	25.537
102.88	25.315	25.54

103.08	25.317	25.543
103.28	25.32	25.545
103.48	25.322	25.548
103.68	25.324	25.551
103.88	25.326	25.553
104.	25.328	25.555
104.02		
104.04		
104.1	25.329	25.556
104.28	25.331	25.559
104.48	25.333	25.562
104.68	25.335	25.564
104.88	25.338	25.567
105.08	25.34	25.57
105.28	25.342	25.573
105.48	25.345	25.575
105.68	25.347	25.578
105.88	25.349	25.581
106.	25.351	25.583
106.02		
106.04		
106.1	25.352	25.584
106.28	25.354	25.587
106.48	25.356	25.59
106.68	25.359	25.593
106.88	25.361	25.596
107.08	25.363	25.599
107.28	25.366	25.602
107.48	25.368	25.605
107.68	25.371	25.608
107.88	25.374	25.612
108.	25.375	25.614
108.02		
108.04	25.376	
108.1		25.615
108.28	25.379	25.618
108.48	25.382	25.622
108.68	25.384	25.625
108.88	25.387	25.629
109.08	25.39	25.633
109.28	25.393	25.637
109.48	25.396	25.64
109.68	25.399	25.644
109.88	25.402	25.648
110.	25.404	25.651
110.02	25.405	
110.04		25.652
110.1	25.406	25.653

110.28	25.409	25.656
110.48	25.412	25.66
110.68	25.416	25.664
110.88	25.419	25.667
111.08	25.422	25.671
111.28	25.425	25.675
111.48	25.429	25.679
111.68	25.432	25.682
111.88	25.435	25.686
112.	25.437	25.688
112.02	25.438	25.689
112.04		
112.1	25.439	25.69
112.28	25.442	25.693
112.48	25.445	25.696
112.68	25.448	25.699
112.88	25.451	25.702
113.08	25.454	25.705
113.28	25.457	25.707
113.48	25.46	25.71
113.68	25.462	25.712
113.88	25.465	25.714
114.	25.466	25.716
114.02		
114.04		
114.1	25.467	25.717
114.28	25.469	25.719
114.48	25.471	25.722
114.68	25.473	25.724
114.88	25.476	25.726
115.08	25.478	25.729
115.28	25.48	25.731
115.48	25.482	25.734
115.68	25.484	25.736
115.88	25.486	25.739
116.	25.487	25.74
116.02		
116.04	25.488	25.741
116.1		25.742
116.28	25.49	25.744
116.48	25.492	25.747
116.68	25.494	25.75
116.88	25.497	25.753
117.08	25.499	25.756
117.28	25.501	25.76
117.48	25.504	25.763
117.68	25.506	25.766
117.88	25.509	25.77

118.	25.511	25.772
118.02		
118.04		25.773
118.1	25.512	25.774
118.28	25.514	25.777
118.48	25.517	25.78
118.68	25.52	25.783
118.88	25.523	25.787
119.08	25.526	25.79
119.28	25.528	25.793
119.48	25.531	25.797
119.68	25.534	25.8
119.88	25.537	25.803
120.	25.539	25.805
120.02		25.806
120.04		
120.1	25.54	25.807
120.28	25.543	25.81
120.48	25.545	25.813
120.68	25.548	25.816
120.88	25.551	25.82
121.08	25.554	25.823
121.28	25.557	25.826
121.48	25.56	25.829
121.68	25.562	25.832
121.88	25.565	25.835
122.	25.567	25.837
122.02		25.838
122.04		
122.1	25.568	25.839
122.28	25.571	25.842
122.48	25.573	25.845
122.68	25.576	25.847
122.88	25.579	25.85
123.08	25.581	25.853
123.28	25.584	25.856
123.48	25.586	25.859
123.68	25.589	25.861
123.88	25.591	25.864
124.	25.592	25.866
124.02	25.593	
124.04		
124.1	25.594	25.867
124.28	25.596	25.869
124.48	25.598	25.872
124.68	25.6	25.875
124.88	25.603	25.878
125.08	25.605	25.881

125.28	25.608	25.884
125.48	25.61	25.886
125.68	25.612	25.889
125.88	25.615	25.892
126.	25.616	25.894
126.02		
126.04	25.617	
126.1		25.895
126.28	25.619	25.899
126.48	25.622	25.902
126.68	25.625	25.906
126.88	25.627	25.91
127.08	25.63	25.914
127.28	25.633	25.919
127.48	25.637	25.923
127.68	25.64	25.928
127.88	25.643	25.933
128.	25.646	25.936
128.02		
128.04		25.937
128.1	25.647	25.938
128.28	25.651	25.942
128.48	25.654	25.945
128.68	25.658	25.949
128.88	25.662	25.952
129.08	25.665	25.955
129.28	25.668	25.959
129.48	25.672	25.962
129.68	25.675	25.964
129.88	25.678	25.967
130.	25.679	25.969
130.02	25.68	
130.04		
130.1	25.681	25.97
130.28	25.683	25.973
130.48	25.686	25.976
130.68	25.689	25.979
130.88	25.691	25.982
131.08	25.694	25.985
131.28	25.696	25.988
131.48	25.699	25.991
131.68	25.702	25.994
131.88	25.704	25.997
132.	25.706	25.999
132.02		
132.04		
132.1	25.707	26.
132.28	25.709	26.002

132.48	25.712	26.005
132.68	25.714	26.007
132.88	25.716	26.009
133.08	25.719	26.012
133.28	25.721	26.014
133.48	25.723	26.016
133.68	25.725	26.017
133.88	25.727	26.019
134.	25.728	26.02
134.02		
134.04		
134.1		26.021
134.28	25.73	26.023
134.48	25.732	26.026
134.68	25.734	26.029
134.88	25.735	26.032
135.08	25.738	26.035
135.28	25.74	26.039
135.48	25.742	26.042
135.68	25.744	26.046
135.88	25.747	26.05
136.	25.749	26.052
136.02		26.053
136.04		
136.1	25.75	26.054
136.28	25.753	26.058
136.48	25.756	26.062
136.68	25.759	26.066
136.88	25.762	26.071
137.08	25.765	26.075
137.28	25.769	26.08
137.48	25.772	26.084
137.68	25.776	26.089
137.88	25.78	26.094
138.	25.782	26.097
138.02		
138.04	25.783	26.098
138.1	25.784	26.099
138.28	25.787	26.103
138.48	25.791	26.107
138.68	25.795	26.11
138.88	25.799	26.113
139.08	25.802	26.117
139.28	25.806	26.12
139.48	25.809	26.123
139.68	25.812	26.125
139.88	25.815	26.128
140.	25.817	26.13

140.02		
140.04		
140.1	25.818	26.131
140.28	25.821	26.134
140.48	25.823	26.138
140.68	25.826	26.142
140.88	25.829	26.147
141.08	25.833	26.151
141.28	25.836	26.156
141.48	25.839	26.161
141.68	25.843	26.166
141.88	25.847	26.171
142.	25.849	26.174
142.02	25.85	
142.04		26.175
142.1	25.851	26.176
142.28	25.855	26.18
142.48	25.859	26.184
142.68	25.863	26.188
142.88	25.866	26.192
143.08	25.87	26.196
143.28	25.874	26.199
143.48	25.877	26.203
143.68	25.881	26.206
143.88	25.884	26.209
144.	25.886	26.211
144.02	25.887	
144.04		26.212
144.1	25.888	26.213
144.28	25.891	26.216
144.48	25.894	26.22
144.68	25.897	26.224
144.88	25.9	26.228
145.08	25.904	26.232
145.28	25.907	26.236
145.48	25.91	26.24
145.68	25.914	26.244
145.88	25.917	26.249
146.	25.919	26.251
146.02	25.92	26.252
146.04		
146.1	25.921	26.253
146.28	25.924	26.257
146.48	25.928	26.261
146.68	25.932	26.265
146.88	25.935	26.269
147.08	25.939	26.273
147.28	25.942	26.276

147.48	25.946	26.28
147.68	25.949	26.284
147.88	25.953	26.288
148.	25.955	26.29
148.02		
148.04		26.291
148.1	25.956	26.292
148.28	25.959	26.295
148.48	25.963	26.299
148.68	25.966	26.303
148.88	25.969	26.307
149.08	25.973	26.311
149.28	25.976	26.315
149.48	25.98	26.319
149.68	25.983	26.323
149.88	25.986	26.327
150.	25.988	26.329
150.01	25.989	
150.02		
150.05		26.33
150.14	25.991	26.332
150.24	25.993	26.334
150.34	25.994	26.336
150.44	25.996	26.338
150.54	25.998	26.34
150.64	26.	26.343
150.74	26.001	26.345
150.84	26.003	26.347
150.94	26.005	26.349
151.	26.006	26.35
151.01		26.351
151.02		
151.05	26.007	26.352
151.14	26.009	26.354
151.24	26.011	26.357
151.34	26.012	26.36
151.44	26.014	26.363
151.54	26.016	26.366
151.64	26.019	26.369
151.74	26.021	26.372
151.84	26.023	26.375
151.94	26.025	26.379
152.	26.027	26.381
152.01		
152.02		
152.05	26.028	26.382
152.14	26.03	26.385
152.24	26.033	26.387

152.34	26.035	26.39
152.44	26.038	26.392
152.54	26.04	26.394
152.64	26.042	26.396
152.74	26.045	26.398
152.84	26.047	26.4
152.94	26.049	26.402
153.	26.051	26.403
153.01		26.404
153.02		
153.05	26.052	
153.14	26.054	26.406
153.24	26.056	26.407
153.34	26.058	26.409
153.44	26.06	26.41
153.54	26.062	26.412
153.64	26.064	26.413
153.74	26.066	26.414
153.84	26.067	26.416
153.94	26.069	26.417
154.	26.07	26.418
154.01		
154.02		
154.05	26.071	
154.14	26.072	26.42
154.24	26.074	26.422
154.34	26.075	26.424
154.44	26.077	26.427
154.54	26.078	26.43
154.64	26.08	26.432
154.74	26.082	26.435
154.84	26.083	26.438
154.94	26.085	26.441
155.	26.087	26.443
155.01		26.444
155.02		
155.05		26.445
155.14	26.089	26.448
155.24	26.091	26.451
155.34	26.094	26.454
155.44	26.096	26.457
155.54	26.098	26.46
155.64	26.101	26.463
155.74	26.103	26.467
155.84	26.105	26.47
155.94	26.108	26.473
156.	26.11	26.475
156.01		26.476

156.02		
156.05	26.111	26.477
156.14	26.113	26.479
156.24	26.116	26.482
156.34	26.119	26.484
156.44	26.121	26.487
156.54	26.124	26.489
156.64	26.126	26.491
156.74	26.129	26.493
156.84	26.131	26.495
156.94	26.134	26.497
157.	26.135	26.498
157.01		
157.02		26.499
157.05	26.136	
157.14	26.138	26.501
157.24	26.14	26.503
157.34	26.143	26.505
157.44	26.145	26.508
157.54	26.147	26.51
157.64	26.149	26.512
157.74	26.151	26.514
157.84	26.153	26.516
157.94	26.155	26.519
158.	26.156	26.52
158.01	26.157	
158.02		
158.05		26.521
158.14	26.159	26.523
158.24	26.161	26.525
158.34	26.163	26.528
158.44	26.165	26.53
158.54	26.167	26.532
158.64	26.169	26.534
158.74	26.171	26.537
158.84	26.173	26.539
158.94	26.176	26.541
159.	26.177	26.543
159.01		
159.02		
159.05	26.178	26.544
159.14	26.18	26.546
159.24	26.182	26.549
159.34	26.184	26.551
159.44	26.186	26.554
159.54	26.188	26.556
159.64	26.19	26.559
159.74	26.192	26.562

159.84	26.194	26.565
159.94	26.197	26.568
160.	26.198	26.569
160.01		26.57
160.02		
160.05	26.199	26.571
160.14	26.201	26.574
160.24	26.203	26.577
160.34	26.206	26.58
160.44	26.208	26.584
160.54	26.211	26.587
160.64	26.213	26.591
160.74	26.216	26.595
160.84	26.219	26.598
160.94	26.221	26.602
161.	26.223	26.604
161.01		26.605
161.02	26.224	
161.05	26.225	26.606
161.14	26.227	26.609
161.24	26.23	26.611
161.34	26.233	26.614
161.44	26.236	26.616
161.54	26.239	26.618
161.64	26.241	26.62
161.74	26.244	26.621
161.84	26.247	26.623
161.94	26.249	26.625
162.	26.25	
162.01	26.251	26.626
162.02		
162.05	26.252	
162.14	26.254	26.628
162.24	26.256	26.63
162.34	26.258	26.632
162.44	26.26	26.634
162.54	26.262	26.636
162.64	26.264	26.639
162.74	26.266	26.641
162.84	26.268	26.643
162.94	26.27	26.645
163.	26.271	26.647
163.01		
163.02	26.272	
163.05		26.648
163.14	26.274	26.65
163.24	26.276	26.652
163.34	26.278	26.654

163.44	26.28	26.657
163.54	26.282	26.659
163.64	26.284	26.662
163.74	26.286	26.664
163.84	26.288	26.667
163.94	26.29	26.669
164.	26.292	26.671
164.01		
164.02		
164.05	26.293	26.672
164.14	26.295	26.675
164.24	26.297	26.678
164.34	26.299	26.681
164.44	26.301	26.685
164.54	26.304	26.689
164.64	26.306	26.693
164.74	26.309	26.696
164.84	26.311	26.7
164.94	26.314	26.705
165.	26.316	26.707
165.01		26.708
165.02		
165.05	26.317	26.709
165.14	26.32	26.713
165.24	26.323	26.716
165.34	26.326	26.72
165.44	26.329	26.723
165.54	26.332	26.727
165.64	26.335	26.73
165.74	26.338	26.734
165.84	26.341	26.737
165.94	26.345	26.741
166.	26.347	26.743
166.01		
166.02		26.744
166.05	26.348	26.745
166.14	26.351	26.747
166.24	26.354	26.75
166.34	26.357	26.752
166.44	26.36	26.754
166.54	26.363	26.757
166.64	26.366	26.759
166.74	26.369	26.761
166.84	26.372	26.762
166.94	26.374	26.764
167.	26.376	26.765
167.01		
167.02		

167.05	26.377	26.766
167.14	26.379	26.768
167.24	26.381	26.77
167.34	26.384	26.772
167.44	26.386	26.775
167.54	26.388	26.777
167.64	26.39	26.779
167.74	26.393	26.782
167.84	26.395	26.784
167.94	26.397	26.787
168.	26.398	26.788
168.01	26.399	
168.02		
168.05		26.789
168.14	26.401	26.791
168.24	26.403	26.793
168.34	26.406	26.794
168.44	26.408	26.796
168.54	26.41	26.798
168.64	26.412	26.799
168.74	26.413	26.801
168.84	26.415	26.802
168.94	26.417	26.803
169.	26.418	26.804
169.01		
169.02		
169.05	26.419	26.805
169.14	26.42	26.807
169.24	26.422	26.811
169.34	26.424	26.814
169.44	26.426	26.818
169.54	26.428	26.822
169.64	26.43	26.826
169.74	26.432	26.831
169.84	26.435	26.836
169.94	26.437	26.841
170.	26.439	26.844
170.01		
170.02		26.845
170.05	26.44	26.846
170.14	26.443	26.85
170.24	26.446	26.855
170.34	26.449	26.859
170.44	26.452	26.863
170.54	26.456	26.867
170.64	26.459	26.871
170.74	26.463	26.875
170.84	26.466	26.879

170.94	26.47	26.883
171.	26.472	26.886
171.01		
171.02	26.473	
171.05	26.474	26.888
171.14	26.477	26.89
171.24	26.481	26.893
171.34	26.484	26.896
171.44	26.487	26.898
171.54	26.491	26.901
171.64	26.494	26.903
171.74	26.497	26.905
171.84	26.5	26.907
171.94	26.503	26.908
172.	26.505	26.909
172.01		26.91
172.02		
172.05	26.506	
172.14	26.509	26.912
172.24	26.511	26.915
172.34	26.514	26.918
172.44	26.516	26.921
172.54	26.519	26.924
172.64	26.521	26.926
172.74	26.524	26.929
172.84	26.526	26.933
172.94	26.529	26.936
173.	26.53	26.938
173.01		
173.02	26.531	
173.05	26.532	26.939
173.14	26.534	26.942
173.24	26.536	26.945
173.34	26.539	26.947
173.44	26.542	26.95
173.54	26.544	26.953
173.64	26.547	26.956
173.74	26.549	26.958
173.84	26.552	26.961
173.94	26.555	26.964
174.	26.556	26.966
174.01		
174.02	26.557	
174.05		26.967
174.14	26.56	26.97
174.24	26.562	26.973
174.34	26.565	26.976
174.44	26.568	26.979

174.54	26.57	26.982
174.64	26.573	26.986
174.74	26.576	26.989
174.84	26.578	26.992
174.94	26.581	26.996
175.	26.583	26.998
175.01		
175.02		26.999
175.05	26.584	27.
175.14	26.587	27.002
175.24	26.589	27.005
175.34	26.592	27.008
175.44	26.595	27.011
175.54	26.598	27.013
175.64	26.601	27.016
175.74	26.603	27.019
175.84	26.606	27.021
175.94	26.609	27.024
176.	26.61	27.025
176.01	26.611	
176.02		27.026
176.05	26.612	27.027
176.14	26.614	27.03
176.24	26.617	27.033
176.34	26.619	27.037
176.44	26.622	27.041
176.54	26.625	27.045
176.64	26.628	27.049
176.74	26.631	27.053
176.84	26.634	27.058
176.94	26.637	27.062
177.	26.639	27.065
177.01		27.066
177.02		
177.05	26.64	27.067
177.14	26.643	27.07
177.24	26.647	27.074
177.34	26.65	27.077
177.44	26.653	27.079
177.54	26.657	27.082
177.64	26.66	27.085
177.74	26.663	27.087
177.84	26.666	27.089
177.94	26.669	27.091
178.	26.671	27.093
178.01		
178.02		
178.05	26.672	27.094

178.14	26.675	27.097
178.24	26.678	27.1
178.34	26.68	27.103
178.44	26.683	27.107
178.54	26.686	27.111
178.64	26.689	27.115
178.74	26.692	27.118
178.84	26.695	27.122
178.94	26.698	27.127
179.	26.7	27.129
179.01		
179.02		27.13
179.05	26.701	27.131
179.14	26.704	27.133
179.24	26.707	27.136
179.34	26.71	27.137
179.44	26.713	27.139
179.54	26.716	27.141
179.64	26.719	27.142
179.74	26.721	27.143
179.84	26.724	
179.94	26.726	27.144
180.	26.727	
180.01	26.728	
180.02		27.145
180.05	26.729	
180.14	26.73	27.146
180.24	26.732	27.148
180.34	26.734	27.15
180.44	26.736	27.152
180.54	26.737	27.154
180.64	26.739	27.157
180.74	26.741	27.159
180.84	26.743	27.162
180.94	26.745	27.164
181.	26.746	27.166
181.01		
181.02		
181.05	26.747	27.167
181.14	26.748	27.169
181.24	26.75	27.172
181.34	26.752	27.175
181.44	26.754	27.177
181.54	26.756	27.18
181.64	26.758	27.183
181.74	26.76	27.186
181.84	26.763	27.189
181.94	26.765	27.192

182.	26.766	27.193
182.01		27.194
182.02	26.767	
182.05		27.195
182.14	26.769	27.197
182.24	26.772	27.2
182.34	26.774	27.203
182.44	26.776	27.205
182.54	26.779	27.208
182.64	26.781	27.211
182.74	26.784	27.213
182.84	26.786	27.216
182.94	26.788	27.218
183.	26.79	27.22
183.01		
183.02		
183.05	26.791	27.221
183.14	26.793	27.224
183.24	26.795	27.227
183.34	26.798	27.231
183.44	26.8	27.234
183.54	26.803	27.238
183.64	26.805	27.241
183.74	26.808	27.245
183.84	26.811	27.249
183.94	26.814	27.253
184.	26.815	27.255
184.01	26.816	27.256
184.02		
184.05	26.817	27.257
184.14	26.819	27.26
184.24	26.822	27.262
184.34	26.825	27.265
184.44	26.828	27.267
184.54	26.831	27.269
184.64	26.834	27.271
184.74	26.837	27.273
184.84	26.839	27.275
184.94	26.842	27.277
185.	26.843	27.278
185.01		
185.02	26.844	
185.05		27.279
185.14	26.846	27.281
185.24	26.849	27.283
185.34	26.851	27.286
185.44	26.853	27.288
185.54	26.855	27.291

185.64	26.858	27.294
185.74	26.86	27.296
185.84	26.862	27.299
185.94	26.865	27.302
186.	26.866	27.304
186.01		
186.02		
186.05	26.867	27.305
186.14	26.869	27.307
186.24	26.871	27.309
186.34	26.874	27.31
186.44	26.876	27.312
186.54	26.878	27.313
186.64	26.88	27.315
186.74	26.882	27.316
186.84	26.884	27.317
186.94	26.886	
187.	26.887	27.318
187.01		
187.02		
187.05	26.888	
187.14	26.889	27.32
187.24	26.891	27.321
187.34	26.892	27.323
187.44	26.894	27.324
187.54	26.895	27.326
187.64	26.896	27.328
187.74	26.898	27.329
187.84	26.899	27.331
187.94	26.901	27.333
188.		27.334
188.01	26.902	
188.02		
188.05		27.335
188.14	26.903	27.336
188.24	26.905	27.338
188.34	26.906	27.339
188.44	26.908	27.341
188.54	26.909	27.342
188.64	26.91	27.344
188.74	26.912	27.346
188.84	26.913	27.347
188.94	26.915	27.349
189.		27.35
189.01		
189.02	26.916	
189.05		27.351
189.14	26.917	27.352

189.24	26.919	27.355
189.34	26.92	27.357
189.44	26.922	27.36
189.54	26.923	27.362
189.64	26.925	27.365
189.74	26.926	27.368
189.84	26.928	27.371
189.94	26.93	27.374
190.	26.931	27.376
190.01		27.377
190.02	26.932	
190.05		27.378
190.14	26.934	27.38
190.24	26.936	27.383
190.34	26.938	27.386
190.44	26.94	27.389
190.54	26.943	27.391
190.64	26.945	27.394
190.74	26.947	27.397
190.84	26.949	27.4
190.94	26.952	27.402
191.	26.953	27.404
191.01		
191.02	26.954	27.405
191.05		
191.14	26.956	27.407
191.24	26.959	27.409
191.34	26.961	27.411
191.44	26.963	27.413
191.54	26.965	27.414
191.64	26.968	27.416
191.74	26.97	27.417
191.84	26.972	27.419
191.94	26.974	27.42
192.	26.975	27.421
192.01		
192.02		
192.05	26.976	
192.14	26.977	27.423
192.24	26.979	27.424
192.34	26.98	27.426
192.44	26.982	27.427
192.54	26.984	27.429
192.64	26.985	27.431
192.74	26.987	27.432
192.84	26.988	27.434
192.94	26.99	27.436
193.	26.991	27.437

193.01		
193.02		
193.05		
193.14	26.993	27.439
193.24	26.994	27.441
193.34	26.996	27.442
193.44	26.997	27.444
193.54	26.999	27.446
193.64	27.	27.448
193.74	27.001	27.449
193.84	27.003	27.451
193.94	27.004	27.453
194.	27.005	27.454
194.01		
194.02	27.006	
194.05		27.455
194.14	27.007	27.457
194.24	27.009	27.46
194.34	27.01	27.463
194.44	27.012	27.466
194.54	27.014	27.469
194.64	27.016	27.473
194.74	27.018	27.477
194.84	27.02	27.48
194.94	27.022	27.484
195.	27.023	27.487
195.01	27.024	
195.02		27.488
195.05	27.025	27.489
195.14	27.027	27.491
195.24	27.029	27.493
195.34	27.032	27.495
195.44	27.034	27.497
195.54	27.037	27.499
195.64	27.039	27.5
195.74	27.041	27.501
195.84	27.043	27.502
195.94	27.046	27.503
196.	27.047	27.504
196.01		
196.02		
196.05	27.048	
196.14	27.049	27.506
196.24	27.051	27.507
196.34	27.053	27.509
196.44	27.054	27.51
196.54	27.056	27.512
196.64	27.058	27.513

196.74	27.059	27.515
196.84	27.061	27.517
196.94	27.062	27.518
197.	27.063	27.519
197.01		
197.02		27.52
197.05	27.064	
197.14	27.065	27.522
197.24	27.066	27.524
197.34	27.068	27.526
197.44	27.069	27.528
197.54	27.071	27.531
197.64	27.073	27.533
197.74	27.074	27.536
197.84	27.076	27.538
197.94	27.078	27.541
198.	27.079	27.542
198.01		27.543
198.02		
198.05	27.08	27.544
198.14	27.081	27.546
198.24	27.083	27.548
198.34	27.085	27.55
198.44	27.087	27.552
198.54	27.089	27.554
198.64	27.091	27.555
198.74	27.093	27.557
198.84	27.094	27.559
198.94	27.096	27.561
199.	27.097	27.562
199.01		
199.02	27.098	
199.05		27.563
199.14	27.1	27.565
199.24	27.101	27.567
199.34	27.103	27.569
199.44	27.105	27.572
199.54	27.107	27.574
199.64	27.109	27.577
199.74	27.11	27.579
199.84	27.112	27.582
199.94	27.114	27.585
200.	27.115	27.586
200.01		27.587
200.02	27.116	
200.05		27.588
200.14	27.118	27.59
200.24	27.12	27.593

200.34	27.122	27.596
200.44	27.124	27.599
200.54	27.126	27.602
200.64	27.128	27.604
200.74	27.13	27.607
200.84	27.132	27.61
200.94	27.135	27.613
201.	27.136	27.615
201.01		
201.02		27.616
201.05	27.137	27.617
201.14	27.139	27.619
201.24	27.141	27.621
201.34	27.143	27.623
201.44	27.145	27.625
201.54	27.147	27.627
201.64	27.149	27.629
201.74	27.151	27.631
201.84	27.152	27.633
201.94	27.154	27.635
202.	27.155	27.636
202.01		
202.02		
202.05	27.156	27.637
202.14	27.157	27.639
202.24	27.158	27.643
202.34	27.16	27.646
202.44	27.161	27.65
202.54	27.163	27.654
202.64	27.164	27.658
202.74	27.166	27.663
202.84	27.167	27.667
202.94	27.169	27.672
203.	27.17	27.675
203.01		
203.02	27.171	27.676
203.05		27.677
203.14	27.173	27.681
203.24	27.175	27.684
203.34	27.177	27.688
203.44	27.179	27.692
203.54	27.181	27.696
203.64	27.183	27.7
203.74	27.184	27.703
203.84	27.186	27.707
203.94	27.188	27.711
204.	27.189	27.713
204.01		

204.02		27.714
204.05	27.19	27.715
204.14	27.191	27.719
204.24	27.193	27.723
204.34	27.194	27.727
204.44	27.196	27.732
204.54	27.197	27.736
204.64	27.199	27.741
204.74	27.2	27.746
204.84	27.202	27.751
204.94	27.203	27.755
205.	27.204	27.758
205.01		27.759
205.02		
205.05	27.205	27.761
205.14	27.206	27.766
205.24	27.207	27.772
205.34	27.209	27.779
205.44	27.21	27.785
205.54	27.212	27.792
205.64	27.213	27.799
205.74	27.215	27.806
205.84	27.217	27.814
205.94	27.219	27.822
206.	27.22	27.826
206.01		27.827
206.02		27.828
206.05	27.221	27.83
206.14	27.223	27.837
206.24	27.225	27.845
206.34	27.227	27.852
206.44	27.229	27.86
206.54	27.231	27.868
206.64	27.234	27.876
206.74	27.236	27.884
206.84	27.238	27.892
206.94	27.24	27.901
207.	27.242	27.906
207.01		27.907
207.02		27.908
207.05	27.243	27.91
207.14	27.245	27.918
207.24	27.247	27.927
207.34	27.249	27.936
207.44	27.252	27.945
207.54	27.254	27.954
207.64	27.256	27.963
207.74	27.259	27.973

207.84	27.261	27.982
207.94	27.263	27.992
208.	27.264	27.998
208.01	27.265	27.999
208.02		28.
208.05	27.266	28.003
208.14	27.268	28.012
208.24	27.27	28.022
208.34	27.272	28.033
208.44	27.274	28.043
208.54	27.277	28.054
208.64	27.279	28.065
208.74	27.281	28.076
208.84	27.284	28.087
208.94	27.286	28.098
209.	27.287	28.105
209.01		28.106
209.02	27.288	28.108
209.05		28.111
209.14	27.29	28.122
209.24	27.293	28.135
209.34	27.295	28.147
209.44	27.297	28.16
209.54	27.3	28.174
209.64	27.302	28.187
209.74	27.305	28.201
209.84	27.307	28.215
209.94	27.31	28.229
210.	27.312	28.238
210.01		28.239
210.02		28.241
210.05	27.313	28.245
210.14	27.316	28.26
210.24	27.319	28.276
210.34	27.322	28.293
210.44	27.325	28.311
210.54	27.328	28.329
210.64	27.332	28.348
210.74	27.336	28.367
210.84	27.34	28.387
210.94	27.345	28.407
211.	27.348	28.419
211.01		28.421
211.02	27.349	28.423
211.05	27.35	28.429
211.14	27.354	28.445
211.24	27.359	28.462
211.34	27.365	28.48

211.44	27.369	28.496
211.54	27.374	28.513
211.64	27.379	28.53
211.74	27.384	28.546
211.84	27.388	28.562
211.94	27.392	28.578
212.	27.395	28.588
212.01		28.59
212.02		28.591
212.05	27.396	28.596
212.14	27.4	28.612
212.24	27.403	28.629
212.34	27.407	28.646
212.44	27.41	28.664
212.54	27.413	28.682
212.64	27.416	28.699
212.74	27.418	28.717
212.84	27.421	28.735
212.94	27.424	28.754
213.	27.425	28.765
213.01		28.766
213.02	27.426	28.768
213.05		28.775
213.14	27.428	28.795
213.24	27.431	28.819
213.34	27.434	28.844
213.44	27.436	28.87
213.54	27.44	28.898
213.64	27.444	28.926
213.74	27.448	28.955
213.84	27.453	28.985
213.94	27.458	29.016
214.	27.461	29.035
214.01	27.462	29.038
214.02		29.04
214.05	27.464	29.049
214.14	27.47	29.074
214.24	27.476	29.1
214.34	27.483	29.126
214.44	27.49	29.152
214.54	27.496	29.177
214.64	27.503	29.203
214.74	27.509	29.228
214.84	27.516	29.253
214.94	27.522	29.278
215.	27.525	29.292
215.01	27.526	29.295
215.02		29.297

215.05	27.528	29.305
215.14	27.533	29.328
215.24	27.538	29.355
215.34	27.543	29.381
215.44	27.548	29.408
215.54	27.553	29.435
215.64	27.558	29.462
215.74	27.562	29.49
215.84	27.567	29.517
215.94	27.571	29.545
216.	27.574	29.561
216.01		29.564
216.02	27.575	29.567
216.05	27.576	29.576
216.14	27.58	29.603
216.24	27.584	29.633
216.34	27.588	29.664
216.44	27.592	29.696
216.54	27.597	29.728
216.64	27.601	29.761
216.74	27.606	29.794
216.84	27.611	29.828
216.94	27.616	29.862
217.	27.619	29.882
217.01		29.886
217.02	27.62	29.889
217.05	27.621	29.899
217.14	27.626	29.929
217.24	27.631	29.962
217.34	27.636	29.995
217.44	27.642	30.028
217.54	27.647	30.061
217.64	27.652	30.094
217.74	27.657	30.127
217.84	27.662	30.16
217.94	27.667	30.194
218.	27.67	30.214
218.01		30.217
218.02	27.671	30.22
218.05	27.672	30.231
218.14	27.676	30.261
218.24	27.68	30.296
218.34	27.685	30.331
218.44	27.689	30.366
218.54	27.693	30.402
218.64	27.697	30.438
218.74	27.701	30.474
218.84	27.705	30.51

218.94	27.709	30.547
219.	27.711	30.569
219.01		30.572
219.02	27.712	30.576
219.05	27.713	30.587
219.14	27.716	30.622
219.24	27.72	30.661
219.34	27.724	30.701
219.44	27.728	30.741
219.54	27.732	30.782
219.64	27.736	30.824
219.74	27.74	30.866
219.84	27.745	30.908
219.94	27.749	30.951
220.	27.752	30.977
220.01	27.753	30.981
220.02		30.986
220.05	27.754	30.998
220.14	27.759	31.036
220.24	27.764	31.078
220.34	27.769	31.12
220.44	27.773	31.162
220.54	27.778	31.205
220.64	27.783	31.247
220.74	27.788	31.289
220.84	27.792	31.332
220.94	27.796	31.375
221.	27.799	31.401
221.01		31.405
221.02	27.8	31.409
221.05	27.801	31.423
221.14	27.805	31.463
221.24	27.809	31.509
221.34	27.813	31.556
221.44	27.817	31.603
221.54	27.821	31.651
221.64	27.826	31.699
221.74	27.83	31.749
221.84	27.835	31.798
221.94	27.84	31.848
222.	27.843	31.878
222.01		31.883
222.02		31.888
222.05	27.845	31.904
222.14	27.849	31.95
222.24	27.855	32.002
222.34	27.86	32.055
222.44	27.866	32.108

222.54	27.871	32.162
222.64	27.877	32.217
222.74	27.884	32.272
222.84	27.89	32.328
222.94	27.897	32.384
223.	27.901	32.418
223.01		32.424
223.02	27.902	32.429
223.05	27.904	32.446
223.14	27.91	32.498
223.24	27.918	32.555
223.34	27.925	32.613
223.44	27.933	32.671
223.54	27.94	32.73
223.64	27.948	32.789
223.74	27.956	32.849
223.84	27.964	32.909
223.94	27.972	32.97
224.	27.977	33.006
224.01	27.978	33.012
224.02	27.979	33.019
224.05	27.981	33.037
224.14	27.989	33.094
224.24	27.998	33.159
224.34	28.007	33.225
224.44	28.016	33.291
224.54	28.025	33.359
224.64	28.035	33.427
224.74	28.046	33.497
224.84	28.056	33.567
224.94	28.068	33.638
225.	28.074	33.68
225.01	28.075	33.687
225.02	28.077	33.695
225.05	28.08	33.716
225.14	28.091	33.778
225.24	28.103	33.847
225.34	28.115	33.916
225.44	28.128	33.986
225.54	28.14	34.055
225.64	28.152	34.124
225.74	28.165	34.194
225.84	28.177	34.264
225.94	28.189	34.334
226.	28.196	34.377
226.01	28.198	34.384
226.02	28.199	34.391
226.05	28.202	34.413

226.14	28.213	34.478
226.24	28.225	34.552
226.34	28.237	34.627
226.44	28.25	34.703
226.54	28.262	34.779
226.64	28.275	34.856
226.74	28.287	34.934
226.84	28.3	35.013
226.94	28.313	35.092
227.	28.321	35.14
227.01	28.323	35.148
227.02	28.324	35.156
227.05	28.328	35.18
227.14	28.34	35.253
227.24	28.354	35.335
227.34	28.368	35.419
227.44	28.383	35.503
227.54	28.397	35.587
227.64	28.413	35.673
227.74	28.428	35.76
227.84	28.444	35.847
227.94	28.46	35.935
228.	28.47	35.988
228.01	28.472	35.997
228.02	28.473	36.006
228.05	28.478	36.032
228.14	28.493	36.11
228.24	28.51	36.196
228.34	28.527	36.283
228.44	28.545	36.369
228.54	28.562	36.456
228.64	28.579	36.542
228.74	28.596	36.629
228.84	28.613	36.717
228.94	28.629	36.804
229.	28.639	36.857
229.01	28.641	36.865
229.02	28.643	36.874
229.05	28.648	36.901
229.14	28.663	36.984
229.24	28.679	37.078
229.34	28.696	37.173
229.44	28.713	37.27
229.54	28.73	37.367
229.64	28.748	37.466
229.74	28.766	37.566
229.84	28.785	37.666
229.94	28.804	37.768

230.	28.816	37.83
230.01	28.818	37.84
230.02	28.82	37.85
230.05	28.826	37.88
230.14	28.844	37.97
230.24	28.864	38.069
230.34	28.884	38.168
230.44	28.905	38.267
230.54	28.925	38.367
230.64	28.946	38.466
230.74	28.966	38.566
230.84	28.987	38.666
230.94	29.007	38.766
231.	29.019	38.826
231.01	29.021	38.837
231.02	29.023	38.847
231.05	29.029	38.877
231.14	29.047	38.968
231.24	29.067	39.07
231.34	29.086	39.172
231.44	29.106	39.274
231.54	29.125	39.377
231.64	29.144	39.481
231.74	29.164	39.584
231.84	29.183	39.689
231.94	29.202	39.793
232.	29.213	39.856
232.01	29.215	39.866
232.02	29.217	39.877
232.05	29.222	39.908
232.14	29.239	40.002
232.24	29.258	40.107
232.34	29.276	40.212
232.44	29.294	40.317
232.54	29.312	40.422
232.64	29.33	40.527
232.74	29.348	40.633
232.84	29.365	40.739
232.94	29.382	40.845
233.	29.392	40.909
233.01	29.394	40.919
233.02	29.395	40.93
233.05	29.401	40.962
233.14	29.415	41.057
233.24	29.432	41.164
233.34	29.448	41.271
233.44	29.464	41.377
233.54	29.479	41.484

233.64	29.494	41.592
233.74	29.509	41.699
233.84	29.523	41.807
233.94	29.538	41.914
234.	29.546	41.979
234.01	29.547	41.99
234.02	29.549	42.001
234.05	29.553	42.033
234.14	29.565	42.131
234.24	29.579	42.241
234.34	29.592	42.35
234.44	29.604	42.46
234.54	29.617	42.571
234.64	29.629	42.682
234.74	29.641	42.793
234.84	29.653	42.904
234.94	29.665	43.016
235.	29.672	43.083
235.01	29.673	43.094
235.02	29.674	43.106
235.05	29.678	43.14
235.14	29.688	43.244
235.24	29.699	43.361
235.34	29.71	43.479
235.44	29.721	43.598
235.54	29.733	43.718
235.64	29.744	43.839
235.74	29.756	43.961
235.84	29.768	44.083
235.94	29.781	44.207
236.	29.788	44.282
236.01	29.79	44.294
236.02	29.791	44.307
236.05	29.795	44.344
236.14	29.806	44.456
236.24	29.819	44.582
236.34	29.833	44.709
236.44	29.847	44.836
236.54	29.861	44.965
236.64	29.875	45.093
236.74	29.889	45.223
236.84	29.904	45.354
236.94	29.919	45.485
237.	29.928	45.564
237.01	29.93	45.577
237.02	29.931	45.59
237.05	29.936	45.63
237.14	29.95	45.748

237.24	29.965	45.879
237.34	29.981	46.011
237.44	29.997	46.143
237.54	30.013	46.275
237.64	30.029	46.408
237.74	30.044	46.542
237.84	30.06	46.676
237.94	30.076	46.81
238.	30.085	46.891
238.01	30.087	46.904
238.02	30.089	46.918
238.05	30.093	46.958
238.14	30.107	47.081
238.24	30.123	47.219
238.34	30.139	47.357
238.44	30.155	47.496
238.54	30.17	47.636
238.64	30.186	47.776
238.74	30.202	47.917
238.84	30.219	48.059
238.94	30.235	48.202
239.	30.245	48.287
239.01	30.246	48.302
239.02	30.248	48.316
239.05	30.253	48.359
239.14	30.268	48.49
239.24	30.284	48.636
239.34	30.301	48.783
239.44	30.318	48.93
239.54	30.335	49.079
239.64	30.353	49.229
239.74	30.371	49.379
239.84	30.389	49.53
239.94	30.407	49.683
240.	30.418	49.774
240.01	30.42	49.789
240.02	30.421	49.805
240.05	30.427	49.85
240.14	30.444	49.988
240.24	30.463	50.14
240.34	30.482	50.294
240.44	30.501	50.448
240.54	30.52	50.602
240.64	30.539	50.757
240.74	30.559	50.913
240.84	30.578	51.069
240.94	30.598	51.226
241.	30.609	51.32

241.01	30.611	51.336
241.02	30.613	51.351
241.05	30.619	51.398
241.14	30.637	51.536
241.24	30.656	51.689
241.34	30.675	51.842
241.44	30.695	51.994
241.54	30.714	52.146
241.64	30.733	52.298
241.74	30.752	52.449
241.84	30.77	52.601
241.94	30.789	52.752
242.	30.8	52.843
242.01	30.802	52.858
242.02	30.804	52.874
242.05	30.809	52.92
242.14	30.826	53.061
242.24	30.844	53.219
242.34	30.863	53.379
242.44	30.882	53.54
242.54	30.902	53.702
242.64	30.923	53.865
242.74	30.944	54.029
242.84	30.966	54.194
242.94	30.989	54.36
243.	31.003	54.459
243.01	31.005	54.476
243.02	31.008	54.492
243.05	31.015	54.54
243.14	31.037	54.681
243.24	31.061	54.836
243.34	31.086	54.988
243.44	31.111	55.139
243.54	31.135	55.288
243.64	31.158	55.436
243.74	31.181	55.583
243.84	31.203	55.728
243.94	31.225	55.873
244.	31.237	55.959
244.01	31.239	55.974
244.02	31.242	55.989
244.05	31.248	56.033
244.14	31.266	56.167
244.24	31.285	56.317
244.34	31.304	56.467
244.44	31.323	56.619
244.54	31.341	56.77
244.64	31.36	56.922

244.74	31.378	57.074
244.84	31.397	57.227
244.94	31.416	57.379
245.	31.427	57.471
245.01	31.429	57.486
245.02	31.431	57.502
245.05	31.436	57.548
245.14	31.453	57.687
245.24	31.472	57.843
245.34	31.492	58.
245.44	31.512	58.157
245.54	31.532	58.315
245.64	31.552	58.473
245.74	31.574	58.632
245.84	31.595	58.792
245.94	31.617	58.952
246.	31.63	59.048
246.01	31.633	59.064
246.02	31.635	59.08
246.05	31.642	59.127
246.14	31.662	59.266
246.24	31.685	59.419
246.34	31.708	59.571
246.44	31.731	59.723
246.54	31.754	59.873
246.64	31.777	60.023
246.74	31.799	60.172
246.84	31.821	60.32
246.94	31.842	60.468
247.	31.855	60.556
247.01	31.857	60.571
247.02	31.859	60.586
247.05	31.866	60.632
247.14	31.884	60.77
247.24	31.905	60.925
247.34	31.926	61.081
247.44	31.947	61.239
247.54	31.968	61.397
247.64	31.99	61.556
247.74	32.012	61.716
247.84	32.035	61.877
247.94	32.058	62.038
248.	32.072	62.135
248.01	32.075	62.151
248.02	32.077	62.167
248.05	32.084	62.214
248.14	32.106	62.352
248.24	32.13	62.504

248.34	32.155	62.653
248.44	32.179	62.802
248.54	32.203	62.949
248.64	32.226	63.095
248.74	32.248	63.239
248.84	32.27	63.383
248.94	32.291	63.526
249.	32.304	63.612
249.01	32.306	63.626
249.02	32.308	63.64
249.05	32.314	63.684
249.14	32.332	63.815
249.24	32.351	63.961
249.34	32.369	64.108
249.44	32.388	64.255
249.54	32.406	64.402
249.64	32.423	64.549
249.74	32.441	64.696
249.84	32.459	64.843
249.94	32.476	64.99
250.	32.486	65.078
250.01	32.488	65.093
250.02	32.49	65.108
250.05	32.495	65.152
250.14	32.51	65.284
250.24	32.528	65.431
250.34	32.545	65.578
250.44	32.562	65.725
250.54	32.579	65.872
250.64	32.595	66.019
250.74	32.612	66.166
250.84	32.629	66.313
250.94	32.646	66.46
251.	32.656	66.548
251.01	32.658	66.563
251.02	32.659	66.577
251.05	32.664	66.621
251.14	32.68	66.754
251.24	32.696	66.903
251.34	32.713	67.051
251.44	32.73	67.199
251.54	32.747	67.348
251.64	32.764	67.497
251.74	32.782	67.646
251.84	32.799	67.795
251.94	32.816	67.945
252.	32.827	68.034
252.01	32.829	68.049

252.02	32.831	68.064
252.05	32.836	68.108
252.14	32.852	68.239
252.24	32.87	68.384
252.34	32.887	68.528
252.44	32.905	68.671
252.54	32.922	68.814
252.64	32.938	68.955
252.74	32.955	69.097
252.84	32.971	69.237
252.94	32.986	69.378
253.	32.996	69.461
253.01	32.997	69.476
253.02	32.999	69.49
253.05	33.003	69.532
253.14	33.017	69.662
253.24	33.031	69.806
253.34	33.046	69.951
253.44	33.06	70.097
253.54	33.075	70.243
253.64	33.089	70.389
253.74	33.104	70.536
253.84	33.12	70.683
253.94	33.135	70.83
254.	33.144	70.919
254.01	33.146	70.933
254.02	33.147	70.948
254.05	33.152	70.992
254.14	33.166	71.124
254.24	33.182	71.27
254.34	33.198	71.415
254.44	33.215	71.561
254.54	33.231	71.706
254.64	33.247	71.852
254.74	33.264	71.997
254.84	33.28	72.142
254.94	33.296	72.287
255.	33.306	72.374
255.01	33.308	72.389
255.02	33.31	72.403
255.05	33.314	72.447
255.14	33.329	72.578
255.24	33.346	72.724
255.34	33.362	72.87
255.44	33.379	73.016
255.54	33.395	73.162
255.64	33.412	73.308
255.74	33.428	73.454

255.84	33.445	73.601
255.94	33.462	73.747
256.	33.472	73.835
256.01	33.474	73.85
256.02	33.476	73.864
256.05	33.481	73.909
256.14	33.496	74.044
256.24	33.513	74.194
256.34	33.531	74.346
256.44	33.549	74.498
256.54	33.568	74.652
256.64	33.587	74.805
256.74	33.606	74.96
256.84	33.627	75.115
256.94	33.647	75.271
257.	33.66	75.364
257.01	33.662	75.38
257.02	33.664	75.395
257.05	33.671	75.441
257.14	33.69	75.578
257.24	33.712	75.729
257.34	33.735	75.879
257.44	33.757	76.029
257.54	33.78	76.178
257.64	33.802	76.326
257.74	33.824	76.475
257.84	33.846	76.623
257.94	33.868	76.77
258.	33.882	76.859
258.01	33.884	76.874
258.02	33.886	76.888
258.05	33.893	76.933
258.14	33.912	77.066
258.24	33.934	77.213
258.34	33.955	77.361
258.44	33.976	77.508
258.54	33.997	77.656
258.64	34.018	77.803
258.74	34.039	77.95
258.84	34.06	78.097
258.94	34.081	78.244
259.	34.093	78.332
259.01	34.095	78.347
259.02	34.097	78.362
259.05	34.103	78.406
259.14	34.122	78.541
259.24	34.143	78.691
259.34	34.163	78.842

259.44	34.184	78.993
259.54	34.205	79.145
259.64	34.227	79.297
259.74	34.248	79.45
259.84	34.27	79.603
259.94	34.293	79.756
260.	34.306	79.848
260.01	34.308	79.863
260.02	34.311	79.879
260.05	34.317	79.923
260.14	34.338	80.056
260.24	34.361	80.202
260.34	34.383	80.347
260.44	34.406	80.491
260.54	34.428	80.633
260.64	34.449	80.775
260.74	34.47	80.916
260.84	34.491	81.056
260.94	34.511	81.195
261.	34.522	81.278
261.01	34.524	81.292
261.02	34.526	81.306
261.05	34.532	81.349
261.14	34.549	81.478
261.24	34.567	81.622
261.34	34.586	81.767
261.44	34.604	81.912
261.54	34.622	82.058
261.64	34.64	82.205
261.74	34.658	82.351
261.84	34.676	82.498
261.94	34.695	82.645
262.	34.706	82.733
262.01	34.708	82.748
262.02	34.71	82.763
262.05	34.715	82.807
262.14	34.732	82.939
262.24	34.751	83.085
262.34	34.771	83.231
262.44	34.79	83.377
262.54	34.809	83.522
262.64	34.829	83.668
262.74	34.848	83.814
262.84	34.868	83.96
262.94	34.887	84.105
263.	34.899	84.193
263.01	34.901	84.207
263.02	34.903	84.222

263.05	34.909	84.265
263.14	34.926	84.395
263.24	34.946	84.54
263.34	34.966	84.684
263.44	34.985	84.827
263.54	35.004	84.971
263.64	35.024	85.114
263.74	35.043	85.257
263.84	35.062	85.4
263.94	35.08	85.543
264.	35.092	85.629
264.01	35.094	85.643
264.02	35.095	85.657
264.05	35.101	85.7
264.14	35.118	85.83
264.24	35.136	85.976
264.34	35.155	86.121
264.44	35.174	86.267
264.54	35.192	86.413
264.64	35.211	86.56
264.74	35.23	86.706
264.84	35.249	86.853
264.94	35.269	87.
265.	35.28	87.089
265.01	35.282	87.103
265.02	35.284	87.118
265.05	35.29	87.161
265.14	35.308	87.29
265.24	35.327	87.431
265.34	35.347	87.571
265.44	35.366	87.71
265.54	35.385	87.849
265.64	35.403	87.986
265.74	35.421	88.123
265.84	35.438	88.26
265.94	35.455	88.395
266.	35.464	88.476
266.01	35.466	88.49
266.02	35.468	88.504
266.05	35.473	88.545
266.14	35.487	88.672
266.24	35.502	88.815
266.34	35.517	88.959
266.44	35.533	89.103
266.54	35.549	89.249
266.64	35.565	89.395
266.74	35.581	89.542
266.84	35.598	89.689

266.94	35.615	89.837
267.	35.625	89.926
267.01	35.627	89.94
267.02	35.629	89.955
267.05	35.634	89.999
267.14	35.65	90.13
267.24	35.669	90.275
267.34	35.687	90.419
267.44	35.706	90.563
267.54	35.725	90.707
267.64	35.743	90.851
267.74	35.762	90.994
267.84	35.781	91.138
267.94	35.8	91.281
268.	35.811	91.367
268.01	35.813	91.381
268.02	35.815	91.396
268.05	35.821	91.439
268.14	35.837	91.569
268.24	35.856	91.714
268.34	35.875	91.86
268.44	35.894	92.005
268.54	35.913	92.151
268.64	35.932	92.297
268.74	35.952	92.444
268.84	35.971	92.59
268.94	35.991	92.737
269.	36.003	92.825
269.01	36.005	92.84
269.02	36.007	92.855
269.05	36.013	92.899
269.14	36.031	93.031
269.24	36.051	93.179
269.34	36.072	93.327
269.44	36.093	93.474
269.54	36.114	93.622
269.64	36.135	93.771
269.74	36.156	93.919
269.84	36.178	94.068
269.94	36.2	94.217
270.	36.213	94.306
270.01	36.215	94.321
270.02	36.217	94.336
270.05	36.224	94.38
270.14	36.244	94.514
270.24	36.266	94.663
270.34	36.289	94.812
270.44	36.312	94.961

270.54	36.335	95.111
270.64	36.358	95.26
270.74	36.381	95.409
270.84	36.405	95.559
270.94	36.428	95.709
271.	36.442	95.799
271.01	36.445	95.814
271.02	36.447	95.828
271.05	36.454	95.873
271.14	36.476	96.007
271.24	36.5	96.155
271.34	36.524	96.303
271.44	36.549	96.451
271.54	36.573	96.598
271.64	36.597	96.745
271.74	36.621	96.893
271.84	36.645	97.04
271.94	36.669	97.187
272.	36.683	97.275
272.01	36.686	97.29
272.02	36.688	97.304
272.05	36.695	97.348
272.14	36.717	97.48
272.24	36.741	97.626
272.34	36.764	97.772
272.44	36.788	97.918
272.54	36.811	98.063
272.64	36.835	98.209
272.74	36.858	98.354
272.84	36.881	98.499
272.94	36.905	98.644
273.	36.918	98.731
273.01	36.921	98.745
273.02	36.923	98.76
273.05	36.93	98.803
273.14	36.951	98.93
273.24	36.973	99.071
273.34	36.995	99.21
273.44	37.017	99.349
273.54	37.039	99.487
273.64	37.059	99.624
273.74	37.08	99.76
273.84	37.099	99.896
273.94	37.118	100.03
274.	37.13	100.11
274.01	37.131	100.13
274.02	37.133	100.14
274.05	37.139	100.18

274.14	37.155	100.3
274.24	37.172	100.44
274.34	37.189	100.58
274.44	37.206	100.72
274.54	37.222	100.85
274.64	37.238	100.99
274.74	37.254	101.13
274.84	37.27	101.26
274.94	37.286	101.4
275.	37.295	101.48
275.01	37.297	101.5
275.02	37.298	101.51
275.05	37.303	101.55
275.14	37.317	101.68
275.24	37.332	101.81
275.34	37.347	101.95
275.44	37.362	102.09
275.54	37.377	102.22
275.64	37.391	102.36
275.74	37.406	102.49
275.84	37.42	102.63
275.94	37.435	102.77
276.	37.443	102.85
276.01	37.444	102.86
276.02	37.446	102.87
276.05	37.45	102.91
276.14	37.463	103.04
276.24	37.476	103.17
276.34	37.49	103.31
276.44	37.504	103.44
276.54	37.517	103.58
276.64	37.531	103.71
276.74	37.544	103.85
276.84	37.557	103.99
276.94	37.571	104.12
277.	37.578	104.2
277.01	37.58	104.22
277.02	37.581	104.23
277.05	37.585	104.27
277.14	37.597	104.39
277.24	37.61	104.53
277.34	37.623	104.66
277.44	37.636	104.8
277.54	37.648	104.93
277.64	37.661	105.07
277.74	37.674	105.2
277.84	37.687	105.33
277.94	37.699	105.47

278.	37.707	105.55
278.01	37.708	105.56
278.02	37.709	105.58
278.05	37.713	105.62
278.14	37.724	105.74
278.24	37.737	105.87
278.34	37.75	106.01
278.44	37.762	106.14
278.54	37.775	106.28
278.64	37.787	106.41
278.74	37.8	106.55
278.84	37.813	106.68
278.94	37.826	106.82
279.	37.833	106.9
279.01	37.834	106.91
279.02	37.836	106.93
279.05	37.84	106.97
279.14	37.851	107.09
279.24	37.864	107.23
279.34	37.877	107.36
279.44	37.89	107.5
279.54	37.903	107.63
279.64	37.916	107.77
279.74	37.929	107.9
279.84	37.942	108.03
279.94	37.955	108.17
280.	37.963	108.25
280.01	37.965	108.26
280.02	37.966	108.28
280.05	37.97	108.32
280.14	37.982	108.44
280.24	37.995	108.58
280.34	38.009	108.71
280.44	38.022	108.85
280.54	38.036	108.99
280.64	38.05	109.12
280.74	38.064	109.26
280.84	38.078	109.4
280.94	38.092	109.53
281.	38.101	109.62
281.01	38.102	109.63
281.02	38.103	109.64
281.05	38.108	109.69
281.14	38.121	109.81
281.24	38.136	109.95
281.34	38.151	110.08
281.44	38.165	110.22
281.54	38.181	110.36

281.64	38.196	110.5
281.74	38.211	110.63
281.84	38.227	110.77
281.94	38.242	110.91
282.	38.252	110.99
282.01	38.253	111.
282.02	38.255	111.02
282.05	38.259	111.06
282.14	38.274	111.18
282.24	38.29	111.32
282.34	38.306	111.46
282.44	38.322	111.6
282.54	38.338	111.74
282.64	38.355	111.88
282.74	38.371	112.01
282.84	38.388	112.15
282.94	38.405	112.29
283.	38.415	112.38
283.01	38.417	112.39
283.02	38.418	112.4
283.05	38.424	112.45
283.14	38.439	112.57
283.24	38.456	112.71
283.34	38.474	112.85
283.44	38.491	112.99
283.54	38.509	113.13
283.64	38.527	113.26
283.74	38.544	113.4
283.84	38.562	113.54
283.94	38.58	113.68
284.	38.591	113.76
284.01	38.592	113.78
284.02	38.594	113.79
284.05	38.6	113.83
284.14	38.616	113.96
284.24	38.634	114.1
284.34	38.652	114.24
284.44	38.671	114.38
284.54	38.689	114.52
284.64	38.708	114.66
284.74	38.727	114.81
284.84	38.746	114.95
284.94	38.766	115.09
285.	38.778	115.18
285.01	38.779	115.19
285.02	38.781	115.2
285.05	38.787	115.25
285.14	38.805	115.37

285.24	38.825	115.52
285.34	38.845	115.66
285.44	38.866	115.8
285.54	38.886	115.94
285.64	38.906	116.08
285.74	38.927	116.22
285.84	38.947	116.36
285.94	38.968	116.5
286.	38.98	116.59
286.01	38.982	116.6
286.02	38.984	116.61
286.05	38.99	116.66
286.14	39.009	116.79
286.24	39.03	116.93
286.34	39.051	117.07
286.44	39.072	117.22
286.54	39.094	117.36
286.64	39.116	117.51
286.74	39.138	117.66
286.84	39.161	117.8
286.94	39.184	117.95
287.	39.198	118.04
287.01	39.201	118.05
287.02	39.203	118.07
287.05	39.21	118.11
287.14	39.232	118.24
287.24	39.256	118.38
287.34	39.28	118.52
287.44	39.304	118.66
287.54	39.329	118.8
287.64	39.353	118.94
287.74	39.377	119.08
287.84	39.4	119.22
287.94	39.423	119.36
288.	39.437	119.44
288.01	39.439	119.45
288.02	39.441	119.47
288.05	39.448	119.51
288.14	39.468	119.63
288.24	39.491	119.77
288.34	39.513	119.91
288.44	39.535	120.05
288.54	39.557	120.19
288.64	39.579	120.33
288.74	39.601	120.47
288.84	39.623	120.6
288.94	39.644	120.74
289.	39.657	120.83

289.01	39.659	120.84
289.02	39.661	120.85
289.05	39.668	120.9
289.14	39.687	121.02
289.24	39.708	121.16
289.34	39.73	121.3
289.44	39.751	121.43
289.54	39.772	121.57
289.64	39.793	121.71
289.74	39.813	121.85
289.84	39.834	121.98
289.94	39.854	122.12
290.	39.867	122.2
290.01	39.869	122.22
290.02	39.871	122.23
290.05	39.877	122.27
290.14	39.895	122.4
290.24	39.915	122.53
290.34	39.935	122.67
290.44	39.955	122.81
290.54	39.975	122.94
290.64	39.995	123.08
290.74	40.014	123.21
290.84	40.034	123.35
290.94	40.053	123.49
291.	40.065	123.57
291.01	40.067	123.58
291.02	40.069	123.59
291.05	40.074	123.63
291.14	40.092	123.75
291.24	40.111	123.89
291.34	40.13	124.02
291.44	40.148	124.15
291.54	40.167	124.29
291.64	40.186	124.42
291.74	40.204	124.55
291.84	40.222	124.68
291.94	40.24	124.81
292.	40.25	124.89
292.01	40.252	124.91
292.02	40.254	124.92
292.05	40.259	124.96
292.14	40.275	125.08
292.24	40.293	125.21
292.34	40.31	125.35
292.44	40.328	125.48
292.54	40.345	125.62
292.64	40.363	125.76

292.74	40.381	125.89
292.84	40.399	126.03
292.94	40.417	126.17
293.	40.429	126.25
293.01	40.43	126.26
293.02	40.432	126.28
293.05	40.438	126.32
293.14	40.455	126.44
293.24	40.474	126.57
293.34	40.493	126.71
293.44	40.512	126.84
293.54	40.531	126.98
293.64	40.551	127.11
293.74	40.57	127.25
293.84	40.589	127.38
293.94	40.609	127.51
294.	40.62	127.59
294.01	40.622	127.61
294.02	40.624	127.62
294.05	40.63	127.66
294.14	40.647	127.79
294.24	40.666	127.93
294.34	40.686	128.07
294.44	40.706	128.21
294.54	40.726	128.35
294.64	40.747	128.49
294.74	40.768	128.63
294.84	40.789	128.78
294.94	40.812	128.92
295.	40.825	129.01
295.01	40.827	129.02
295.02	40.83	129.04
295.05	40.836	129.08
295.14	40.858	129.23
295.24	40.882	129.4
295.34	40.909	129.58
295.44	40.937	129.75
295.54	40.968	129.94
295.64	41.002	130.13
295.74	41.038	130.32
295.84	41.078	130.51
295.94	41.121	130.71
296.	41.148	130.83
296.01	41.152	130.85
296.02	41.157	130.87
296.05	41.171	130.93
296.14	41.215	131.08
296.24	41.266	131.25

296.34	41.318	131.41
296.44	41.371	131.56
296.54	41.424	131.71
296.64	41.477	131.86
296.74	41.529	132.01
296.84	41.579	132.15
296.94	41.629	132.29
297.	41.658	132.38
297.01	41.663	132.39
297.02	41.667	132.4
297.05	41.682	132.45
297.14	41.724	132.57
297.24	41.769	132.71
297.34	41.812	132.85
297.44	41.854	132.99
297.54	41.895	133.13
297.64	41.934	133.26
297.74	41.972	133.39
297.84	42.008	133.53
297.94	42.043	133.66
298.	42.064	133.74
298.01	42.067	133.75
298.02	42.071	133.76
298.05	42.081	133.81
298.14	42.111	133.94
298.24	42.143	134.09
298.34	42.175	134.25
298.44	42.207	134.41
298.54	42.24	134.58
298.64	42.274	134.74
298.74	42.309	134.91
298.84	42.346	135.08
298.94	42.384	135.25
299.	42.407	135.36
299.01	42.411	135.37
299.02	42.415	135.39
299.05	42.427	135.44
299.14	42.464	135.59
299.24	42.506	135.75
299.34	42.55	135.91
299.44	42.594	136.07
299.54	42.638	136.24
299.64	42.684	136.4
299.74	42.729	136.56
299.84	42.775	136.71
299.94	42.821	136.87
300.	42.849	136.97
300.01	42.854	136.99

300.02	42.858	137.
300.05	42.872	137.05
300.14	42.914	137.19
300.24	42.96	137.35
300.34	43.007	137.5
300.44	43.053	137.66
300.54	43.099	137.81
300.64	43.145	137.97
300.74	43.191	138.12
300.84	43.237	138.28
300.94	43.282	138.43
301.	43.309	138.52
301.01	43.314	138.54
301.02	43.318	138.55
301.05	43.332	138.6
301.14	43.372	138.73
301.24	43.416	138.88
301.34	43.46	139.02
301.44	43.503	139.17
301.54	43.546	139.31
301.64	43.587	139.45
301.74	43.628	139.59
301.84	43.667	139.72
301.94	43.706	139.86
302.	43.729	139.94
302.01	43.732	139.96
302.02	43.736	139.97
302.05	43.747	140.02
302.14	43.78	140.16
302.24	43.817	140.32
302.34	43.854	140.49
302.44	43.892	140.67
302.54	43.931	140.85
302.64	43.972	141.03
302.74	44.015	141.21
302.84	44.06	141.4
302.94	44.108	141.59
303.	44.137	141.71
303.01	44.142	141.73
303.02	44.147	141.75
303.05	44.162	141.8
303.14	44.208	141.98
303.24	44.263	142.17
303.34	44.32	142.37
303.44	44.379	142.57
303.54	44.441	142.78
303.64	44.505	142.98
303.74	44.572	143.19

303.84	44.641	143.4
303.94	44.712	143.61
304.	44.756	143.73
304.01	44.763	143.76
304.02	44.771	143.78
304.05	44.793	143.84
304.14	44.861	144.02
304.24	44.939	144.22
304.34	45.018	144.41
304.44	45.099	144.6
304.54	45.18	144.8
304.64	45.261	144.99
304.74	45.343	145.18
304.84	45.426	145.37
304.94	45.508	145.56
305.	45.557	145.68
305.01	45.566	145.7
305.02	45.574	145.71
305.05	45.599	145.77
305.14	45.673	145.93
305.24	45.755	146.11
305.34	45.836	146.28
305.44	45.917	146.45
305.54	45.996	146.62
305.64	46.075	146.79
305.74	46.152	146.96
305.84	46.228	147.12
305.94	46.302	147.28
306.	46.346	147.38
306.01	46.354	147.39
306.02	46.361	147.41
306.05	46.383	147.46
306.14	46.447	147.6
306.24	46.517	147.76
306.34	46.586	147.92
306.44	46.653	148.07
306.54	46.719	148.23
306.64	46.783	148.38
306.74	46.846	148.53
306.84	46.907	148.68
306.94	46.967	148.83
307.	47.002	148.92
307.01	47.008	148.93
307.02	47.014	148.95
307.05	47.032	148.99
307.14	47.083	149.12
307.24	47.138	149.27
307.34	47.192	149.41

307.44	47.245	149.55
307.54	47.295	149.69
307.64	47.345	149.83
307.74	47.392	149.96
307.84	47.438	150.1
307.94	47.482	150.23
308.	47.508	150.31
308.01	47.513	150.32
308.02	47.517	150.34
308.05	47.53	150.38
308.14	47.567	150.5
308.24	47.607	150.64
308.34	47.646	150.78
308.44	47.683	150.91
308.54	47.72	151.05
308.64	47.757	151.19
308.74	47.792	151.33
308.84	47.827	151.47
308.94	47.862	151.61
309.	47.882	151.69
309.01	47.886	151.7
309.02	47.889	151.72
309.05	47.899	151.76
309.14	47.93	151.89
309.24	47.963	152.03
309.34	47.996	152.17
309.44	48.029	152.32
309.54	48.063	152.46
309.64	48.096	152.61
309.74	48.13	152.76
309.84	48.164	152.9
309.94	48.198	153.05
310.	48.218	153.14
310.01	48.222	153.15
310.02	48.225	153.17
310.05	48.236	153.21
310.14	48.267	153.33
310.24	48.301	153.47
310.34	48.336	153.61
310.44	48.37	153.74
310.54	48.403	153.87
310.64	48.436	154.
310.74	48.468	154.13
310.84	48.5	154.26
310.94	48.53	154.39
311.	48.548	154.46
311.01	48.551	154.48
311.02	48.554	154.49

311.05	48.563	154.53
311.14	48.589	154.65
311.24	48.617	154.78
311.34	48.644	154.91
311.44	48.671	155.04
311.54	48.698	155.18
311.64	48.725	155.31
311.74	48.751	155.44
311.84	48.777	155.58
311.94	48.803	155.71
312.	48.819	155.79
312.01	48.822	155.8
312.02	48.824	155.82
312.05	48.832	155.86
312.14	48.856	155.98
312.24	48.882	156.11
312.34	48.908	156.25
312.44	48.934	156.38
312.54	48.96	156.51
312.64	48.986	156.65
312.74	49.012	156.78
312.84	49.039	156.91
312.94	49.065	157.05
313.	49.08	157.13
313.01	49.083	157.14
313.02	49.085	157.15
313.05	49.093	157.19
313.14	49.117	157.31
313.24	49.143	157.45
313.34	49.169	157.59
313.44	49.195	157.73
313.54	49.221	157.86
313.64	49.248	158.
313.74	49.275	158.14
313.84	49.302	158.28
313.94	49.329	158.42
314.	49.345	158.5
314.01	49.348	158.52
314.02	49.351	158.53
314.05	49.359	158.57
314.14	49.384	158.7
314.24	49.412	158.84
314.34	49.44	158.98
314.44	49.469	159.12
314.54	49.498	159.27
314.64	49.527	159.41
314.74	49.557	159.55
314.84	49.587	159.69

314.94	49.617	159.84
315.	49.636	159.93
315.01	49.639	159.94
315.02	49.642	159.95
315.05	49.651	160.
315.14	49.679	160.12
315.24	49.71	160.26
315.34	49.742	160.4
315.44	49.773	160.54
315.54	49.805	160.68
315.64	49.836	160.81
315.74	49.868	160.95
315.84	49.899	161.09
315.94	49.93	161.22
316.	49.948	161.3
316.01	49.951	161.32
316.02	49.954	161.33
316.05	49.963	161.37
316.14	49.991	161.5
316.24	50.021	161.64
316.34	50.052	161.78
316.44	50.082	161.93
316.54	50.114	162.08
316.64	50.145	162.22
316.74	50.177	162.37
316.84	50.21	162.52
316.94	50.243	162.67
317.	50.263	162.76
317.01	50.266	162.77
317.02	50.27	162.79
317.05	50.28	162.83
317.14	50.31	162.95
317.24	50.345	163.09
317.34	50.379	163.22
317.44	50.413	163.35
317.54	50.446	163.48
317.64	50.478	163.6
317.74	50.51	163.73
317.84	50.54	163.85
317.94	50.57	163.97
318.	50.587	164.05
318.01	50.59	164.06
318.02	50.593	164.07
318.05	50.601	164.11
318.14	50.626	164.22
318.24	50.651	164.34
318.34	50.676	164.46
318.44	50.7	164.58

318.54	50.723	164.7
318.64	50.746	164.82
318.74	50.767	164.94
318.84	50.787	165.06
318.94	50.807	165.18
319.	50.818	165.25
319.01	50.82	165.26
319.02	50.822	165.27
319.05	50.828	165.31
319.14	50.844	165.42
319.24	50.862	165.55
319.34	50.879	165.68
319.44	50.897	165.81
319.54	50.915	165.94
319.64	50.933	166.08
319.74	50.951	166.21
319.84	50.97	166.35
319.94	50.99	166.48
320.	51.002	166.57
320.01	51.004	166.58
320.02	51.006	166.59
320.05	51.012	166.63
320.14	51.031	166.75
320.24	51.053	166.88
320.34	51.075	167.01
320.44	51.097	167.14
320.54	51.118	167.26
320.64	51.14	167.39
320.74	51.162	167.52
320.84	51.183	167.64
320.94	51.204	167.77
321.	51.217	167.84
321.01	51.219	167.85
321.02	51.221	167.87
321.05	51.227	167.9
321.14	51.246	168.01
321.24	51.266	168.14
321.34	51.285	168.26
321.44	51.304	168.37
321.54	51.323	168.49
321.64	51.34	168.61
321.74	51.357	168.73
321.84	51.374	168.85
321.94	51.389	168.96
322.	51.399	169.03
322.01	51.4	169.04
322.02	51.402	169.06
322.05	51.406	169.09

322.14	51.419	169.2
322.24	51.433	169.32
322.34	51.446	169.44
322.44	51.459	169.56
322.54	51.471	169.68
322.64	51.483	169.8
322.74	51.495	169.92
322.84	51.507	170.04
322.94	51.518	170.15
323.	51.525	170.23
323.01	51.526	170.24
323.02	51.528	170.25
323.05	51.531	170.29
323.14	51.541	170.39
323.24	51.552	170.51
323.34	51.563	170.63
323.44	51.573	170.75
323.54	51.584	170.86
323.64	51.594	170.98
323.74	51.604	171.1
323.84	51.614	171.21
323.94	51.623	171.33
324.	51.629	171.4
324.01	51.63	171.41
324.02	51.631	171.42
324.05	51.634	171.45
324.14	51.642	171.56
324.24	51.651	171.67
324.34	51.659	171.79
324.44	51.668	171.9
324.54	51.676	172.01
324.64	51.683	172.13
324.74	51.691	172.24
324.84	51.698	172.35
324.94	51.705	172.47
325.	51.709	172.53
325.01		172.55
325.02	51.71	172.56
325.05	51.712	172.59
325.14	51.717	172.69
325.24	51.723	172.81
325.34	51.729	172.92
325.44	51.734	173.03
325.54	51.739	173.15
325.64	51.744	173.26
325.74	51.749	173.37
325.84	51.753	173.49
325.94	51.757	173.6

326.	51.76	173.67
326.01		173.68
326.02	51.761	173.69
326.05	51.762	173.73
326.14	51.766	173.83
326.24	51.77	173.94
326.34	51.774	174.06
326.44	51.777	174.17
326.54	51.781	174.29
326.64	51.785	174.4
326.74	51.789	174.52
326.84	51.793	174.63
326.94	51.797	174.75
327.	51.799	174.82
327.01		174.83
327.02	51.8	174.84
327.05	51.801	174.88
327.14	51.804	174.98
327.24	51.808	175.1
327.34	51.813	175.21
327.44	51.817	175.33
327.54	51.821	175.44
327.64	51.825	175.56
327.74	51.829	175.68
327.84	51.834	175.79
327.94	51.838	175.91
328.	51.841	175.98
328.01		175.99
328.02	51.842	176.
328.05	51.843	176.03
328.14	51.847	176.14
328.24	51.852	176.25
328.34	51.857	176.37
328.44	51.862	176.49
328.54	51.867	176.6
328.64	51.872	176.72
328.74	51.877	176.83
328.84	51.882	176.95
328.94	51.888	177.07
329.	51.891	177.14
329.01	51.892	177.15
329.02		177.16
329.05	51.894	177.19
329.14	51.899	177.3
329.24	51.905	177.41
329.34	51.91	177.52
329.44	51.916	177.64
329.54	51.921	177.75

329.64	51.926	177.86
329.74	51.931	177.97
329.84	51.936	178.08
329.94	51.94	178.19
330.	51.943	178.26
330.01		178.27
330.02	51.944	178.28
330.05	51.945	178.31
330.14	51.948	178.41
330.24	51.952	178.53
330.34	51.955	178.64
330.44	51.958	178.75
330.54	51.961	178.86
330.64	51.964	178.98
330.74	51.967	179.09
330.84	51.969	179.2
330.94	51.972	179.32
331.	51.974	179.38
331.01		179.4
331.02		179.41
331.05	51.975	179.44
331.14	51.977	179.54
331.24	51.98	179.66
331.34	51.983	179.77
331.44	51.985	179.88
331.54	51.988	179.99
331.64	51.99	180.11
331.74	51.993	180.22
331.84	51.995	180.33
331.94	51.997	180.44
332.	51.999	180.51
332.01		180.52
332.02		180.53
332.05	52.	180.57
332.14	52.002	180.67
332.24	52.005	180.78
332.34	52.007	180.9
332.44	52.009	181.01
332.54	52.012	181.12
332.64	52.014	181.24
332.74	52.017	181.35
332.84	52.02	181.47
332.94	52.023	181.58
333.	52.024	181.65
333.01	52.025	181.66
333.02		181.67
333.05	52.026	181.71
333.14	52.029	181.81

333.24	52.032	181.92
333.34	52.035	182.03
333.44	52.038	182.14
333.54	52.041	182.26
333.64	52.044	182.37
333.74	52.047	182.48
333.84	52.05	182.59
333.94	52.052	182.7
334.	52.054	182.77
334.01		182.78
334.02		182.79
334.05	52.055	182.82
334.14	52.057	182.92
334.24	52.059	183.03
334.34	52.062	183.15
334.44	52.064	183.26
334.54	52.065	183.37
334.64	52.067	183.48
334.74	52.069	183.59
334.84	52.071	183.7
334.94	52.073	183.82
335.	52.074	183.88
335.01		183.89
335.02		183.91
335.05	52.075	183.94
335.14	52.076	184.04
335.24	52.078	184.15
335.34	52.079	184.26
335.44	52.081	184.37
335.54	52.082	184.48
335.64	52.083	184.58
335.74	52.084	184.69
335.84	52.086	184.8
335.94	52.087	184.91
336.		184.97
336.01		184.98
336.02		185.
336.05	52.088	185.03
336.14		185.13
336.24	52.089	185.24
336.34	52.09	185.35
336.44		185.46
336.54	52.091	185.57
336.64	52.092	185.68
336.74	52.093	185.79
336.84	52.094	185.91
336.94	52.095	186.02
337.	52.096	186.09

337.01		186.1
337.02		186.11
337.05		186.14
337.14	52.097	186.24
337.24	52.099	186.35
337.34	52.1	186.47
337.44	52.102	186.58
337.54	52.103	186.69
337.64	52.105	186.8
337.74	52.107	186.91
337.84	52.108	187.02
337.94	52.11	187.14
338.		187.2
338.01	52.111	187.21
338.02		187.23
338.05	52.112	187.26
338.14	52.113	187.36
338.24	52.115	187.47
338.34	52.117	187.58
338.44	52.118	187.69
338.54	52.12	187.8
338.64	52.121	187.9
338.74	52.122	188.01
338.84	52.124	188.12
338.94	52.125	188.23
339.		188.29
339.01		188.31
339.02	52.126	188.32
339.05		188.35
339.14	52.127	188.45
339.24		188.56
339.34	52.128	188.66
339.44	52.129	188.77
339.54		188.88
339.64	52.13	188.99
339.74		189.1
339.84		189.21
339.94		189.32
340.		189.38
340.01	52.131	189.4
340.02		189.41
340.05		189.44
340.14		189.54
340.24		189.65
340.34		189.75
340.44	52.132	189.86
340.54		189.97
340.64		190.08

340.74		190.19
340.84		190.3
340.94	52.131	190.4
341.		190.47
341.01		190.48
341.02		190.49
341.05		190.52
341.14		190.62
341.24	52.13	190.73
341.34		190.84
341.44	52.129	190.95
341.54		191.05
341.64	52.128	191.16
341.74		191.27
341.84		191.38
341.94	52.127	191.49
342.		191.56
342.01		191.57
342.02		191.58
342.05		191.61
342.14		191.71
342.24		191.82
342.34		191.92
342.44	52.126	192.03
342.54		192.14
342.64		192.25
342.74		192.35
342.84	52.125	192.46
342.94		192.57
343.	52.124	192.63
343.01		192.64
343.02		192.65
343.05		192.68
343.14		192.78
343.24	52.123	192.89
343.34	52.122	193.
343.44	52.121	193.1
343.54	52.12	193.21
343.64		193.32
343.74	52.119	193.43
343.84	52.118	193.53
343.94	52.117	193.64
344.		193.71
344.01		193.72
344.02		193.73
344.05	52.116	193.76
344.14		193.86
344.24	52.115	193.97

344.34	52.114	194.08
344.44	52.113	194.18
344.54		194.29
344.64	52.112	194.4
344.74	52.111	194.51
344.84	52.11	194.62
344.94		194.72
345.	52.109	194.79
345.01		194.8
345.02		194.81
345.05		194.84
345.14	52.108	194.94
345.24		195.05
345.34	52.107	195.16
345.44	52.106	195.26
345.54	52.105	195.37
345.64		195.48
345.74	52.104	195.59
345.84	52.103	195.69
345.94	52.102	195.8
346.		195.86
346.01		195.88
346.02		195.89
346.05	52.101	195.92
346.14	52.1	196.01
346.24		196.12
346.34	52.099	196.23
346.44	52.098	196.34
346.54	52.097	196.44
346.64	52.095	196.55
346.74	52.094	196.66
346.84	52.093	196.76
346.94	52.092	196.87
347.	52.091	196.93
347.01		196.94
347.02		196.96
347.05	52.09	196.99
347.14	52.089	197.08
347.24	52.088	197.19
347.34	52.086	197.3
347.44	52.085	197.41
347.54	52.084	197.51
347.64	52.082	197.62
347.74	52.081	197.73
347.84	52.08	197.84
347.94	52.079	197.95
348.	52.078	198.01
348.01		198.02

348.02		198.03
348.05		198.07
348.14	52.077	198.16
348.24	52.076	198.27
348.34	52.075	198.38
348.44	52.074	198.48
348.54		198.59
348.64	52.073	198.7
348.74	52.072	198.81
348.84		198.91
348.94	52.071	199.02
349.	52.07	199.08
349.01		199.1
349.02		199.11
349.05		199.14
349.14	52.069	199.24
349.24	52.068	199.34
349.34		199.45
349.44	52.067	199.56
349.54	52.066	199.66
349.64	52.065	199.77
349.74	52.064	199.88
349.84	52.063	199.99
349.94	52.062	200.09
350.		200.16
350.01		200.17
350.02		200.18
350.05	52.061	200.21
350.14		200.31
350.24	52.06	200.42
350.34	52.059	200.52
350.44	52.058	200.63
350.54	52.057	200.74
350.64	52.056	200.85
350.74	52.055	200.95
350.84	52.054	201.06
350.94	52.053	201.17
351.		201.23
351.01		201.24
351.02		201.25
351.05		201.29
351.14	52.052	201.38
351.24	52.051	201.49
351.34	52.05	201.6
351.44	52.049	201.7
351.54	52.048	201.81
351.64	52.047	201.92
351.74		202.03

351.84	52.046	202.13
351.94	52.045	202.24
352.	52.044	202.3
352.01		202.32
352.02		202.33
352.05		202.36
352.14	52.043	202.45
352.24	52.042	202.56
352.34	52.041	202.67
352.44		202.77
352.54	52.04	202.88
352.64	52.039	202.99
352.74	52.037	203.09
352.84	52.036	203.2
352.94	52.035	203.3
353.	52.034	203.37
353.01		203.38
353.02		203.39
353.05		203.42
353.14	52.033	203.51
353.24	52.031	203.62
353.34	52.03	203.73
353.44	52.028	203.83
353.54	52.027	203.94
353.64	52.025	204.05
353.74	52.024	204.15
353.84	52.023	204.26
353.94	52.021	204.37
354.	52.02	204.43
354.01		204.44
354.02		204.45
354.05		204.49
354.14	52.019	204.58
354.24	52.017	204.69
354.34	52.016	204.8
354.44	52.015	204.9
354.54	52.013	205.01
354.64	52.012	205.12
354.74	52.011	205.22
354.84	52.01	205.33
354.94	52.009	205.44
355.	52.008	205.5
355.01		205.51
355.02		205.52
355.05	52.007	205.55
355.14	52.006	205.65
355.24	52.005	205.76
355.34	52.004	205.87

355.44	52.003	205.97
355.54	52.002	206.08
355.64	52.001	206.19
355.74	52.	206.3
355.84	51.999	206.41
355.94	51.998	206.51
356.		206.58
356.01		206.59
356.02		206.6
356.05	51.997	206.63
356.14		206.73
356.24	51.996	206.84
356.34	51.995	206.94
356.44	51.994	207.05
356.54	51.993	207.16
356.64		207.26
356.74	51.992	207.37
356.84	51.991	207.48
356.94	51.99	207.58
357.		207.65
357.01		207.66
357.02		207.67
357.05	51.989	207.7
357.14	51.988	207.8
357.24		207.9
357.34	51.987	208.01
357.44	51.986	208.12
357.54	51.985	208.22
357.64	51.984	208.33
357.74	51.983	208.43
357.84	51.981	208.54
357.94	51.98	208.65
358.		208.71
358.01		208.72
358.02	51.979	208.73
358.05		208.76
358.14	51.978	208.86
358.24	51.977	208.96
358.34	51.975	209.07
358.44	51.974	209.18
358.54	51.973	209.28
358.64	51.972	209.39
358.74	51.97	209.49
358.84	51.969	209.6
358.94	51.968	209.71
359.	51.967	209.77
359.01		209.78
359.02		209.79

359.05	51.966	209.82
359.14	51.965	209.92
359.24	51.964	210.03
359.34	51.962	210.13
359.44	51.961	210.24
359.54	51.96	210.34
359.64	51.958	210.45
359.74	51.957	210.56
359.84	51.956	210.66
359.94	51.954	210.77
360.		210.83
360.01	51.953	210.84
360.02		210.85
360.05		210.89
360.14	51.952	210.98
360.24	51.95	211.09
360.34	51.949	211.19
360.44	51.947	211.3
360.54	51.946	211.41
360.64	51.945	211.51
360.74	51.943	211.62
360.84	51.942	211.73
360.94	51.94	211.83
361.		211.9
361.01		211.91
361.02	51.939	211.92
361.05		211.95
361.14	51.938	212.05
361.24	51.937	212.15
361.34	51.935	212.26
361.44	51.934	212.36
361.54	51.933	212.47
361.64	51.932	212.58
361.74	51.93	212.68
361.84	51.929	212.79
361.94	51.928	212.89
362.	51.927	212.96
362.01		212.97
362.02		212.98
362.05		213.01
362.14	51.926	213.1
362.24	51.925	213.21
362.34	51.924	213.32
362.44	51.923	213.42
362.54	51.921	213.53
362.64	51.92	213.63
362.74	51.919	213.74
362.84	51.918	213.84

362.94	51.917	213.95
363.	51.916	214.01
363.01		214.02
363.02		214.03
363.05	51.915	214.06
363.14	51.914	214.16
363.24	51.913	214.26
363.34	51.911	214.37
363.44	51.91	214.47
363.54	51.909	214.58
363.64	51.907	214.68
363.74	51.906	214.79
363.84	51.904	214.89
363.94	51.903	215.
364.	51.902	215.06
364.01		215.07
364.02		215.08
364.05	51.901	215.12
364.14	51.9	215.21
364.24	51.899	215.31
364.34	51.897	215.42
364.44	51.896	215.52
364.54	51.894	215.62
364.64	51.893	215.73
364.74	51.892	215.83
364.84	51.89	215.94
364.94	51.889	216.04
365.	51.888	216.1
365.01		216.11
365.02	51.887	216.12
365.05		216.15
365.14	51.886	216.25
365.24	51.884	216.35
365.34	51.883	216.45
365.44	51.881	216.56
365.54	51.879	216.66
365.64	51.878	216.77
365.74	51.876	216.87
365.84	51.875	216.98
365.94	51.873	217.08
366.	51.872	217.15
366.01		217.16
366.02		217.17
366.05	51.871	217.2
366.14	51.87	217.29
366.24	51.868	217.4
366.34	51.866	217.5
366.44	51.865	217.61

366.54	51.863	217.72
366.64	51.861	217.82
366.74	51.86	217.93
366.84	51.858	218.03
366.94	51.856	218.14
367.	51.855	218.2
367.01		218.21
367.02		218.22
367.05	51.854	218.26
367.14	51.853	218.35
367.24	51.851	218.46
367.34	51.85	218.56
367.44	51.848	218.67
367.54	51.847	218.77
367.64	51.845	218.88
367.74	51.844	218.98
367.84	51.842	219.09
367.94	51.84	219.19
368.	51.839	219.25
368.01		219.27
368.02		219.28
368.05		219.31
368.14	51.837	219.4
368.24	51.836	219.51
368.34	51.834	219.61
368.44	51.832	219.72
368.54	51.831	219.82
368.64	51.829	219.93
368.74	51.827	220.03
368.84	51.826	220.14
368.94	51.824	220.24
369.	51.823	220.31
369.01		220.32
369.02		220.33
369.05	51.822	220.36
369.14	51.821	220.45
369.24	51.819	220.56
369.34	51.818	220.66
369.44	51.816	220.77
369.54	51.814	220.87
369.64	51.813	220.98
369.74	51.811	221.08
369.84	51.809	221.19
369.94	51.808	221.29
370.	51.807	221.35
370.01		221.36
370.02	51.806	221.37
370.05		221.4

370.14	51.804	221.5
370.24	51.803	221.6
370.34	51.801	221.71
370.44	51.799	221.81
370.54	51.797	221.92
370.64	51.796	222.02
370.74	51.794	222.13
370.84	51.792	222.23
370.94	51.791	222.34
371.	51.79	222.4
371.01		222.41
371.02	51.789	222.42
371.05		222.45
371.14	51.788	222.55
371.24	51.786	222.65
371.34	51.784	222.76
371.44	51.783	222.86
371.54	51.781	222.97
371.64	51.78	223.07
371.74	51.778	223.18
371.84	51.777	223.28
371.94	51.775	223.39
372.	51.774	223.45
372.01		223.46
372.02		223.47
372.05		223.5
372.14	51.772	223.6
372.24	51.771	223.7
372.34	51.769	223.81
372.44	51.768	223.91
372.54	51.766	224.02
372.64	51.765	224.12
372.74	51.763	224.22
372.84	51.761	224.33
372.94	51.76	224.43
373.	51.759	224.49
373.01		224.51
373.02		224.52
373.05	51.758	224.55
373.14	51.757	224.64
373.24	51.755	224.74
373.34	51.753	224.85
373.44	51.752	224.95
373.54	51.75	225.06
373.64	51.748	225.16
373.74	51.747	225.27
373.84	51.745	225.37
373.94	51.743	225.47

374.	51.742	225.54
374.01		225.55
374.02		225.56
374.05	51.741	225.59
374.14	51.74	225.68
374.24	51.738	225.79
374.34	51.736	225.89
374.44	51.735	226.
374.54	51.733	226.1
374.64	51.731	226.21
374.74	51.729	226.31
374.84	51.728	226.42
374.94	51.726	226.52
375.	51.725	226.59
375.01		226.6
375.02		226.61
375.05	51.724	226.64
375.14	51.723	226.73
375.24	51.721	226.84
375.34	51.719	226.94
375.44	51.717	227.05
375.54	51.716	227.15
375.64	51.714	227.26
375.74	51.712	227.36
375.84	51.711	227.47
375.94	51.709	227.57
376.	51.708	227.64
376.01		227.65
376.02		227.66
376.05	51.707	227.69
376.14	51.705	227.78
376.24	51.704	227.89
376.34	51.702	227.99
376.44	51.7	228.1
376.54	51.698	228.2
376.64	51.697	228.31
376.74	51.695	228.41
376.84	51.693	228.52
376.94	51.691	228.62
377.	51.69	228.68
377.01		228.69
377.02	51.689	228.7
377.05		228.74
377.14	51.687	228.83
377.24	51.685	228.93
377.34	51.683	229.04
377.44	51.681	229.14
377.54	51.679	229.25

377.64	51.677	229.35
377.74	51.675	229.46
377.84	51.673	229.56
377.94	51.671	229.67
378.	51.67	229.73
378.01		229.74
378.02		229.75
378.05	51.669	229.78
378.14	51.668	229.88
378.24	51.666	229.98
378.34	51.664	230.08
378.44	51.662	230.19
378.54	51.66	230.29
378.64	51.658	230.4
378.74	51.656	230.5
378.84	51.654	230.61
378.94	51.652	230.71
379.	51.651	230.78
379.01		230.79
379.02	51.65	230.8
379.05		230.83
379.14	51.648	230.92
379.24	51.646	231.03
379.34	51.644	231.13
379.44	51.642	231.24
379.54	51.64	231.34
379.64	51.638	231.45
379.74	51.636	231.55
379.84	51.634	231.66
379.94	51.632	231.76
380.	51.631	231.83
380.01		231.84
380.02		231.85
380.05	51.63	231.88
380.14	51.629	231.97
380.24	51.627	232.08
380.34	51.625	232.18
380.44	51.623	232.29
380.54	51.621	232.39
380.64	51.619	232.5
380.74	51.617	232.6
380.84	51.616	232.7
380.94	51.614	232.81
381.	51.613	232.87
381.01	51.612	232.88
381.02		232.89
381.05		232.92
381.14	51.61	233.02

381.24	51.608	233.12
381.34	51.606	233.23
381.44	51.604	233.33
381.54	51.602	233.44
381.64	51.601	233.54
381.74	51.599	233.65
381.84	51.597	233.75
381.94	51.595	233.86
382.	51.594	233.92
382.01		233.93
382.02		233.94
382.05	51.593	233.97
382.14	51.591	234.06
382.24	51.59	234.17
382.34	51.588	234.27
382.44	51.586	234.38
382.54	51.584	234.48
382.64	51.582	234.59
382.74	51.581	234.69
382.84	51.579	234.8
382.94	51.577	234.9
383.	51.576	234.97
383.01		234.98
383.02		234.99
383.05		235.02
383.14	51.574	235.11
383.24	51.573	235.22
383.34	51.571	235.32
383.44	51.569	235.43
383.54	51.568	235.53
383.64	51.566	235.63
383.74	51.565	235.74
383.84	51.563	235.84
383.94	51.561	235.95
384.	51.56	236.01
384.01		236.02
384.02		236.03
384.05	51.559	236.06
384.14	51.558	236.15
384.24	51.556	236.26
384.34	51.554	236.36
384.44	51.552	236.47
384.54	51.551	236.57
384.64	51.549	236.68
384.74	51.547	236.78
384.84	51.546	236.89
384.94	51.544	236.99
385.	51.543	237.06

385.01		237.07
385.02		237.08
385.05	51.542	237.11
385.14	51.541	237.2
385.24	51.539	237.31
385.34	51.538	237.41
385.44	51.536	237.52
385.54	51.535	237.62
385.64	51.533	237.73
385.74	51.532	237.83
385.84	51.53	237.94
385.94	51.528	238.04
386.	51.527	238.11
386.01		238.12
386.02		238.13
386.05		238.16
386.14	51.525	238.25
386.24	51.524	238.36
386.34	51.522	238.46
386.44	51.52	238.57
386.54	51.519	238.67
386.64	51.517	238.78
386.74	51.515	238.88
386.84	51.514	238.98
386.94	51.512	239.09
387.	51.511	239.15
387.01		239.16
387.02	51.51	239.17
387.05		239.2
387.14	51.508	239.3
387.24	51.507	239.4
387.34	51.505	239.51
387.44	51.503	239.61
387.54	51.501	239.72
387.64	51.5	239.82
387.74	51.498	239.92
387.84	51.496	240.03
387.94	51.494	240.13
388.	51.493	240.2
388.01		240.21
388.02		240.22
388.05	51.492	240.25
388.14	51.49	240.34
388.24	51.489	240.45
388.34	51.487	240.55
388.44	51.485	240.66
388.54	51.483	240.76
388.64	51.481	240.87

388.74	51.479	240.97
388.84	51.477	241.08
388.94	51.476	241.18
389.	51.475	241.24
389.01	51.474	241.25
389.02		241.26
389.05		241.3
389.14	51.472	241.39
389.24	51.47	241.49
389.34	51.469	241.6
389.44	51.467	241.7
389.54	51.465	241.81
389.64	51.464	241.91
389.74	51.462	242.01
389.84	51.46	242.12
389.94	51.458	242.22
390.	51.457	242.28
390.01		242.29
390.02		242.3
390.05	51.456	242.33
390.14	51.455	242.43
390.24	51.453	242.53
390.34	51.451	242.63
390.44	51.449	242.73
390.54	51.447	242.84
390.64	51.446	242.94
390.74	51.444	243.04
390.84	51.442	243.14
390.94	51.44	243.25
391.	51.438	243.31
391.01		243.32
391.02		243.33
391.05	51.437	243.36
391.14	51.436	243.45
391.24	51.434	243.55
391.34	51.431	243.65
391.44	51.429	243.76
391.54	51.427	243.86
391.64	51.425	243.96
391.74	51.423	244.06
391.84	51.421	244.17
391.94	51.419	244.27
392.	51.418	244.33
392.01	51.417	244.34
392.02		244.35
392.05		244.38
392.14	51.415	244.47
392.24	51.413	244.58

392.34	51.41	244.68
392.44	51.408	244.78
392.54	51.406	244.89
392.64	51.404	244.99
392.74	51.402	245.09
392.84	51.4	245.19
392.94	51.398	245.3
393.	51.396	245.36
393.01		245.37
393.02		245.38
393.05	51.395	245.41
393.14	51.393	245.5
393.24	51.391	245.6
393.34	51.389	245.71
393.44	51.387	245.81
393.54	51.385	245.91
393.64	51.383	246.02
393.74	51.381	246.12
393.84	51.378	246.22
393.94	51.376	246.32
394.	51.375	246.39
394.01		246.4
394.02		246.41
394.05	51.374	246.44
394.14	51.372	246.53
394.24	51.37	246.63
394.34	51.368	246.74
394.44	51.366	246.84
394.54	51.364	246.94
394.64	51.362	247.04
394.74	51.36	247.15
394.84	51.358	247.25
394.94	51.356	247.35
395.	51.355	247.41
395.01	51.354	247.42
395.02		247.43
395.05		247.46
395.14	51.352	247.56
395.24	51.35	247.66
395.34	51.348	247.76
395.44	51.346	247.87
395.54	51.344	247.97
395.64	51.341	248.07
395.74	51.339	248.18
395.84	51.337	248.28
395.94	51.335	248.38
396.	51.334	248.44
396.01		248.46

396.02		248.47
396.05	51.333	248.5
396.14	51.331	248.59
396.24	51.329	248.69
396.34	51.327	248.8
396.44	51.325	248.9
396.54	51.324	249.
396.64	51.322	249.11
396.74	51.32	249.21
396.84	51.318	249.32
396.94	51.316	249.42
397.		249.48
397.01	51.314	249.49
397.02		249.5
397.05	51.313	249.53
397.14	51.312	249.63
397.24	51.31	249.73
397.34	51.308	249.84
397.44	51.306	249.94
397.54	51.304	250.04
397.64	51.302	250.15
397.74	51.3	250.25
397.84	51.298	250.35
397.94	51.296	250.45
398.		250.52
398.01	51.295	250.53
398.02		250.54
398.05	51.294	250.57
398.14	51.292	250.66
398.24	51.291	250.76
398.34	51.289	250.87
398.44	51.287	250.97
398.54	51.285	251.07
398.64	51.283	251.17
398.74	51.281	251.27
398.84	51.279	251.38
398.94	51.277	251.48
399.		251.54
399.01	51.276	251.55
399.02		251.56
399.05	51.275	251.59
399.14	51.273	251.68
399.24	51.271	251.78
399.34	51.269	251.89
399.44	51.267	251.99
399.54	51.265	252.09
399.64	51.263	252.19
399.74	51.261	252.29

399.84	51.259	252.4
399.94	51.257	252.5
400.	51.256	252.56
400.01		252.57
400.02		252.58
400.05	51.255	252.61
400.14	51.253	252.7
400.24	51.251	252.8
400.34	51.249	252.91
400.44	51.247	253.01
400.54	51.245	253.11
400.64	51.244	253.21
400.74	51.242	253.31
400.84	51.24	253.42
400.94	51.238	253.52
401.	51.237	253.58
401.01	51.236	253.59
401.02		253.6
401.05		253.63
401.14	51.234	253.72
401.24	51.232	253.82
401.34	51.23	253.93
401.44	51.228	254.03
401.54	51.226	254.13
401.64	51.224	254.23
401.74	51.222	254.33
401.84	51.22	254.44
401.94	51.218	254.54
402.	51.217	254.6
402.01		254.61
402.02		254.62
402.05	51.216	254.65
402.14	51.215	254.74
402.24	51.213	254.85
402.34	51.211	254.95
402.44	51.209	255.05
402.54	51.207	255.15
402.64	51.205	255.25
402.74	51.203	255.36
402.84	51.201	255.46
402.94	51.199	255.56
403.	51.198	255.62
403.01		255.63
403.02		255.64
403.05	51.197	255.67
403.14	51.196	255.76
403.24	51.194	255.87
403.34	51.192	255.97

403.44	51.19	256.07
403.54	51.188	256.17
403.64	51.186	256.27
403.74	51.184	256.37
403.84	51.182	256.48
403.94	51.18	256.58
404.		256.64
404.01	51.179	256.65
404.02		256.66
404.05	51.178	256.69
404.14	51.176	256.78
404.24	51.174	256.88
404.34	51.172	256.98
404.44	51.17	257.09
404.54	51.168	257.19
404.64	51.166	257.29
404.74	51.164	257.39
404.84	51.162	257.49
404.94	51.16	257.59
405.		257.66
405.01	51.159	257.67
405.02		257.68
405.05	51.158	257.71
405.14	51.156	257.8
405.24	51.154	257.9
405.34	51.152	258.
405.44	51.15	258.1
405.54	51.148	258.21
405.64	51.146	258.31
405.74	51.144	258.41
405.84	51.142	258.51
405.94	51.14	258.61
406.		258.68
406.01	51.139	258.69
406.02		258.7
406.05	51.138	258.73
406.14	51.136	258.82
406.24	51.135	258.92
406.34	51.133	259.02
406.44	51.131	259.13
406.54	51.129	259.23
406.64	51.127	259.33
406.74	51.125	259.43
406.84	51.123	259.53
406.94	51.121	259.64
407.		259.7
407.01	51.12	259.71
407.02		259.72

407.05	51.119	259.75
407.14	51.118	259.84
407.24	51.116	259.94
407.34	51.114	260.04
407.44	51.112	260.15
407.54	51.11	260.25
407.64	51.109	260.35
407.74	51.107	260.45
407.84	51.105	260.55
407.94	51.103	260.65
408.		260.71
408.01	51.102	260.72
408.02		260.73
408.05	51.101	260.76
408.14	51.1	260.86
408.24	51.098	260.96
408.34	51.096	261.06
408.44	51.094	261.16
408.54	51.092	261.26
408.64	51.091	261.36
408.74	51.089	261.46
408.84	51.087	261.56
408.94	51.085	261.66
409.		261.72
409.01	51.084	261.73
409.02		261.74
409.05	51.083	261.77
409.14	51.082	261.86
409.24	51.08	261.96
409.34	51.078	262.07
409.44	51.076	262.17
409.54	51.074	262.27
409.64	51.073	262.37
409.74	51.071	262.47
409.84	51.069	262.57
409.94	51.067	262.67
410.		262.73
410.01	51.066	262.74
410.02		262.75
410.05	51.065	262.79
410.14	51.064	262.88
410.24	51.062	262.98
410.34	51.06	263.08
410.44	51.058	263.18
410.54	51.056	263.28
410.64	51.054	263.38
410.74	51.053	263.49
410.84	51.051	263.59

410.94	51.049	263.69
411.	51.048	263.75
411.01		263.76
411.02		
411.05	51.047	263.78
411.14	51.045	263.8
411.24	51.044	263.79
411.34	51.042	263.76
411.44	51.04	263.71
411.54	51.038	263.64
411.64	51.037	263.56
411.74	51.035	263.46
411.84	51.033	263.35
411.94	51.031	263.23
412.	51.03	263.15
412.01		263.14
412.02		263.13
412.05		263.11
412.14	51.028	263.05
412.24	51.026	263.
412.34	51.024	262.96
412.44	51.023	262.93
412.54	51.021	262.91
412.64	51.019	262.89
412.74	51.017	262.87
412.84	51.016	262.85
412.94	51.014	262.84
413.	51.013	262.83
413.01		
413.02	51.012	
413.05		262.82
413.14	51.01	262.81
413.24	51.009	262.8
413.34	51.007	262.79
413.44	51.005	262.78
413.54	51.003	262.76
413.64	51.001	262.75
413.74	51.	262.74
413.84	50.998	262.73
413.94	50.996	262.72
414.	50.995	262.71
414.01		
414.02		
414.05	50.994	262.7
414.14	50.992	262.69
414.24	50.991	262.68
414.34	50.989	262.67
414.44	50.987	262.66

414.54	50.985	262.65
414.64	50.984	262.63
414.74	50.982	262.62
414.84	50.98	262.61
414.94	50.978	262.6
415.	50.977	262.59
415.01		
415.02		
415.05	50.976	
415.14	50.975	262.58
415.24	50.973	262.56
415.34	50.971	262.55
415.44	50.97	262.54
415.54	50.968	262.53
415.64	50.966	262.52
415.74	50.964	262.51
415.84	50.962	262.5
415.94	50.961	262.48
416.	50.96	
416.01	50.959	
416.02		
416.05		262.47
416.14	50.957	262.46
416.24	50.955	262.45
416.34	50.954	262.44
416.44	50.952	262.43
416.54	50.95	262.42
416.64	50.948	262.4
416.74	50.946	262.39
416.84	50.945	262.38
416.94	50.943	262.37
417.	50.942	262.36
417.01		
417.02	50.941	
417.05		
417.14	50.939	262.35
417.24	50.937	262.34
417.34	50.936	262.33
417.44	50.934	262.31
417.54	50.932	262.3
417.64	50.93	262.29
417.74	50.929	262.28
417.84	50.927	262.27
417.94	50.925	262.26
418.	50.924	262.25
418.01		
418.02		
418.05	50.923	

418.14	50.922	262.24
418.24	50.92	262.22
418.34	50.918	262.21
418.44	50.917	262.2
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418.64	50.913	262.18
418.74	50.911	262.17
418.84	50.91	262.16
418.94	50.908	262.14
419.	50.907	
419.01		
419.02		
419.05	50.906	262.13
419.14	50.905	262.12
419.24	50.903	262.11
419.34	50.901	262.1
419.44	50.899	262.09
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419.64	50.896	262.06
419.74	50.894	262.05
419.84	50.892	262.04
419.94	50.891	262.03
420.	50.89	262.02
420.01	50.889	
420.02		
420.05		
420.14	50.887	262.01
420.24	50.885	261.99
420.34	50.884	261.98
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420.54	50.88	261.96
420.64	50.878	261.95
420.74	50.877	261.94
420.84	50.875	261.92
420.94	50.873	261.91
421.	50.872	
421.01		261.9
421.02		
421.05	50.871	
421.14	50.87	261.89
421.24	50.868	261.88
421.34	50.866	261.87
421.44	50.864	261.85
421.54	50.863	261.84
421.64	50.861	261.83
421.74	50.859	261.82
421.84	50.857	261.81
421.94	50.855	261.79

422.	50.854	
422.01		
422.02		
422.05	50.853	261.78
422.14	50.852	261.77
422.24	50.85	261.76
422.34	50.848	261.75
422.44	50.846	261.74
422.54	50.844	261.72
422.64	50.843	261.71
422.74	50.841	261.7
422.84	50.839	261.69
422.94	50.837	261.68
423.	50.836	261.67
423.01		
423.02		
423.05	50.835	261.66
423.14	50.833	261.65
423.24	50.832	261.64
423.34	50.83	261.63
423.44	50.828	261.62
423.54	50.826	261.61
423.64	50.824	261.6
423.74	50.822	261.58
423.84	50.821	261.57
423.94	50.819	261.56
424.	50.818	261.55
424.01		
424.02	50.817	
424.05		
424.14	50.815	261.54
424.24	50.813	261.53
424.34	50.812	261.51
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424.54	50.808	261.49
424.64	50.806	261.48
424.74	50.805	261.47
424.84	50.803	261.46
424.94	50.801	261.44
425.	50.8	
425.01		
425.02		
425.05	50.799	261.43
425.14	50.798	261.42
425.24	50.796	261.41
425.34	50.794	261.4
425.44	50.792	261.39
425.54	50.79	261.38

425.64	50.789	261.36
425.74	50.787	261.35
425.84	50.785	261.34
425.94	50.783	261.33
426.	50.782	261.32
426.01		
426.02		
426.05	50.781	
426.14	50.78	261.31
426.24	50.778	261.29
426.34	50.776	261.28
426.44	50.774	261.27
426.54	50.773	261.26
426.64	50.771	261.25
426.74	50.769	261.24
426.84	50.767	261.22
426.94	50.766	261.21
427.	50.764	261.2
427.01		
427.02		
427.05		
427.14	50.762	261.19
427.24	50.76	261.18
427.34	50.758	261.16
427.44	50.757	261.15
427.54	50.755	261.14
427.64	50.753	261.13
427.74	50.751	261.12
427.84	50.749	261.1
427.94	50.748	261.09
428.	50.746	261.08
428.01		
428.02		
428.05	50.745	
428.14	50.744	261.07
428.24	50.742	261.05
428.34	50.74	261.04
428.44	50.738	261.03
428.54	50.736	261.02
428.64	50.735	261.01
428.74	50.733	260.99
428.84	50.731	260.98
428.94	50.729	260.97
429.	50.728	260.96
429.01		
429.02	50.727	
429.05		
429.14	50.725	260.95

429.24	50.723	260.93
429.34	50.721	260.92
429.44	50.72	260.91
429.54	50.718	260.9
429.64	50.716	260.89
429.74	50.714	260.87
429.84	50.712	260.86
429.94	50.71	260.85
430.	50.709	260.84
430.01		
430.02		
430.05	50.708	
430.14	50.706	260.82
430.24	50.704	260.81
430.34	50.702	260.8
430.44	50.701	260.79
430.54	50.699	260.78
430.64	50.697	260.76
430.74	50.695	260.75
430.84	50.693	260.74
430.94	50.691	260.73
431.	50.69	260.72
431.01	50.689	
431.02		
431.05		260.71
431.14	50.687	260.7
431.24	50.685	260.69
431.34	50.683	260.68
431.44	50.681	260.66
431.54	50.679	260.65
431.64	50.677	260.64
431.74	50.675	260.63
431.84	50.673	260.61
431.94	50.671	260.6
432.	50.67	260.59
432.01		
432.02	50.669	
432.05		
432.14	50.667	260.58
432.24	50.665	260.56
432.34	50.663	260.55
432.44	50.661	260.54
432.54	50.659	260.53
432.64	50.657	260.51
432.74	50.655	260.5
432.84	50.654	260.49
432.94	50.652	260.48
433.	50.65	260.47

433.01		
433.02		
433.05	50.649	260.46
433.14	50.648	260.45
433.24	50.646	260.44
433.34	50.644	260.43
433.44	50.642	260.42
433.54	50.64	260.4
433.64	50.638	260.39
433.74	50.636	260.38
433.84	50.634	260.37
433.94	50.632	260.36
434.		
434.01	50.631	260.35
434.02		
434.05	50.63	260.34
434.14	50.629	260.33
434.24	50.627	260.32
434.34	50.625	260.31
434.44	50.623	260.3
434.54	50.621	260.28
434.64	50.619	260.27
434.74	50.617	260.26
434.84	50.616	260.25
434.94	50.614	260.24
435.	50.613	
435.01		260.23
435.02	50.612	
435.05		260.22
435.14	50.61	260.21
435.24	50.608	260.2
435.34	50.606	260.19
435.44	50.604	260.18
435.54	50.602	260.17
435.64	50.601	260.15
435.74	50.599	260.14
435.84	50.597	260.13
435.94	50.595	260.12
436.	50.594	
436.01		260.11
436.02	50.593	
436.05		260.1
436.14	50.591	260.09
436.24	50.589	260.08
436.34	50.587	260.07
436.44	50.586	260.06
436.54	50.584	260.05
436.64	50.582	260.03

436.74	50.58	260.02
436.84	50.578	260.01
436.94	50.576	260.
437.	50.575	259.99
437.01		
437.02		
437.05	50.574	
437.14	50.573	259.98
437.24	50.571	259.96
437.34	50.569	259.95
437.44	50.567	259.94
437.54	50.565	259.93
437.64	50.563	259.92
437.74	50.561	259.9
437.84	50.56	259.89
437.94	50.558	259.88
438.	50.557	259.87
438.01	50.556	
438.02		
438.05		259.86
438.14	50.554	259.85
438.24	50.552	259.84
438.34	50.55	259.83
438.44	50.548	259.82
438.54	50.546	259.8
438.64	50.545	259.79
438.74	50.543	259.78
438.84	50.541	259.77
438.94	50.539	259.75
439.	50.538	
439.01	50.537	259.74
439.02		
439.05		
439.14	50.535	259.73
439.24	50.533	259.71
439.34	50.531	259.7
439.44	50.529	259.69
439.54	50.527	259.68
439.64	50.525	259.66
439.74	50.523	259.65
439.84	50.521	259.64
439.94	50.519	259.63
440.	50.518	259.62
440.01		
440.02		
440.05	50.517	259.61
440.14	50.515	259.6
440.24	50.513	259.59

440.34	50.512	259.58
440.44	50.51	259.56
440.54	50.508	259.55
440.64	50.506	259.54
440.74	50.504	259.52
440.84	50.502	259.51
440.94	50.5	259.5
441.	50.499	259.49
441.01	50.498	
441.02		
441.05		259.48
441.14	50.496	259.47
441.24	50.494	259.46
441.34	50.492	259.45
441.44	50.49	259.43
441.54	50.488	259.42
441.64	50.485	259.41
441.74	50.483	259.39
441.84	50.481	259.38
441.94	50.479	259.36
442.	50.478	
442.01		259.35
442.02		
442.05	50.477	
442.14	50.475	259.34
442.24	50.473	259.32
442.34	50.471	259.31
442.44	50.469	259.29
442.54	50.467	259.28
442.64	50.464	259.27
442.74	50.462	259.25
442.84	50.46	259.24
442.94	50.458	259.22
443.	50.457	
443.01		259.21
443.02	50.456	
443.05		
443.14	50.454	259.2
443.24	50.452	259.18
443.34	50.449	259.17
443.44	50.447	259.15
443.54	50.445	259.14
443.64	50.443	259.12
443.74	50.441	259.11
443.84	50.439	259.1
443.94	50.437	259.08
444.	50.435	259.07
444.01		

444.02		
444.05	50.434	
444.14	50.432	259.05
444.24	50.43	259.04
444.34	50.428	259.03
444.44	50.426	259.01
444.54	50.424	259.
444.64	50.422	258.98
444.74	50.419	258.97
444.84	50.417	258.96
444.94	50.415	258.94
445.	50.414	258.93
445.01		
445.02		
445.05	50.413	
445.14	50.411	258.91
445.24	50.409	258.9
445.34	50.407	258.89
445.44	50.405	258.87
445.54	50.403	258.86
445.64	50.4	258.85
445.74	50.398	258.83
445.84	50.396	258.82
445.94	50.394	258.8
446.	50.393	
446.01		258.79
446.02	50.392	
446.05		
446.14	50.39	258.78
446.24	50.388	258.76
446.34	50.386	258.75
446.44	50.384	258.74
446.54	50.382	258.72
446.64	50.38	258.71
446.74	50.377	258.69
446.84	50.375	258.68
446.94	50.373	258.67
447.	50.372	258.66
447.01		
447.02		
447.05	50.371	258.65
447.14	50.369	258.64
447.24	50.367	258.63
447.34	50.365	258.61
447.44	50.363	258.6
447.54	50.361	258.59
447.64	50.359	258.57
447.74	50.357	258.56

447.84	50.355	258.55
447.94	50.352	258.53
448.	50.351	
448.01		258.52
448.02		
448.05	50.35	
448.14	50.348	258.51
448.24	50.346	258.49
448.34	50.344	258.48
448.44	50.342	258.47
448.54	50.34	258.45
448.64	50.338	258.44
448.74	50.336	258.43
448.84	50.334	258.42
448.94	50.332	258.4
449.	50.331	
449.01		258.39
449.02	50.33	
449.05		
449.14	50.328	258.38
449.24	50.326	258.37
449.34	50.324	258.35
449.44	50.322	258.34
449.54	50.32	258.33
449.64	50.318	258.31
449.74	50.316	258.3
449.84	50.314	258.29
449.94	50.312	258.28
450.	50.311	258.27
450.01		
450.02		
450.05	50.31	258.26
450.14	50.308	258.25
450.24	50.306	258.24
450.34	50.304	258.23
450.44	50.302	258.21
450.54	50.3	258.2
450.64	50.299	258.19
450.74	50.297	258.18
450.84	50.295	258.16
450.94	50.293	258.15
451.	50.291	258.14
451.01		
451.02		
451.05	50.29	
451.14	50.289	258.12
451.24	50.287	258.11
451.34	50.285	258.1

451.44	50.283	258.09
451.54	50.281	258.07
451.64	50.279	258.06
451.74	50.277	258.05
451.84	50.275	258.04
451.94	50.273	258.02
452.	50.271	258.01
452.01		
452.02		
452.05	50.27	
452.14	50.269	258.
452.24	50.267	257.98
452.34	50.265	257.97
452.44	50.263	257.96
452.54	50.261	257.95
452.64	50.259	257.93
452.74	50.257	257.92
452.84	50.255	257.91
452.94	50.253	257.89
453.	50.252	
453.01	50.251	
453.02		257.88
453.05		
453.14	50.249	257.87
453.24	50.247	257.86
453.34	50.245	257.84
453.44	50.243	257.83
453.54	50.241	257.82
453.64	50.239	257.81
453.74	50.237	257.79
453.84	50.235	257.78
453.94	50.233	257.77
454.	50.232	257.76
454.01		
454.02		
454.05	50.231	257.75
454.14	50.229	257.74
454.24	50.227	257.73
454.34	50.226	257.72
454.44	50.224	257.71
454.54	50.222	257.69
454.64	50.22	257.68
454.74	50.218	257.67
454.84	50.216	257.66
454.94	50.214	257.64
455.	50.213	
455.01		257.63
455.02	50.212	

455.05		
455.14	50.21	257.62
455.24	50.208	257.61
455.34	50.206	257.59
455.44	50.204	257.58
455.54	50.202	257.57
455.64	50.201	257.56
455.74	50.199	257.54
455.84	50.197	257.53
455.94	50.195	257.52
456.	50.194	257.51
456.01	50.193	
456.02		
456.05		257.5
456.14	50.191	257.49
456.24	50.189	257.48
456.34	50.187	257.47
456.44	50.185	257.46
456.54	50.183	257.44
456.64	50.181	257.43
456.74	50.179	257.42
456.84	50.177	257.41
456.94	50.176	257.39
457.	50.174	
457.01		
457.02		257.38
457.05	50.173	
457.14	50.172	257.37
457.24	50.17	257.36
457.34	50.168	257.34
457.44	50.166	257.33
457.54	50.164	257.32
457.64	50.162	257.31
457.74	50.16	257.3
457.84	50.158	257.28
457.94	50.157	257.27
458.	50.155	257.26
458.01		
458.02		
458.05	50.154	
458.14	50.153	257.25
458.24	50.151	257.23
458.34	50.149	257.22
458.44	50.147	257.21
458.54	50.145	257.2
458.64	50.143	257.18
458.74	50.141	257.17
458.84	50.14	257.16

458.94	50.138	257.15
459.	50.137	257.14
459.01	50.136	
459.02		
459.05		257.13
459.14	50.134	257.12
459.24	50.132	257.11
459.34	50.13	257.1
459.44	50.128	257.09
459.54	50.126	257.08
459.64	50.125	257.06
459.74	50.123	257.05
459.84	50.121	257.04
459.94	50.119	257.03
460.	50.118	257.02
460.01		
460.02	50.117	
460.05		257.01
460.14	50.115	257.
460.24	50.113	256.99
460.34	50.111	256.98
460.44	50.11	256.97
460.54	50.108	256.95
460.64	50.106	256.94
460.74	50.104	256.93
460.84	50.102	256.92
460.94	50.1	256.9
461.	50.099	
461.01		
461.02		256.89
461.05	50.098	
461.14	50.096	256.88
461.24	50.095	256.87
461.34	50.093	256.86
461.44	50.091	256.84
461.54	50.089	256.83
461.64	50.087	256.82
461.74	50.085	256.81
461.84	50.083	256.79
461.94	50.081	256.78
462.	50.08	
462.01		256.77
462.02		
462.05	50.079	
462.14	50.078	256.76
462.24	50.076	256.75
462.34	50.074	256.73
462.44	50.072	256.72

462.54	50.07	256.71
462.64	50.068	256.7
462.74	50.066	256.68
462.84	50.065	256.67
462.94	50.063	256.66
463.	50.062	256.65
463.01	50.061	
463.02		
463.05		
463.14	50.059	256.64
463.24	50.057	256.62
463.34	50.055	256.61
463.44	50.053	256.6
463.54	50.051	256.59
463.64	50.049	256.57
463.74	50.048	256.56
463.84	50.046	256.55
463.94	50.044	256.54
464.	50.043	256.53
464.01		
464.02	50.042	
464.05		256.52
464.14	50.04	256.51
464.24	50.038	256.5
464.34	50.036	256.49
464.44	50.035	256.48
464.54	50.033	256.47
464.64	50.031	256.45
464.74	50.029	256.44
464.84	50.027	256.43
464.94	50.025	256.42
465.	50.024	256.41
465.01		
465.02		
465.05	50.023	256.4
465.14	50.022	256.39
465.24	50.02	256.38
465.34	50.018	256.37
465.44	50.016	256.36
465.54	50.014	256.35
465.64	50.012	256.33
465.74	50.011	256.32
465.84	50.009	256.31
465.94	50.007	256.3
466.	50.006	256.29
466.01		
466.02	50.005	
466.05		256.28

466.14	50.003	256.27
466.24	50.001	256.26
466.34	50.	256.25
466.44	49.998	256.24
466.54	49.996	256.23
466.64	49.994	256.21
466.74	49.992	256.2
466.84	49.991	256.19
466.94	49.989	256.18
467.	49.988	256.17
467.01		
467.02	49.987	
467.05		
467.14	49.985	256.16
467.24	49.983	256.14
467.34	49.982	256.13
467.44	49.98	256.12
467.54	49.978	256.11
467.64	49.976	256.1
467.74	49.974	256.09
467.84	49.973	256.07
467.94	49.971	256.06
468.	49.97	
468.01		256.05
468.02	49.969	
468.05		
468.14	49.967	256.04
468.24	49.965	256.03
468.34	49.964	256.02
468.44	49.962	256.
468.54	49.96	255.99
468.64	49.958	255.98
468.74	49.956	255.97
468.84	49.955	255.96
468.94	49.953	255.95
469.	49.952	255.94
469.01		
469.02	49.951	
469.05		255.93
469.14	49.949	255.92
469.24	49.947	255.91
469.34	49.946	255.9
469.44	49.944	255.89
469.54	49.942	255.87
469.64	49.94	255.86
469.74	49.938	255.85
469.84	49.937	255.84
469.94	49.935	255.83

470.	49.934	255.82
470.01		
470.02	49.933	
470.05		
470.14	49.931	255.81
470.24	49.93	255.79
470.34	49.928	255.78
470.44	49.926	255.77
470.54	49.924	255.76
470.64	49.923	255.75
470.74	49.921	255.74
470.84	49.919	255.73
470.94	49.917	255.72
471.	49.916	255.71
471.01		
471.02		
471.05		255.7
471.14	49.914	255.69
471.24	49.912	255.68
471.34	49.911	255.67
471.44	49.909	255.66
471.54	49.907	255.65
471.64	49.905	255.64
471.74	49.904	255.63
471.84	49.902	255.61
471.94	49.9	255.6
472.	49.899	
472.01		
472.02		255.59
472.05	49.898	
472.14	49.897	255.58
472.24	49.895	255.57
472.34	49.894	255.56
472.44	49.892	255.55
472.54	49.89	255.54
472.64	49.889	255.53
472.74	49.887	255.52
472.84	49.885	255.5
472.94	49.884	255.49
473.	49.883	
473.01	49.882	
473.02		255.48
473.05		
473.14	49.88	255.47
473.24	49.879	255.46
473.34	49.877	255.45
473.44	49.875	255.44
473.54	49.874	255.43

473.64	49.872	255.42
473.74	49.87	255.41
473.84	49.869	255.4
473.94	49.867	255.39
474.	49.866	255.38
474.01		
474.02		
474.05	49.865	255.37
474.14	49.864	
474.24	49.862	255.36
474.34	49.861	255.34
474.44	49.859	255.33
474.54	49.858	255.32
474.64	49.856	255.31
474.74	49.855	255.3
474.84	49.853	255.29
474.94	49.852	255.28
475.	49.851	
475.01	49.85	
475.02		
475.05		255.27
475.14	49.848	255.26
475.24	49.847	255.25
475.34	49.845	255.24
475.44	49.844	255.23
475.54	49.842	255.22
475.64	49.841	255.21
475.74	49.839	255.2
475.84	49.838	255.19
475.94	49.836	255.18
476.	49.835	
476.01		
476.02		255.17
476.05		
476.14	49.833	255.16
476.24	49.832	255.15
476.34	49.83	255.14
476.44	49.829	255.13
476.54	49.827	255.12
476.64	49.826	255.11
476.74	49.824	255.1
476.84	49.823	255.09
476.94	49.821	255.08
477.	49.82	
477.01		255.07
477.02		
477.05		
477.14	49.818	255.06

477.24	49.817	255.05
477.34	49.815	255.04
477.44	49.814	255.03
477.54	49.812	255.02
477.64	49.811	255.01
477.74	49.809	255.
477.84	49.807	254.99
477.94	49.806	254.98
478.	49.805	254.97
478.01		
478.02		
478.05	49.804	
478.14	49.803	254.96
478.24	49.801	254.95
478.34	49.799	254.93
478.44	49.798	254.92
478.54	49.796	254.91
478.64	49.795	254.9
478.74	49.793	254.89
478.84	49.791	254.88
478.94	49.79	254.87
479.	49.789	254.86
479.01		
479.02	49.788	
479.05		
479.14	49.787	254.85
479.24	49.785	254.84
479.34	49.783	254.83
479.44	49.782	254.82
479.54	49.78	254.8
479.64	49.778	254.79
479.74	49.777	254.78
479.84	49.775	254.77
479.94	49.774	254.76
480.	49.773	254.75
480.01	49.772	
480.02		
480.05		
480.14	49.77	254.74
480.24	49.769	254.73
480.34	49.767	254.72
480.44	49.765	254.71
480.54	49.764	254.7
480.64	49.762	254.69
480.74	49.761	254.68
480.84	49.759	254.66
480.94	49.757	254.65
481.	49.756	

481.01		
481.02		
481.05		254.64
481.14	49.754	254.63
481.24	49.753	254.62
481.34	49.751	254.61
481.44	49.749	254.6
481.54	49.748	254.59
481.64	49.746	254.58
481.74	49.745	254.57
481.84	49.743	254.56
481.94	49.741	254.55
482.		254.54
482.01	49.74	
482.02		
482.05		
482.14	49.738	254.53
482.24	49.737	254.52
482.34	49.735	254.51
482.44	49.734	254.49
482.54	49.732	254.48
482.64	49.73	254.47
482.74	49.729	254.46
482.84	49.727	254.45
482.94	49.726	254.44
483.	49.725	
483.01		
483.02		
483.05	49.724	254.43
483.14	49.723	254.42
483.24	49.721	254.41
483.34	49.72	254.4
483.44	49.718	254.39
483.54	49.717	254.38
483.64	49.715	254.37
483.74	49.714	254.36
483.84	49.712	254.35
483.94	49.711	254.34
484.	49.71	
484.01		254.33
484.02	49.709	
484.05		
484.14	49.708	254.32
484.24	49.706	254.31
484.34	49.705	254.3
484.44	49.703	254.29
484.54	49.702	254.28
484.64	49.7	254.27

484.74	49.699	254.26
484.84	49.697	254.25
484.94	49.696	254.24
485.	49.695	254.23
485.01		
485.02	49.694	
485.05		
485.14	49.693	254.22
485.24	49.691	254.21
485.34	49.69	254.2
485.44	49.688	254.19
485.54	49.687	254.18
485.64	49.685	254.17
485.74	49.684	254.16
485.84	49.682	254.15
485.94	49.681	254.14
486.	49.68	254.13
486.01		
486.02	49.679	
486.05		
486.14	49.678	254.12
486.24	49.676	254.11
486.34	49.674	254.1
486.44	49.673	254.09
486.54	49.671	254.08
486.64	49.67	254.07
486.74	49.668	254.06
486.84	49.667	254.04
486.94	49.665	254.03
487.	49.664	
487.01		
487.02		
487.05		254.02
487.14	49.662	254.01
487.24	49.661	254.
487.34	49.659	253.99
487.44	49.658	253.98
487.54	49.656	253.97
487.64	49.654	253.96
487.74	49.653	253.95
487.84	49.651	253.94
487.94	49.65	253.93
488.	49.649	253.92
488.01		
488.02	49.648	
488.05		
488.14	49.647	253.91
488.24	49.645	253.9

488.34	49.643	253.89
488.44	49.642	253.88
488.54	49.64	253.86
488.64	49.639	253.85
488.74	49.637	253.84
488.84	49.636	253.83
488.94	49.634	253.82
489.	49.633	253.81
489.01		
489.02		
489.05	49.632	
489.14	49.631	253.8
489.24	49.629	253.79
489.34	49.628	253.78
489.44	49.626	253.77
489.54	49.624	253.75
489.64	49.623	253.74
489.74	49.621	253.73
489.84	49.619	253.72
489.94	49.618	253.71
490.	49.617	253.7
490.01		
490.02	49.616	
490.05		
490.14	49.614	253.69
490.24	49.613	253.67
490.34	49.611	253.66
490.44	49.609	253.65
490.54	49.608	253.64
490.64	49.606	253.63
490.74	49.604	253.62
490.84	49.602	253.6
490.94	49.601	253.59
491.	49.6	
491.01	49.599	253.58
491.02		
491.05		
491.14	49.597	253.57
491.24	49.596	253.56
491.34	49.594	253.55
491.44	49.592	253.53
491.54	49.59	253.52
491.64	49.589	253.51
491.74	49.587	253.5
491.84	49.585	253.49
491.94	49.583	253.47
492.	49.582	
492.01		

492.02		253.46
492.05	49.581	
492.14	49.58	253.45
492.24	49.578	253.44
492.34	49.576	253.43
492.44	49.575	253.41
492.54	49.573	253.4
492.64	49.571	253.39
492.74	49.569	253.38
492.84	49.567	253.37
492.94	49.566	253.35
493.	49.565	
493.01	49.564	
493.02		253.34
493.05		
493.14	49.562	253.33
493.24	49.56	253.32
493.34	49.559	253.31
493.44	49.557	253.29
493.54	49.555	253.28
493.64	49.553	253.27
493.74	49.552	253.26
493.84	49.55	253.25
493.94	49.548	253.23
494.	49.547	
494.01		
494.02		253.22
494.05	49.546	
494.14	49.545	253.21
494.24	49.543	253.2
494.34	49.541	253.19
494.44	49.539	253.17
494.54	49.537	253.16
494.64	49.536	253.15
494.74	49.534	253.14
494.84	49.532	253.13
494.94	49.53	253.11
495.	49.529	
495.01		
495.02		253.1
495.05	49.528	
495.14	49.527	253.09
495.24	49.525	253.08
495.34	49.523	253.07
495.44	49.521	253.05
495.54	49.52	253.04
495.64	49.518	253.03
495.74	49.516	253.02

495.84	49.514	253.01
495.94	49.513	252.99
496.	49.512	
496.01	49.511	252.98
496.02		
496.05		
496.14	49.509	252.97
496.24	49.507	252.96
496.34	49.505	252.94
496.44	49.504	252.93
496.54	49.502	252.92
496.64	49.5	252.91
496.74	49.498	252.9
496.84	49.497	252.88
496.94	49.495	252.87
497.	49.494	
497.01		252.86
497.02	49.493	
497.05		
497.14	49.491	252.85
497.24	49.489	252.84
497.34	49.488	252.82
497.44	49.486	252.81
497.54	49.484	252.8
497.64	49.482	252.79
497.74	49.481	252.78
497.84	49.479	252.76
497.94	49.477	252.75
498.	49.476	252.74
498.01		
498.02		
498.05	49.475	
498.14	49.473	252.73
498.24	49.472	252.72
498.34	49.47	252.7
498.44	49.468	252.69
498.54	49.466	252.68
498.64	49.465	252.67
498.74	49.463	252.66
498.84	49.461	252.64
498.94	49.459	252.63
499.	49.458	252.62
499.01		
499.02		
499.05	49.457	
499.14	49.456	252.61
499.24	49.454	252.6
499.34	49.452	252.58

499.44	49.451	252.57
499.54	49.449	252.56
499.64	49.447	252.55
499.74	49.445	252.54
499.84	49.444	252.52
499.94	49.442	252.51
500.	49.441	252.5
500.01		
500.02	49.44	
500.05		
500.14	49.438	252.49
500.24	49.437	252.48
500.34	49.435	252.46
500.44	49.433	252.45
500.54	49.431	252.44
500.64	49.43	252.43
500.74	49.428	252.42
500.84	49.426	252.4
500.94	49.424	252.39
501.	49.423	
501.01		252.38
501.02		
501.05		
501.14	49.421	252.37
501.24	49.419	252.36
501.34	49.418	252.35
501.44	49.416	252.33
501.54	49.414	252.32
501.64	49.412	252.31
501.74	49.411	252.3
501.84	49.409	252.29
501.94	49.407	252.27
502.	49.406	
502.01		
502.02		
502.05	49.405	252.26
502.14	49.404	252.25
502.24	49.402	252.24
502.34	49.4	252.23
502.44	49.399	252.22
502.54	49.397	252.21
502.64	49.395	252.19
502.74	49.394	252.18
502.84	49.392	252.17
502.94	49.39	252.16
503.	49.389	252.15
503.01		
503.02		

503.05	49.388	
503.14	49.387	252.14
503.24	49.385	252.12
503.34	49.384	252.11
503.44	49.382	252.1
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503.64	49.379	252.08
503.74	49.377	252.07
503.84	49.375	252.06
503.94	49.374	252.04
504.	49.373	
504.01	49.372	
504.02		252.03
504.05		
504.14	49.37	252.02
504.24	49.369	252.01
504.34	49.367	252.
504.44	49.365	251.99
504.54	49.364	251.98
504.64	49.362	251.96
504.74	49.36	251.95
504.84	49.359	251.94
504.94	49.357	251.93
505.	49.356	251.92
505.01		
505.02		
505.05	49.355	
505.14	49.354	251.91
505.24	49.352	251.9
505.34	49.351	251.89
505.44	49.349	251.87
505.54	49.347	251.86
505.64	49.346	251.85
505.74	49.344	251.84
505.84	49.343	251.83
505.94	49.341	251.82
506.	49.34	251.81
506.01		
506.02		
506.05	49.339	
506.14	49.338	251.8
506.24	49.336	251.78
506.34	49.334	251.77
506.44	49.333	251.76
506.54	49.331	251.75
506.64	49.33	251.74
506.74	49.328	251.73
506.84	49.326	251.72

506.94	49.325	251.71
507.	49.324	251.7
507.01		
507.02	49.323	
507.05		251.69
507.14	49.322	251.68
507.24	49.32	251.67
507.34	49.318	251.66
507.44	49.317	251.65
507.54	49.315	251.64
507.64	49.314	251.63
507.74	49.312	251.62
507.84	49.31	251.6
507.94	49.309	251.59
508.	49.308	
508.01		
508.02	49.307	251.58
508.05		
508.14	49.306	251.57
508.24	49.304	251.56
508.34	49.302	251.55
508.44	49.301	251.54
508.54	49.299	251.53
508.64	49.298	251.52
508.74	49.296	251.5
508.84	49.294	251.49
508.94	49.293	251.48
509.	49.292	
509.01		251.47
509.02		
509.05	49.291	
509.14	49.29	251.46
509.24	49.288	251.45
509.34	49.287	251.44
509.44	49.285	251.43
509.54	49.283	251.42
509.64	49.282	251.41
509.74	49.28	251.39
509.84	49.279	251.38
509.94	49.277	251.37
510.	49.276	
510.01		251.36
510.02		
510.05	49.275	
510.14	49.274	251.35
510.24	49.272	251.34
510.34	49.271	251.33
510.44	49.269	251.32

510.54	49.268	251.31
510.64	49.266	251.3
510.74	49.265	251.29
510.84	49.263	251.27
510.94	49.262	251.26
511.	49.261	
511.01		
511.02	49.26	251.25
511.05		
511.14	49.259	251.24
511.24	49.257	251.23
511.34	49.255	251.22
511.44	49.254	251.21
511.54	49.252	251.2
511.64	49.251	251.19
511.74	49.249	251.17
511.84	49.248	251.16
511.94	49.246	251.15
512.	49.245	
512.01		251.14
512.02		
512.05	49.244	
512.14	49.243	251.13
512.24	49.241	251.12
512.34	49.24	251.11
512.44	49.238	251.1
512.54	49.236	251.09
512.64	49.235	251.07
512.74	49.233	251.06
512.84	49.232	251.05
512.94	49.23	251.04
513.	49.229	251.03
513.01		
513.02		
513.05	49.228	
513.14	49.227	251.02
513.24	49.225	251.01
513.34	49.224	251.
513.44	49.222	250.99
513.54	49.221	250.97
513.64	49.219	250.96
513.74	49.217	250.95
513.84	49.216	250.94
513.94	49.214	250.93
514.	49.213	250.92
514.01		
514.02		
514.05		

514.14	49.211	250.91
514.24	49.21	250.9
514.34	49.208	250.89
514.44	49.207	250.88
514.54	49.205	250.87
514.64	49.204	250.86
514.74	49.202	250.85
514.84	49.201	250.83
514.94	49.199	250.82
515.	49.198	
515.01		
515.02		
515.05	49.197	250.81
515.14	49.196	250.8
515.24	49.195	250.79
515.34	49.193	250.78
515.44	49.192	250.77
515.54	49.19	250.76
515.64	49.189	250.75
515.74	49.187	250.74
515.84	49.186	250.73
515.94	49.184	250.72
516.	49.183	250.71
516.01		
516.02		
516.05		
516.14	49.181	250.7
516.24	49.18	250.69
516.34	49.178	250.68
516.44	49.177	250.66
516.54	49.175	250.65
516.64	49.174	250.64
516.74	49.172	250.63
516.84	49.171	250.62
516.94	49.169	250.61
517.	49.168	250.6
517.01		
517.02		
517.05		
517.14	49.166	250.59
517.24	49.165	250.58
517.34	49.163	250.57
517.44	49.162	250.56
517.54	49.16	250.55
517.64	49.159	250.54
517.74	49.157	250.53
517.84	49.156	250.51
517.94	49.154	250.5

518.	49.153	
518.01		
518.02		
518.05		250.49
518.14	49.151	250.48
518.24	49.15	250.47
518.34	49.148	250.46
518.44	49.147	250.45
518.54	49.145	250.44
518.64	49.144	250.43
518.74	49.142	250.42
518.84	49.141	250.41
518.94	49.139	250.4
519.	49.138	250.39
519.01		
519.02		
519.05		250.38
519.14	49.136	
519.24	49.135	250.36
519.34	49.133	250.35
519.44	49.132	250.34
519.54	49.13	250.33
519.64	49.129	250.32
519.74	49.127	250.31
519.84	49.126	250.3
519.94	49.124	250.29
520.		250.28
520.01	49.123	
520.02		
520.05		
520.14	49.122	250.27
520.24	49.12	250.26
520.34	49.119	250.25
520.44	49.117	250.24
520.54	49.116	250.23
520.64	49.114	250.22
520.74	49.113	250.2
520.84	49.111	250.19
520.94	49.11	250.18
521.	49.109	
521.01		
521.02		250.17
521.05	49.108	
521.14	49.107	250.16
521.24	49.105	250.15
521.34	49.104	250.14
521.44	49.102	250.13
521.54	49.101	250.12

521.64	49.099	250.11
521.74	49.098	250.1
521.84	49.096	250.09
521.94	49.095	250.08
522.	49.094	250.07
522.01		
522.02		
522.05	49.093	
522.14	49.092	250.06
522.24	49.091	250.04
522.34	49.089	250.03
522.44	49.088	250.02
522.54	49.086	250.01
522.64	49.085	250.
522.74	49.083	249.99
522.84	49.082	249.98
522.94	49.08	249.97
523.	49.079	249.96
523.01		
523.02		
523.05		
523.14	49.077	249.95
523.24	49.076	249.94
523.34	49.074	249.93
523.44	49.073	249.92
523.54	49.072	249.91
523.64	49.07	249.9
523.74	49.069	249.89
523.84	49.067	249.88
523.94	49.066	249.86
524.	49.065	
524.01		
524.02		
524.05	49.064	249.85
524.14	49.063	249.84
524.24	49.061	249.83
524.34	49.06	249.82
524.44	49.058	249.81
524.54	49.057	249.8
524.64	49.056	249.79
524.74	49.054	249.78
524.84	49.053	249.77
524.94	49.051	249.76
525.	49.05	249.75
525.01		
525.02		
525.05	49.049	
525.14	49.048	249.74

525.24	49.047	249.73
525.34	49.045	249.72
525.44	49.044	249.7
525.54	49.042	249.69
525.64	49.041	249.68
525.74	49.039	249.67
525.84	49.038	249.66
525.94	49.036	249.65
526.	49.035	249.64
526.01		
526.02		
526.05		
526.14	49.033	249.63
526.24	49.032	249.62
526.34	49.03	249.61
526.44	49.029	249.6
526.54	49.028	249.59
526.64	49.026	249.58
526.74	49.025	249.57
526.84	49.023	249.56
526.94	49.022	249.54
527.	49.021	
527.01		
527.02		
527.05	49.02	249.53
527.14	49.019	249.52
527.24	49.017	249.51
527.34	49.016	249.5
527.44	49.014	249.49
527.54	49.013	249.48
527.64	49.011	249.47
527.74	49.01	249.46
527.84	49.009	249.45
527.94	49.007	249.44
528.	49.006	249.43
528.01		
528.02		
528.05	49.005	
528.14	49.004	249.42
528.24	49.003	249.41
528.34	49.001	249.4
528.44	49.	249.38
528.54	48.998	249.37
528.64	48.997	249.36
528.74	48.995	249.35
528.84	48.994	249.34
528.94	48.992	249.33
529.		

529.01	48.991	249.32
529.02		
529.05		
529.14	48.989	249.31
529.24	48.988	249.3
529.34	48.987	249.29
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529.54	48.984	249.27
529.64	48.982	249.26
529.74	48.981	249.25
529.84	48.979	249.24
529.94	48.978	249.23
530.	48.977	249.22
530.01		
530.02		
530.05	48.976	249.21
530.14	48.975	249.2
530.24	48.973	249.19
530.34	48.972	249.18
530.44	48.971	249.17
530.54	48.969	249.16
530.64	48.968	249.15
530.74	48.966	249.14
530.84	48.965	249.13
530.94	48.963	249.12
531.	48.962	249.11
531.01		
531.02		
531.05		
531.14	48.96	249.1
531.24	48.959	249.09
531.34	48.957	249.08
531.44	48.956	249.07
531.54	48.955	249.05
531.64	48.953	249.04
531.74	48.952	249.03
531.84	48.95	249.02
531.94	48.949	249.01
532.	48.948	249.
532.01		
532.02		
532.05	48.947	
532.14	48.946	248.99
532.24	48.944	248.98
532.34	48.943	248.97
532.44	48.942	248.96
532.54	48.94	248.95
532.64	48.939	248.94

532.74	48.937	248.93
532.84	48.936	248.92
532.94	48.934	248.9
533.	48.933	
533.01		
533.02		
533.05		248.89
533.14	48.931	248.88
533.24	48.93	248.87
533.34	48.929	248.86
533.44	48.927	248.85
533.54	48.926	248.84
533.64	48.924	248.83
533.74	48.923	248.82
533.84	48.921	248.81
533.94	48.92	248.8
534.	48.919	248.79
534.01		
534.02		
534.05	48.918	
534.14	48.917	248.78
534.24	48.916	248.77
534.34	48.914	248.76
534.44	48.913	248.74
534.54	48.911	248.73
534.64	48.91	248.72
534.74	48.908	248.71
534.84	48.907	248.7
534.94	48.906	248.69
535.	48.905	
535.01		248.68
535.02	48.904	
535.05		
535.14	48.903	248.67
535.24	48.901	248.66
535.34	48.9	248.65
535.44	48.898	248.64
535.54	48.897	248.63
535.64	48.896	248.62
535.74	48.894	248.61
535.84	48.893	248.6
535.94	48.891	248.59
536.		248.58
536.01	48.89	
536.02		
536.05		248.57
536.14	48.889	248.56
536.24	48.887	248.55

536.34	48.886	248.54
536.44	48.884	248.53
536.54	48.883	248.52
536.64	48.881	248.51
536.74	48.88	248.5
536.84	48.879	248.49
536.94	48.877	248.48
537.	48.876	248.47
537.01		
537.02		
537.05		
537.14	48.874	248.46
537.24	48.873	248.45
537.34	48.872	248.44
537.44	48.87	248.43
537.54	48.869	248.42
537.64	48.867	248.41
537.74	48.866	248.39
537.84	48.864	248.38
537.94	48.863	248.37
538.	48.862	
538.01		
538.02		
538.05		248.36
538.14	48.86	248.35
538.24	48.859	248.34
538.34	48.857	248.33
538.44	48.856	248.32
538.54	48.855	248.31
538.64	48.853	248.3
538.74	48.852	248.29
538.84	48.85	248.28
538.94	48.849	248.27
539.	48.848	248.26
539.01		
539.02		
539.05	48.847	
539.14	48.846	248.25
539.24	48.845	248.24
539.34	48.843	248.22
539.44	48.842	248.21
539.54	48.84	248.2
539.64	48.839	248.19
539.74	48.838	248.18
539.84	48.836	248.17
539.94	48.835	248.16
540.	48.834	248.15
540.01		

540.02		
540.05	48.833	
540.14	48.832	248.14
540.24	48.831	248.13
540.34	48.829	248.12
540.44	48.828	248.11
540.54	48.826	248.1
540.64	48.825	248.09
540.74	48.824	248.08
540.84	48.822	248.07
540.94	48.821	
541.		
541.01	48.82	248.05
541.02		
541.05	48.819	248.04
541.14	48.818	248.03
541.24	48.817	248.02
541.34	48.815	248.01
541.44	48.814	248.
541.54	48.812	247.99
541.64	48.811	247.98
541.74	48.81	247.97
541.84	48.808	247.96
541.94	48.807	247.95
542.		
542.01	48.806	247.94
542.02		
542.05	48.805	
542.14	48.804	247.93
542.24	48.803	247.92
542.34	48.801	247.91
542.44	48.8	247.9
542.54	48.799	247.89
542.64	48.797	247.88
542.74	48.796	247.87
542.84	48.794	247.85
542.94	48.793	
543.		
543.01	48.792	247.84
543.02		
543.05	48.791	247.83
543.14	48.79	247.82
543.24	48.789	247.81
543.34	48.788	247.8
543.44	48.786	247.79
543.54	48.785	247.78
543.64	48.783	247.77
543.74	48.782	247.76

543.84	48.781	247.75
543.94	48.779	247.74
544.		247.73
544.01	48.778	
544.02		
544.05		
544.14	48.777	247.72
544.24	48.775	247.71
544.34	48.774	247.7
544.44	48.773	247.69
544.54	48.771	247.68
544.64	48.77	247.67
544.74	48.769	247.66
544.84	48.767	247.65
544.94	48.766	247.64
545.	48.765	247.63
545.01		
545.02		
545.05	48.764	
545.14	48.763	247.62
545.24	48.762	247.61
545.34	48.76	247.6
545.44	48.759	247.59
545.54	48.758	247.58
545.64	48.757	247.57
545.74	48.755	247.56
545.84	48.754	247.55
545.94	48.753	247.53
546.	48.752	
546.01		
546.02	48.751	
546.05		247.52
546.14	48.75	247.51
546.24	48.749	247.5
546.34	48.747	247.49
546.44	48.746	247.48
546.54	48.745	247.47
546.64	48.743	247.46
546.74	48.742	247.45
546.84	48.741	247.44
546.94	48.739	247.43
547.	48.738	
547.01		
547.02		247.42
547.05		
547.14	48.737	247.41
547.24	48.735	247.4
547.34	48.734	247.39

547.44	48.732	247.38
547.54	48.731	247.37
547.64	48.73	247.36
547.74	48.728	247.35
547.84	48.727	247.34
547.94	48.726	247.33
548.	48.725	247.32
548.01		
548.02		
548.05	48.724	
548.14	48.723	247.31
548.24	48.722	247.3
548.34	48.72	247.29
548.44	48.719	247.28
548.54	48.718	247.27
548.64	48.716	247.26
548.74	48.715	247.25
548.84	48.714	247.24
548.94	48.712	247.23
549.		247.22
549.01		
549.02	48.711	
549.05		
549.14	48.71	247.21
549.24	48.708	247.2
549.34	48.707	247.19
549.44	48.706	247.18
549.54	48.705	247.17
549.64	48.703	247.16
549.74	48.702	247.15
549.84	48.701	247.14
549.94	48.699	247.13
550.	48.698	247.12
550.01		
550.02		
550.05		247.11
550.14	48.697	
550.24	48.695	247.09
550.34	48.694	247.08
550.44	48.693	247.07
550.54	48.691	247.06
550.64	48.69	247.05
550.74	48.689	247.04
550.84	48.687	247.03
550.94	48.686	247.02
551.	48.685	
551.01		
551.02		247.01

551.05	48.684	
551.14	48.683	247.
551.24	48.682	246.99
551.34	48.681	246.98
551.44	48.679	246.97
551.54	48.678	246.96
551.64	48.677	246.95
551.74	48.675	246.94
551.84	48.674	246.93
551.94	48.673	246.92
552.	48.672	246.91
552.01		
552.02		
552.05	48.671	
552.14	48.67	246.9
552.24	48.669	246.89
552.34	48.667	246.88
552.44	48.666	246.87
552.54	48.665	246.86
552.64	48.663	246.85
552.74	48.662	246.84
552.84	48.661	246.83
552.94	48.659	246.82
553.	48.658	246.81
553.01		
553.02		
553.05		246.8
553.14	48.657	
553.24	48.655	246.78
553.34	48.654	246.77
553.44	48.653	246.76
553.54	48.651	246.75
553.64	48.65	246.74
553.74	48.649	246.73
553.84	48.647	246.72
553.94	48.646	246.71
554.	48.645	
554.01		
554.02		
554.05		246.7
554.14	48.644	246.69
554.24	48.642	246.68
554.34	48.641	246.67
554.44	48.64	246.66
554.54	48.638	246.65
554.64	48.637	246.64
554.74	48.636	246.63
554.84	48.634	246.62

554.94	48.633	246.61
555.	48.632	
555.05		246.6
555.1	48.631	246.59
555.25	48.629	246.58
555.7	48.623	246.53
556.2	48.617	246.48
556.7	48.61	246.44
557.2	48.604	246.39
557.7	48.598	246.34
558.2	48.592	246.29
558.7	48.586	246.24
559.2	48.58	246.2
559.7	48.574	246.15
560.	48.571	246.12
560.05	48.57	
560.1		
560.25	48.568	246.1
560.7	48.563	246.06
561.2	48.557	246.02
561.7	48.552	245.97
562.2	48.546	245.93
562.7	48.54	245.88
563.2	48.535	245.84
563.7	48.529	245.79
564.2	48.523	245.75
564.7	48.518	245.7
565.	48.515	245.67
565.05	48.514	
565.1	48.513	245.66
565.25	48.512	245.65
565.7	48.507	245.61
566.2	48.501	245.57
566.7	48.496	245.52
567.2	48.49	245.48
567.7	48.484	245.43
568.2	48.479	245.39
568.7	48.473	245.34
569.2	48.468	245.3
569.7	48.462	245.25
570.	48.459	245.22
570.05	48.458	
570.1		245.21
570.25	48.456	245.2
570.7	48.451	245.16
571.2	48.446	245.12
571.7	48.44	245.07
572.2	48.435	245.03

572.7	48.429	244.98
573.2	48.424	244.94
573.7	48.418	244.89
574.2	48.413	244.85
574.7	48.407	244.8
575.	48.404	244.77
575.05	48.403	
575.1		244.76
575.25	48.401	244.75
575.7	48.396	244.71
576.2	48.391	244.67
576.7	48.385	244.62
577.2	48.38	244.58
577.7	48.374	244.53
578.2	48.369	244.49
578.7	48.363	244.44
579.2	48.358	244.4
579.7	48.352	244.35
580.	48.349	244.32
580.05		
580.1	48.348	
580.25	48.346	244.3
580.7	48.342	244.26
581.2	48.336	244.22
581.7	48.331	244.17
582.2	48.325	244.13
582.7	48.32	244.08
583.2	48.315	244.04
583.7	48.309	243.99
584.2	48.304	243.95
584.7	48.298	243.9
585.	48.295	243.88
585.05		243.87
585.1	48.294	
585.25	48.292	243.85
585.7	48.288	243.81
586.2	48.282	243.77
586.7	48.277	243.72
587.2	48.271	243.68
587.7	48.266	243.63
588.2	48.261	243.59
588.7	48.255	243.55
589.2	48.25	243.5
589.7	48.245	243.46
590.	48.241	243.43
590.05		243.42
590.1	48.24	
590.25	48.239	243.41

590.7	48.234	243.37
591.2	48.229	243.32
591.7	48.223	243.28
592.2	48.218	243.23
592.7	48.213	243.19
593.2	48.207	243.14
593.7	48.202	243.1
594.2	48.197	243.05
594.7	48.192	243.01
595.	48.188	242.98
595.05		
595.1	48.187	242.97
595.25	48.186	242.96
595.7	48.181	242.92
596.2	48.176	242.87
596.7	48.17	242.83
597.2	48.165	242.79
597.7	48.16	242.74
598.2	48.155	242.7
598.7	48.149	242.65
599.2	48.144	242.61
599.7	48.139	242.56
600.	48.136	242.54
601.	48.125	242.45
602.	48.115	242.36
605.	48.083	242.09
614.	47.991	241.29
624.	47.891	240.4
634.	47.791	239.52
644.	47.693	238.63
654.	47.597	237.75
664.	47.501	236.87
674.	47.407	235.99
684.	47.314	235.11
694.	47.222	234.24
700.	47.167	233.71
701.	47.158	233.62
702.	47.149	233.53
705.	47.122	233.27
714.	47.041	232.48
724.	46.952	231.61
734.	46.865	230.73
744.	46.778	229.86
754.	46.69	228.98
764.	46.555	228.11
774.	46.422	227.24
784.	46.288	226.37
794.	46.156	225.49

800.	46.077	224.97
801.	46.064	224.88
802.	46.05	224.8
805.	46.011	224.54
814.	45.893	223.75
824.	45.763	222.88
834.	45.633	222.01
844.	45.505	221.14
854.	45.377	220.28
864.	45.249	219.41
874.	45.122	218.54
884.	44.996	217.68
894.	44.871	216.81
900.	44.796	216.29
901.	44.784	216.21
902.	44.771	216.12
905.	44.734	215.86
914.	44.622	215.09
924.	44.499	214.23
934.	44.376	213.37
944.	44.254	212.51
954.	44.132	211.65
964.	44.011	210.79
974.	43.891	209.94
984.	43.771	209.09
994.	43.652	208.23
1000.	43.581	207.72
1002.	43.557	207.55
1004.	43.533	207.38
1010.	43.462	206.88
1028.	43.252	205.36
1048.	43.021	203.67
1068.	42.792	202.
1088.	42.565	200.34
1108.	42.341	198.69
1128.	42.118	197.04
1148.	41.898	195.41
1168.	41.68	193.79
1188.	41.464	192.18
1200.	41.335	191.22
1202.	41.313	191.06
1204.	41.292	190.9
1210.	41.227	190.42
1228.	41.036	188.99
1248.	40.826	187.42
1268.	40.618	185.85
1288.	40.412	184.31
1308.	40.208	182.77

1328.	40.006	181.25
1348.	39.806	179.74
1368.	39.607	178.24
1388.	39.411	176.76
1400.	39.293	175.87
1402.	39.274	175.72
1404.	39.254	175.58
1410.	39.196	175.14
1428.	39.022	173.83
1448.	38.831	172.38
1468.	38.641	170.95
1488.	38.454	169.54
1508.	38.268	168.14
1528.	38.083	166.75
1548.	37.901	165.37
1568.	37.72	164.01
1588.	37.541	162.66
1600.	37.434	161.86
1602.	37.416	161.73
1604.	37.398	161.59
1610.	37.345	161.19
1628.	37.186	160.
1648.	37.012	158.7
1668.	36.839	157.4
1688.	36.668	156.12
1708.	36.498	154.85
1728.	36.33	153.6
1748.	36.164	152.36
1768.	35.999	151.13
1788.	35.835	149.91
1800.	35.737	149.18
1802.	35.721	149.06
1804.	35.705	148.94
1810.	35.656	148.58
1828.	35.511	147.51
1848.	35.352	146.33
1868.	35.195	145.16
1888.	35.038	144.01
1908.	34.883	142.87
1928.	34.73	141.74
1948.	34.578	140.62
1968.	34.427	139.52
1988.	34.278	138.43
2000.	34.189	137.78
2002.	34.174	137.67
2004.	34.159	137.56
2010.	34.114	137.23
2028.	33.982	136.27

2048.	33.837	135.21
2068.	33.693	134.17
2088.	33.55	133.13
2108.	33.409	132.11
2128.	33.269	131.09
2148.	33.13	130.09
2168.	32.992	129.09
2188.	32.855	128.11
2200.	32.774	127.53
2202.	32.76	127.43
2204.	32.747	127.33
2210.	32.706	127.04
2228.	32.585	126.17
2248.	32.453	125.22
2268.	32.321	124.27
2288.	32.19	123.34
2308.	32.061	122.41
2328.	31.933	121.5
2348.	31.806	120.59
2368.	31.68	119.69
2388.	31.555	118.81
2400.	31.481	118.27
2402.	31.469	118.19
2404.	31.456	118.1
2410.	31.419	117.83
2428.	31.309	117.05
2448.	31.187	116.19
2468.	31.067	115.33
2488.	30.948	114.49
2508.	30.829	113.65
2528.	30.712	112.82
2548.	30.596	112.
2568.	30.481	111.19
2588.	30.367	110.38
2600.	30.299	109.9
2602.	30.287	109.82
2604.	30.276	109.74
2610.	30.242	109.5
2628.	30.141	108.79
2648.	30.03	108.01
2668.	29.92	107.24
2688.	29.811	106.47
2708.	29.703	105.71
2728.	29.596	104.96
2748.	29.49	104.22
2768.	29.384	103.48
2788.	29.28	102.75
2800.	29.218	102.32

2802.	29.207	102.24
2804.	29.197	102.17
2810.	29.166	101.95
2828.	29.074	101.31
2848.	28.972	100.6
2868.	28.871	99.9
2888.	28.772	99.206
2908.	28.673	98.521
2928.	28.575	97.843
2948.	28.478	97.171
2968.	28.381	96.505
2988.	28.286	95.846
3000.	28.229	95.453
3002.	28.219	95.387
3004.	28.21	95.322
3010.	28.181	95.126
3028.	28.097	94.544
3048.	28.004	93.903
3068.	27.912	93.269
3088.	27.821	92.641
3108.	27.73	92.018
3128.	27.64	91.401
3148.	27.551	90.79
3168.	27.463	90.185
3188.	27.376	89.586
3200.	27.324	89.228
3202.	27.315	89.168
3204.	27.306	89.109
3210.	27.28	88.93
3228.	27.203	88.401
3248.	27.118	87.818
3268.	27.034	87.241
3288.	26.95	86.668
3308.	26.867	86.102
3328.	26.785	85.54
3348.	26.704	84.984
3368.	26.623	84.433
3388.	26.543	83.886
3400.	26.496	83.56
3402.	26.488	83.506
3404.	26.48	83.452
3410.	26.456	83.29
3428.	26.385	82.807
3448.	26.307	82.276
3468.	26.23	81.749
3488.	26.154	81.228
3508.	26.078	80.711
3528.	26.003	80.199

3548.	25.928	79.692
3568.	25.855	79.189
3588.	25.781	78.691
3600.	25.738	78.396
3602.	25.73	78.346
3604.	25.723	78.297
3610.	25.701	78.15
3628.	25.637	77.712
3648.	25.566	77.23
3668.	25.495	76.752
3688.	25.425	76.278
3708.	25.356	75.809
3728.	25.287	75.344
3748.	25.219	74.883
3768.	25.151	74.426
3788.	25.084	73.973
3800.	25.044	73.702
3802.	25.038	73.657
3804.	25.031	73.612
3810.	25.011	73.478
3828.	24.952	73.077
3848.	24.887	72.636
3868.	24.822	72.199
3888.	24.758	71.766
3908.	24.695	71.337
3928.	24.632	70.911
3948.	24.569	70.489
3968.	24.507	70.071
3988.	24.446	69.657
4000.	24.409	69.409
4002.	24.403	69.368
4004.	24.397	69.327
4010.	24.379	69.204
4028.	24.325	68.837
4048.	24.265	68.433
4068.	24.206	68.033
4088.	24.147	67.636
4108.	24.089	67.243
4128.	24.032	66.853
4148.	23.974	66.467
4168.	23.918	66.084
4188.	23.862	65.705
4200.	23.828	65.48
4202.	23.822	65.442
4204.	23.817	65.404
4210.	23.8	65.292
4228.	23.75	64.958
4248.	23.696	64.59

4268.	23.642	64.225
4288.	23.588	63.864
4308.	23.535	63.505
4328.	23.482	63.149
4348.	23.429	62.797
4368.	23.378	62.447
4388.	23.326	62.101
4400.	23.295	61.894
4402.	23.29	61.859
4404.	23.285	61.825
4410.	23.27	61.722
4428.	23.224	61.415
4448.	23.174	61.077
4468.	23.125	60.742
4488.	23.075	60.41
4508.	23.026	60.081
4528.	22.978	59.754
4548.	22.93	59.43
4568.	22.883	59.109
4588.	22.835	58.791
4600.	22.807	58.6
4602.	22.802	58.569
4604.	22.798	58.537
4610.	22.784	58.442
4628.	22.742	58.161
4648.	22.696	57.85
4668.	22.651	57.542
4688.	22.605	57.237
4708.	22.561	56.934
4728.	22.516	56.634
4748.	22.472	56.338
4768.	22.429	56.045
4788.	22.385	55.753
4800.	22.36	55.579
4802.	22.355	55.55
4804.	22.351	55.521
4810.	22.338	55.435
4828.	22.3	55.177
4848.	22.258	54.893
4868.	22.216	54.611
4888.	22.175	54.332
4908.	22.133	54.055
4928.	22.093	53.78
4948.	22.052	53.507
4968.	22.012	53.237
4988.	21.973	52.968
5000.	21.949	52.808
5002.	21.945	52.782

5004.	21.941	52.755
5010.	21.929	52.675
5028.	21.894	52.438
5048.	21.856	52.176
5068.	21.817	51.916
5088.	21.779	51.659
5108.	21.742	51.404
5128.	21.704	51.15
5148.	21.667	50.899
5168.	21.63	50.65
5188.	21.594	50.403
5200.	21.572	50.255
5202.	21.569	50.23
5204.	21.565	50.206
5210.	21.554	50.132
5228.	21.522	49.914
5248.	21.486	49.674
5268.	21.451	49.436
5288.	21.416	49.2
5308.	21.382	48.966
5328.	21.348	48.733
5348.	21.314	48.503
5368.	21.28	48.274
5388.	21.246	48.047
5400.	21.226	47.912
5402.	21.223	47.889
5404.	21.22	47.867
5410.	21.21	47.799
5428.	21.18	47.598
5448.	21.148	47.377
5468.	21.115	47.157
5488.	21.083	46.939
5508.	21.052	46.723
5528.	21.02	46.508
5548.	20.989	46.296
5568.	20.958	46.085
5588.	20.927	45.875
5600.	20.909	45.75
5602.	20.906	45.729
5604.	20.903	45.708
5610.	20.894	45.646
5628.	20.866	45.46
5648.	20.837	45.256
5668.	20.807	45.053
5688.	20.777	44.852
5708.	20.748	44.652
5728.	20.719	44.455
5748.	20.691	44.26

5768.	20.662	44.065
5788.	20.634	43.873
5800.	20.617	43.758
5802.	20.614	43.739
5804.	20.612	43.72
5810.	20.603	43.662
5828.	20.578	43.492
5848.	20.551	43.304
5868.	20.523	43.117
5888.	20.496	42.932
5908.	20.47	42.748
5928.	20.443	42.566
5948.	20.417	42.385
5968.	20.391	42.206
5988.	20.365	42.027
6000.	20.349	41.921
6002.	20.347	41.903
6004.	20.344	41.886
6010.	20.336	41.833
6028.	20.313	41.675
6048.	20.288	41.501
6068.	20.263	41.328
6088.	20.238	41.157
6108.	20.213	40.987
6128.	20.189	40.818
6148.	20.165	40.651
6168.	20.141	40.485
6188.	20.117	40.321
6200.	20.103	40.223
6202.	20.1	40.207
6204.	20.098	40.19
6210.	20.091	40.142
6228.	20.07	39.996
6248.	20.047	39.836
6268.	20.023	39.677
6288.	20.001	39.519
6308.	19.978	39.363
6328.	19.955	39.207
6348.	19.933	39.053
6368.	19.911	38.9
6388.	19.889	38.748
6400.	19.876	38.657
6402.	19.874	38.642
6404.	19.872	38.627
6410.	19.865	38.582
6428.	19.846	38.447
6448.	19.824	38.299
6468.	19.803	38.151

6488.	19.782	38.005
6508.	19.761	37.86
6528.	19.741	37.716
6548.	19.72	37.573
6568.	19.7	37.431
6588.	19.68	37.29
6600.	19.668	37.206
6602.	19.666	37.192
6604.	19.664	37.178
6610.	19.658	37.137
6628.	19.64	37.013
6648.	19.62	36.876
6668.	19.6	36.74
6688.	19.581	36.605
6708.	19.562	36.471
6728.	19.543	36.338
6748.	19.524	36.206
6768.	19.505	36.075
6788.	19.487	35.945
6800.	19.476	35.868
6802.	19.474	35.855
6804.	19.472	35.842
6810.	19.466	35.803
6828.	19.45	35.688
6848.	19.432	35.561
6868.	19.414	35.435
6888.	19.396	35.31
6908.	19.378	35.185
6928.	19.361	35.062
6948.	19.344	34.94
6968.	19.326	34.818
6988.	19.309	34.697
7000.	19.299	34.625
7002.	19.297	34.613
7004.	19.295	34.601
7010.	19.29	34.565
7028.	19.275	34.459
7048.	19.259	34.342
7068.	19.242	34.225
7088.	19.226	34.11
7108.	19.209	33.995
7128.	19.193	33.881
7148.	19.177	33.768
7168.	19.161	33.656
7188.	19.146	33.544
7200.	19.136	33.478

Material Data

Drum Contents

TABLE 30
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 31
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 32
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 33
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 34
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 35
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 36
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 37
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 38
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 39
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 40
Concrete > Constants

Density	2300 kg m^-3
Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 41
Room Steel > Constants

Density	7854 kg m^-3

TABLE 42
Room Steel > Isotropic Thermal Conductivity

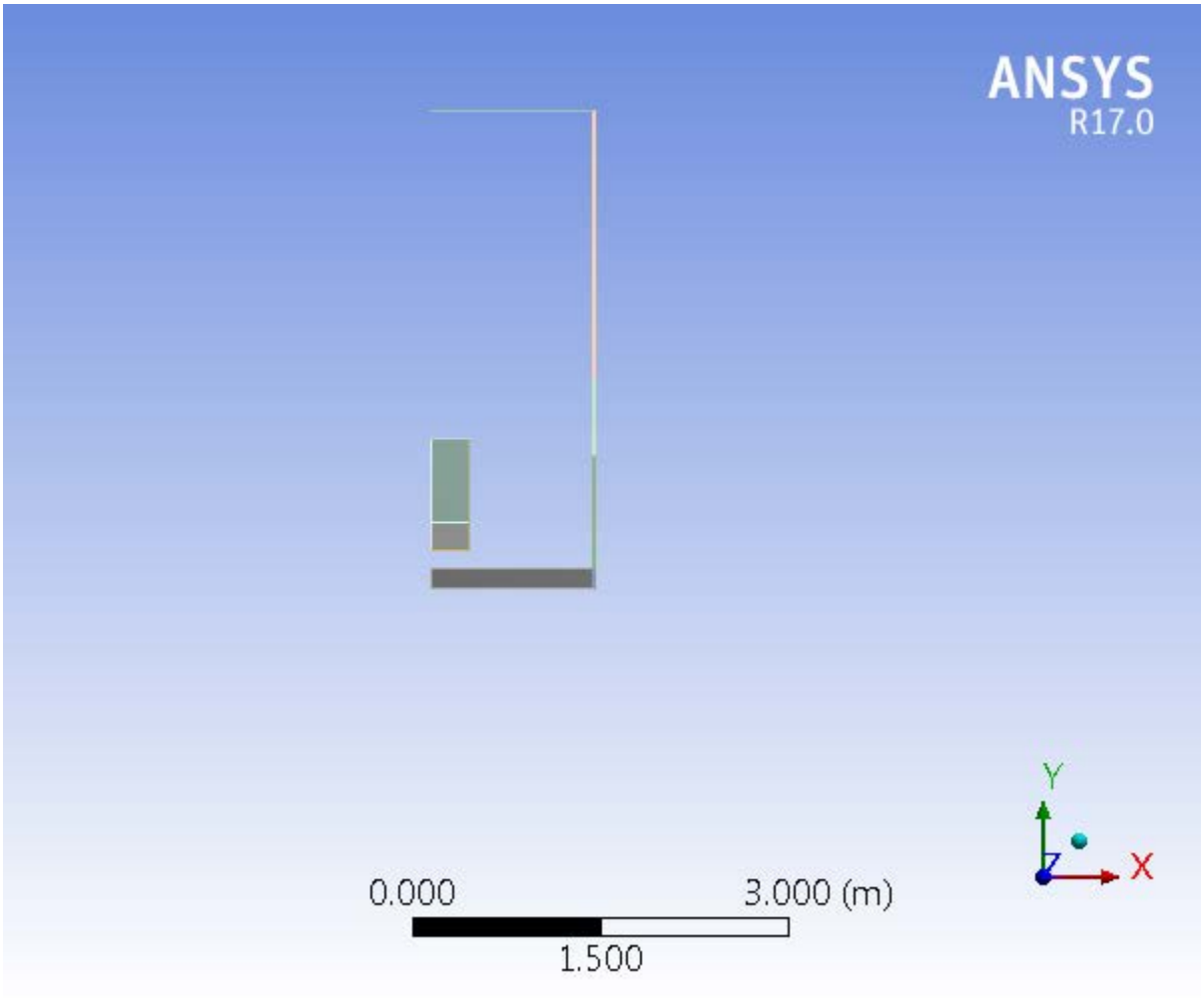
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 43
Room Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Project

Author	E M Flores
Subject	SiteG_2ms_4ign_win_from_west Drum Heating - High Mesh - With Cable Fire
First Saved	Wednesday, December 23, 2015
Last Saved	Friday, July 29, 2016
Product Version	17.0 Release
Save Project Before Solution	No
Save Project After Solution	No



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Units

TABLE 1

Unit System	Metric (m, kg, N, s, V, A) Degrees rad/s Celsius
Angle	Degrees
Rotational Velocity	rad/s
Temperature	Celsius

Model (L4)

Geometry

TABLE 2
Model (L4) > Geometry

Object Name	*Geometry*
State	Fully Defined
Definition	
Source	F:\WIPP\Permacon Final\2-D_files\dp0\SYS-33\DM\SYS-33.agdb
Type	DesignModeler
Length Unit	Meters

Element Control	Program Controlled
2D Behavior	Axisymmetric
Display Style	Body Color
Bounding Box	
Length X	1.3099 m
Length Y	3.81 m
Properties	
Volume	N/A
Mass	N/A
Surface Area(approx.)	0.50726 m²
Scale Factor Value	1.
Statistics	
Bodies	20
Active Bodies	20
Nodes	25104
Elements	7800
Mesh Metric	None
Basic Geometry Options	
Solid Bodies	Yes
Surface Bodies	Yes
Line Bodies	Yes
Parameters	Yes
Parameter Key	
Attributes	Yes
Attribute Key	
Named Selections	Yes
Named Selection Key	
Material Properties	Yes
Advanced Geometry Options	
Use Associativity	Yes
Coordinate Systems	Yes
Reader Mode Saves Updated File	No
Use Instances	Yes
Smart CAD Update	Yes
Compare Parts On Update	No
Attach File Via Temp File	Yes
Temporary Directory	C:\Users\152166\AppData\Local\Temp
Analysis Type	2-D
Mixed Import Resolution	None
Decompose Disjoint Geometry	Yes
Enclosure and Symmetry Processing	Yes

TABLE 3
Model (L4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed										
Graphics Properties											
Visible	Yes										

Transparency	1										
Definition											
Suppressed	No										
Stiffness Behavior	Flexible										
Coordinate System	Default Coordinate System										
Reference Temperature	By Environment										
Behavior	None										
Material											
Assignment	Drum Contents	Drum Steel			Air	Drum Steel			Concrete		Room Steel
Nonlinear Effects	Yes										
Thermal Strain Effects	Yes										
Bounding Box											
Length X	0.30353 m		1.27e-003 m		0.30353 m	1.27e-003 m	0.30353 m	1.27e-003 m	1.3035 m	6.35e-003 m	
Length Y	0.22161 m	1.27e-003 m		0.22161 m	0.66484 m		1.2701e-003 m		0.1524 m		0.9144 m
Properties											
Volume	N/A										
Mass	N/A										
Centroid X	N/A										
Centroid Y	N/A										
Centroid Z	N/A										
Moment of Inertia Ip1	N/A										
Moment of Inertia Ip2	N/A										
Moment of Inertia Ip3	N/A										
Surface Area(approx.)	6.7267e-002 m²	3.8548e-004 m²	1.6129e-006 m²	2.8145e-004 m²	0.2018 m²	8.4435e-004 m²	3.8548e-004 m²	1.6129e-006 m²	0.19866 m²	9.6774e-004 m²	5.8064e-003 m²
Statistics											
Nodes	3741	813	133	613	9841	1613	813	133	1301	213	613
Elements	1200	240	36	180	3200	480	240	36	400	60	180
Mesh Metric	None										
CAD Attributes											
DMSheetThickness	0										

TABLE 4
Model (L4) > Geometry > Parts

Object Name	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*	*Surface Body*
State	Meshed								
Graphics Properties									
Visible	Yes								
Transparency	1								
Definition									
Suppressed	No								

Stiffness Behavior	Flexible								
Coordinate System	Default Coordinate System								
Reference Temperature	By Environment								
Behavior	None								
Material									
Assignment	Room Steel		Drum Steel					Room Steel	
Nonlinear Effects	Yes								
Thermal Strain Effects	Yes								
Bounding Box									
Length X	6.35e-003 m	1.3035 m	0.30797 m	3.4036e-003 m			0.30797 m	6.35e-003 m	
Length Y	6.35e-003 m		3.4036e-003 m		0.89558 m	3.4037e-003 m		0.6096 m	2.1272 m
Properties									
Volume	N/A								
Mass	N/A								
Centroid X	N/A								
Centroid Y	N/A								
Centroid Z	N/A								
Moment of Inertia Ip1	N/A								
Moment of Inertia Ip2	N/A								
Moment of Inertia Ip3	N/A								
Surface Area(approx.)	4.0322e-005 m²	8.2774e-003 m²	1.0482e-003 m²	1.1584e-005 m²	3.0482e-003 m²	1.1584e-005 m²	1.0482e-003 m²	3.871e-003 m²	1.3508e-002 m²
Statistics									
Nodes	133	813	613	133	1213	133	613	413	1213
Elements	36	240	180	36	360	36	180	120	360
Mesh Metric	None								
CAD Attributes									
DMSheetThickness	0								

Coordinate Systems

TABLE 5
Model (L4) > Coordinate Systems > Coordinate System

Object Name	*Global Coordinate System*
State	Fully Defined
Definition	
Type	Cartesian
Coordinate System ID	0.
Origin	
Origin X	0. m
Origin Y	0. m
Directional Vectors	

X Axis Data	[1. 0.]
Y Axis Data	[0. 1.]

Connections

TABLE 6
Model (L4) > Connections

Object Name	*Connections*
State	Fully Defined
Auto Detection	
Generate Automatic Connection On Refresh	Yes
Transparency	
Enabled	Yes

TABLE 7
Model (L4) > Connections > Contacts

Object Name	*Contacts*
State	Fully Defined
Definition	
Connection Type	Contact
Scope	
Scoping Method	Geometry Selection
Geometry	All Bodies
Auto Detection	
Tolerance Type	Value
Tolerance Value	1.27e-004 m
Use Range	No
Edge/Edge	Yes
Priority	Include All
Group By	Bodies
Search Across	Bodies
Statistics	
Connections	20
Active Connections	20

TABLE 8
Model (L4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region*	*Contact Region 2*	*Contact Region 3*	*Contact Region 4*	*Contact Region 5*	*Contact Region 6*	*Contact Region 7*	*Contact Region 8*	*Contact Region 9*	*Contact Region 10*	*Contact Region 11*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Contact	1 Edge										
Target	1 Edge										
Contact Bodies	Surface Body										

Target Bodies	Surface Body
Shell Thickness Effect	No
Definition	
Type	Bonded
Scope Mode	Automatic
Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	1.27e-004 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

TABLE 9
Model (L4) > Connections > Contacts > Contact Regions

Object Name	*Contact Region 12*	*Contact Region 14*	*Contact Region 15*	*Contact Region 16*	*Contact Region 17*	*Contact Region 18*	*Contact Region 19*	*Contact Region 20*	*Contact Region 21*
State	Fully Defined								
Scope									
Scoping Method	Geometry Selection								
Contact	1 Edge								
Target	1 Edge								
Contact Bodies	Surface Body								
Target Bodies	Surface Body								
Shell Thickness Effect	No								
Definition									
Type	Bonded								
Scope Mode	Automatic								

Behavior	Program Controlled
Trim Contact	Program Controlled
Trim Tolerance	1.27e-004 m
Suppressed	No
Advanced	
Formulation	Program Controlled
Detection Method	Program Controlled
Elastic Slip Tolerance	Program Controlled
Thermal Conductance	Program Controlled
Pinball Region	Program Controlled
Geometric Modification	
Contact Geometry Correction	None
Target Geometry Correction	None

Mesh

TABLE 10
Model (L4) > Mesh

Object Name	*Mesh*
State	Solved
Display	
Display Style	Body Color
Defaults	
Physics Preference	Mechanical
Relevance	0
Shape Checking	Standard Mechanical
Element Midside Nodes	Program Controlled
Sizing	
Size Function	Adaptive
Relevance Center	Coarse
Element Size	5.e-002 m
Initial Size Seed	Active Assembly
Smoothing	Medium
Transition	Fast
Span Angle Center	Coarse
Automatic Mesh Based Defeaturing	On
Defeaturing Tolerance	Default
Minimum Edge Length	1.27e-003 m
Inflation	
Use Automatic Inflation	None
Inflation Option	Smooth Transition

Transition Ratio	0.272
Maximum Layers	2
Growth Rate	1.2
Inflation Algorithm	Pre
View Advanced Options	No
Advanced	
Number of CPUs for Parallel Part Meshing	Program Controlled
Straight Sided Elements	No
Number of Retries	Default (4)
Extra Retries For Assembly	Yes
Rigid Body Behavior	Dimensionally Reduced
Mesh Morphing	Disabled
Triangle Surface Mesher	Program Controlled
Topology Checking	Yes
Use Sheet Thickness for Pinch	No
Pinch Tolerance	Please Define
Generate Pinch on Refresh	No
Sheet Loop Removal	No
Statistics	
Nodes	25104
Elements	7800
Mesh Metric	None

TABLE 11
Model (L4) > Mesh > Mesh Controls

Object Name	*Edge Sizing*	*Edge Sizing 2*	*Edge Sizing 3*	*Edge Sizing 4*	*Edge Sizing 5*	*Edge Sizing 6*	*Edge Sizing 7*	*Edge Sizing 9*	*Mapped Face Meshing*	*Edge Sizing 10*	*Edge Sizing 11*
State	Fully Defined										
Scope											
Scoping Method	Named Selection								Geometry Selection	Named Selection	
Named Selection	Drum Steel Thickness	Drum Horizontal Line	Drum Content Vertical Line	Drum Air Vertical Line	Concrete Vertical Line	Concrete Horizontal Line	Steel Wall Thickness	Steel Roof		SWB Thickness	SWB Horizontal Line
Geometry									16 Faces		
Definition											
Suppressed	No										
Type	Number of Divisions									Number of Divisions	
Number of Divisions	6	40	30	80	10	50	6	40		6	30
Behavior	Hard									Hard	
Bias Type	No Bias									No Bias	
Mapped Mesh									Yes		
Method									Quadrilaterals		
Constrain Boundary									No		
Advanced											

Specified Sides		No Selection	
Specified Corners		No Selection	
Specified Ends		No Selection	

TABLE 12
Model (L4) > Mesh > Mesh Controls

Object Name	*Edge Sizing 12*	*Edge Sizing 13*	*Edge Sizing 14*	*Edge Sizing 15*	*Face Meshing*
State	Fully Defined				
Scope					
Scoping Method	Named Selection	Geometry Selection			
Named Selection	SWB Verical Line				
Geometry		2 Edges			4 Faces
Definition					
Suppressed	No				
Type	Number of Divisions				
Number of Divisions	60	30	20		
Behavior	Hard	Soft			
Bias Type	No Bias				
Mapped Mesh					Yes
Method					Quadrilaterals
Constrain Boundary					No
Advanced					
Specified Sides					No Selection
Specified Corners					No Selection
Specified Ends					No Selection

Named Selections

TABLE 13
Model (L4) > Named Selections > Named Selections

Object Name	*Drum Horizontal Line*	*Drum Content Vertical Line*	*Drum Air Vertical Line*	*Concrete Vertical Line*	*Concrete Horizontal Line*	*Drum Steel Thickness*	*Steel Wall Thickness*	*Steel Roof*	*SWB Thickness*	*SWB Horizontal Line*	*SWB Verical Line*
State	Fully Defined										
Scope											
Scoping Method	Worksheet				Geometry Selection	Worksheet					
Geometry	8 Edges	4 Edges			1 Edge	16 Edges	14 Edges	4 Edges	14 Edges	4 Edges	2 Edges
Definition											
Send to Solver	Yes										
Visible	Yes										
Program Controlled Inflation	Exclude										

Statistics											
Type	Manual										
Total Selection	8 Edges	4 Edges			1 Edge	16 Edges	14 Edges	4 Edges	14 Edges	4 Edges	2 Edges
Length	2.4282 m	0.88646 m	2.6594 m	0.6096 m	1.3035 m	2.032e-002 m	8.89e-002 m	5.2141 m	4.765e-002 m	1.2319 m	1.7912 m
Suppressed	0										
Used by Mesh Worksheet	No										
Tolerance											
Tolerance Type	Program Controlled					Program Controlled					
Zero Tolerance	1.e-008					1.e-008					
Relative Tolerance	1.e-003					1.e-003					

TABLE 14
Model (L4) > Named Selections > Named Selections

Object Name	*Vertical Wall Top*	*Verical Wall Mid*	*Vertical Wall Bottom*
State	Fully Defined		
Scope			
Scoping Method	Geometry Selection		
Geometry	1 Face		
Definition			
Send to Solver	Yes		
Visible	Yes		
Program Controlled Inflation	Exclude		
Statistics			
Type	Manual		
Total Selection	1 Face		
Surface Area	1.3508e-002 m²	3.871e-003 m²	5.8065e-003 m²
Suppressed	0		
Used by Mesh Worksheet	No		

Transient Thermal (L5)

TABLE 15
Model (L4) > Analysis

Object Name	*Transient Thermal (L5)*
State	Solved
Definition	
Physics Type	Thermal
Analysis Type	Transient
Solver Target	Mechanical APDL
Options	
Generate Input Only	No

TABLE 16
Model (L4) > Transient Thermal (L5) > Initial Condition

Object Name	*Initial Temperature*
State	Fully Defined
Definition	
Initial Temperature	Uniform Temperature
Initial Temperature Value	23.89 °C

TABLE 17
Model (L4) > Transient Thermal (L5) > Analysis Settings

Object Name	*Analysis Settings*
State	Fully Defined
Step Controls	
Number Of Steps	524.
Current Step Number	524.
Step End Time	7200. s
Auto Time Stepping	Program Controlled
Initial Time Step	2. s
Minimum Time Step	0.2 s
Maximum Time Step	20. s
Time Integration	On
Solver Controls	
Solver Type	Program Controlled
Radiosity Controls	
Radiosity Solver	Program Controlled
Flux Convergence	1.e-004
Maximum Iteration	5000.
Solver Tolerance	1.e-002 W/m²
Over Relaxation	0.1
View Factor Method	Hidden
Number of Zones	600.
Axisymmetry Divisions	240.
Nonlinear Controls	
Heat Convergence	Program Controlled
Temperature Convergence	Program Controlled
Line Search	Program Controlled
Nonlinear Formulation	Program Controlled
Output Controls	
Calculate Thermal Flux	Yes
General Miscellaneous	No
Store Results At	All Time Points
Analysis Data Management	
Solver Files Directory	F:\WIPP\Permacon Final\2-D_files\dp0\SYS-33\MECH\
Future Analysis	None
Scratch Solver Files Directory	
Save MAPDL db	No
Delete Unneeded Files	Yes
Nonlinear Solution	Yes
Solver Units	Active System

Solver Unit System	mks

TABLE 18
Model (L4) > Transient Thermal (L5) > Analysis Settings
Step-Specific "Step Controls"

Step	Step End Time	Initial Time Step	Minimum Time Step	Maximum Time Step
1	2. s	2.e-002 s	2.e-003 s	0.2 s
2	4. s			
3	6. s			
4	8. s			
5	10. s			
6	12. s			
7	14. s			
8	16. s			
9	18. s			
10	20. s			
11	22. s			
12	24. s			
13	26. s			
14	28. s			
15	30. s			
16	32. s			
17	34. s			
18	36. s			
19	38. s			
20	40. s			
21	42. s			
22	44. s			
23	46. s			
24	48. s			
25	50. s			
26	52. s			
27	54. s			
28	56. s			
29	58. s			
30	60. s			
31	62. s			
32	64. s			
33	66. s			
34	68. s			
35	70. s			
36	72. s			
37	74. s			
38	76. s			
39	78. s			
40	80. s			
41	82. s			
42	84. s			
43	86. s			

44	88. s			
45	90. s			
46	92. s			
47	94. s			
48	96. s			
49	98. s			
50	100. s			
51	102. s			
52	104. s			
53	106. s			
54	108. s			
55	110. s			
56	112. s			
57	114. s			
58	116. s			
59	118. s			
60	120. s			
61	122. s			
62	124. s			
63	126. s			
64	128. s			
65	130. s			
66	132. s			
67	134. s			
68	136. s			
69	138. s			
70	140. s			
71	142. s			
72	144. s			
73	146. s			
74	148. s			
75	150. s			
76	151. s	1.e-002 s	1.e-003 s	0.1 s
77	152. s			
78	153. s			
79	154. s			
80	155. s			
81	156. s			
82	157. s			
83	158. s			
84	159. s			
85	160. s			
86	161. s			
87	162. s			
88	163. s			
89	164. s			
90	165. s			
91	166. s			

92	167. s			
93	168. s			
94	169. s			
95	170. s			
96	171. s			
97	172. s			
98	173. s			
99	174. s			
100	175. s			
101	176. s			
102	177. s			
103	178. s			
104	179. s			
105	180. s			
106	181. s			
107	182. s			
108	183. s			
109	184. s			
110	185. s			
111	186. s			
112	187. s			
113	188. s			
114	189. s			
115	190. s			
116	191. s			
117	192. s			
118	193. s			
119	194. s			
120	195. s			
121	196. s			
122	197. s			
123	198. s			
124	199. s			
125	200. s			
126	201. s			
127	202. s			
128	203. s			
129	204. s			
130	205. s			
131	206. s			
132	207. s			
133	208. s			
134	209. s			
135	210. s			
136	211. s			
137	212. s			
138	213. s			
139	214. s			

140	215. s			
141	216. s			
142	217. s			
143	218. s			
144	219. s			
145	220. s			
146	221. s			
147	222. s			
148	223. s			
149	224. s			
150	225. s			
151	226. s			
152	227. s			
153	228. s			
154	229. s			
155	230. s			
156	231. s			
157	232. s			
158	233. s			
159	234. s			
160	235. s			
161	236. s			
162	237. s			
163	238. s			
164	239. s			
165	240. s			
166	241. s			
167	242. s			
168	243. s			
169	244. s			
170	245. s			
171	246. s			
172	247. s			
173	248. s			
174	249. s			
175	250. s			
176	251. s			
177	252. s			
178	253. s			
179	254. s			
180	255. s			
181	256. s			
182	257. s			
183	258. s			
184	259. s			
185	260. s			
186	261. s			
187	262. s			

188	263. s			
189	264. s			
190	265. s			
191	266. s			
192	267. s			
193	268. s			
194	269. s			
195	270. s			
196	271. s			
197	272. s			
198	273. s			
199	274. s			
200	275. s			
201	276. s			
202	277. s			
203	278. s			
204	279. s			
205	280. s			
206	281. s			
207	282. s			
208	283. s			
209	284. s			
210	285. s			
211	286. s			
212	287. s			
213	288. s			
214	289. s			
215	290. s			
216	291. s			
217	292. s			
218	293. s			
219	294. s			
220	295. s			
221	296. s			
222	297. s			
223	298. s			
224	299. s			
225	300. s			
226	301. s			
227	302. s			
228	303. s			
229	304. s			
230	305. s			
231	306. s			
232	307. s			
233	308. s			
234	309. s			
235	310. s			

236	311. s			
237	312. s			
238	313. s			
239	314. s			
240	315. s			
241	316. s			
242	317. s			
243	318. s			
244	319. s			
245	320. s			
246	321. s			
247	322. s			
248	323. s			
249	324. s			
250	325. s			
251	326. s			
252	327. s			
253	328. s			
254	329. s			
255	330. s			
256	331. s			
257	332. s			
258	333. s			
259	334. s			
260	335. s			
261	336. s			
262	337. s			
263	338. s			
264	339. s			
265	340. s			
266	341. s			
267	342. s			
268	343. s			
269	344. s			
270	345. s			
271	346. s			
272	347. s			
273	348. s			
274	349. s			
275	350. s			
276	351. s			
277	352. s			
278	353. s			
279	354. s			
280	355. s			
281	356. s			
282	357. s			
283	358. s			

284	359. s			
285	360. s			
286	361. s			
287	362. s			
288	363. s			
289	364. s			
290	365. s			
291	366. s			
292	367. s			
293	368. s			
294	369. s			
295	370. s			
296	371. s			
297	372. s			
298	373. s			
299	374. s			
300	375. s			
301	376. s			
302	377. s			
303	378. s			
304	379. s			
305	380. s			
306	381. s			
307	382. s			
308	383. s			
309	384. s			
310	385. s			
311	386. s			
312	387. s			
313	388. s			
314	389. s			
315	390. s			
316	391. s			
317	392. s			
318	393. s			
319	394. s			
320	395. s			
321	396. s			
322	397. s			
323	398. s			
324	399. s			
325	400. s			
326	401. s			
327	402. s			
328	403. s			
329	404. s			
330	405. s			
331	406. s			

332	407. s			
333	408. s			
334	409. s			
335	410. s			
336	411. s			
337	412. s			
338	413. s			
339	414. s			
340	415. s			
341	416. s			
342	417. s			
343	418. s			
344	419. s			
345	420. s			
346	421. s			
347	422. s			
348	423. s			
349	424. s			
350	425. s			
351	426. s			
352	427. s			
353	428. s			
354	429. s			
355	430. s			
356	431. s			
357	432. s			
358	433. s			
359	434. s			
360	435. s			
361	436. s			
362	437. s			
363	438. s			
364	439. s			
365	440. s			
366	441. s			
367	442. s			
368	443. s			
369	444. s			
370	445. s			
371	446. s			
372	447. s			
373	448. s			
374	449. s			
375	450. s			
376	451. s			
377	452. s			
378	453. s			
379	454. s			

380	455. s			
381	456. s			
382	457. s			
383	458. s			
384	459. s			
385	460. s			
386	461. s			
387	462. s			
388	463. s			
389	464. s			
390	465. s			
391	466. s			
392	467. s			
393	468. s			
394	469. s			
395	470. s			
396	471. s			
397	472. s			
398	473. s			
399	474. s			
400	475. s			
401	476. s			
402	477. s			
403	478. s			
404	479. s			
405	480. s			
406	481. s			
407	482. s			
408	483. s			
409	484. s			
410	485. s			
411	486. s			
412	487. s			
413	488. s			
414	489. s			
415	490. s			
416	491. s			
417	492. s			
418	493. s			
419	494. s			
420	495. s			
421	496. s			
422	497. s			
423	498. s			
424	499. s			
425	500. s			
426	501. s			
427	502. s			

428	503. s			
429	504. s			
430	505. s			
431	506. s			
432	507. s			
433	508. s			
434	509. s			
435	510. s			
436	511. s			
437	512. s			
438	513. s			
439	514. s			
440	515. s			
441	516. s			
442	517. s			
443	518. s			
444	519. s			
445	520. s			
446	521. s			
447	522. s			
448	523. s			
449	524. s			
450	525. s			
451	526. s			
452	527. s			
453	528. s			
454	529. s			
455	530. s			
456	531. s			
457	532. s			
458	533. s			
459	534. s			
460	535. s			
461	536. s			
462	537. s			
463	538. s			
464	539. s			
465	540. s			
466	541. s			
467	542. s			
468	543. s			
469	544. s			
470	545. s			
471	546. s			
472	547. s			
473	548. s			
474	549. s			
475	550. s			

476	551. s			
477	552. s			
478	553. s			
479	554. s			
480	555. s			
481	560. s	5.e-002 s	5.e-003 s	0.5 s
482	565. s			
483	570. s			
484	575. s			
485	580. s			
486	585. s			
487	590. s			
488	595. s			
489	600. s			
490	700. s	1. s	0.1 s	10. s
491	800. s			
492	900. s			
493	1000. s			
494	1200. s	2. s	0.2 s	20. s
495	1400. s			
496	1600. s			
497	1800. s			
498	2000. s			
499	2200. s			
500	2400. s			
501	2600. s			
502	2800. s			
503	3000. s			
504	3200. s			
505	3400. s			
506	3600. s			
507	3800. s			
508	4000. s			
509	4200. s			
510	4400. s			
511	4600. s			
512	4800. s			
513	5000. s			
514	5200. s			
515	5400. s			
516	5600. s			
517	5800. s			
518	6000. s			
519	6200. s			
520	6400. s			
521	6600. s			
522	6800. s			
523	7000. s			

524	7200. s			

TABLE 19
Model (L4) > Transient Thermal (L5) > Loads

Object Name	*Temperature*	*Radiation 2*	*Radiation 3*	*Radiation 4*	*Radiation 5*	*Radiation 6*	*Radiation 7*	*Convection*	*Heat Flux*	*Radiation*	*Radiation 8*
State	Fully Defined										
Scope											
Scoping Method	Geometry Selection										
Geometry	1 Edge	2 Edges	1 Edge	3 Edges	2 Edges		1 Edge	7 Edges	6 Edges	1 Edge	2 Edges
Definition											
Type	Temperature	Radiation						Convection	Heat Flux	Radiation	
Magnitude	22.25 °C (step applied)								Tabular Data		
Suppressed	No										
Correlation		Surface to Surface								Surface to Surface	
Emissivity		0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.393 (step applied)	0.9 (step applied)	0.93 (step applied)			0.9 (step applied)	
Enclosure		1.								2.	
Enclosure Type		Perfect								Perfect	
Film Coefficient								Tabular Data			
Ambient Temperature								Tabular Data			
Convection Matrix								Program Controlled			
Edit Data For								Film Coefficient			
Tabular Data											
Independent Variable								Time			

FIGURE 1
Model (L4) > Transient Thermal (L5) > Temperature

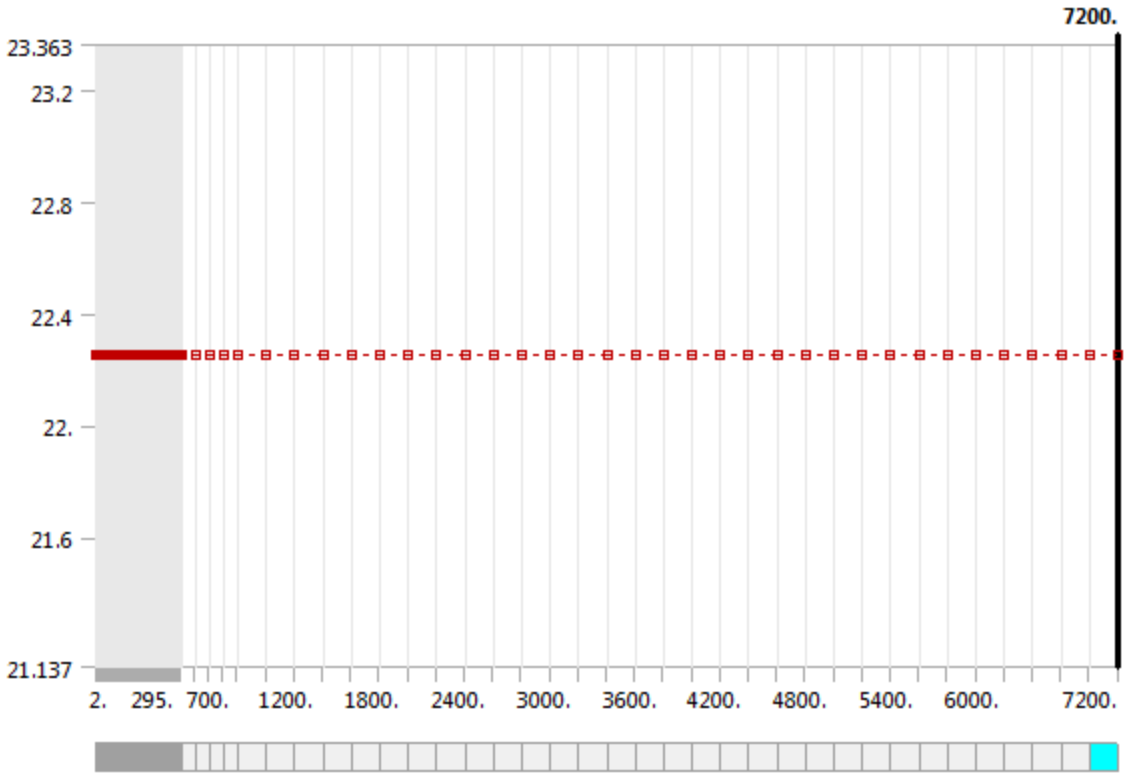

FIGURE 2
Model (L4) > Transient Thermal (L5) > Radiation 2

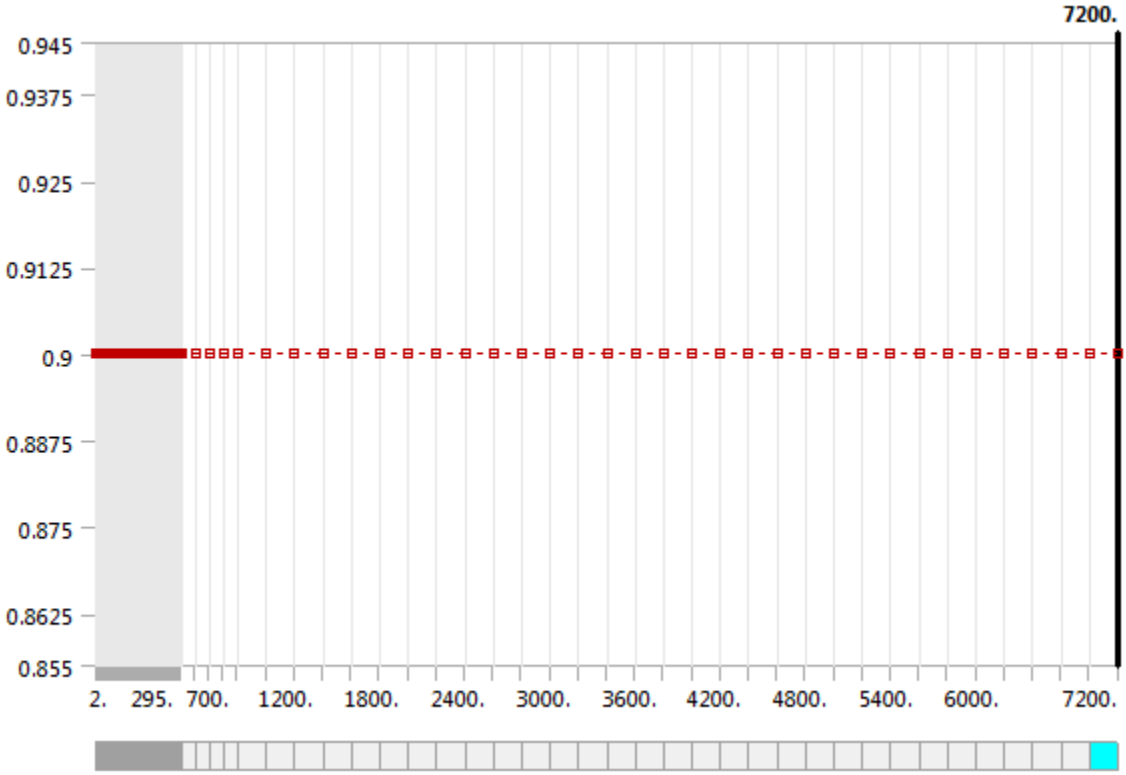

FIGURE 3
Model (L4) > Transient Thermal (L5) > Radiation 3

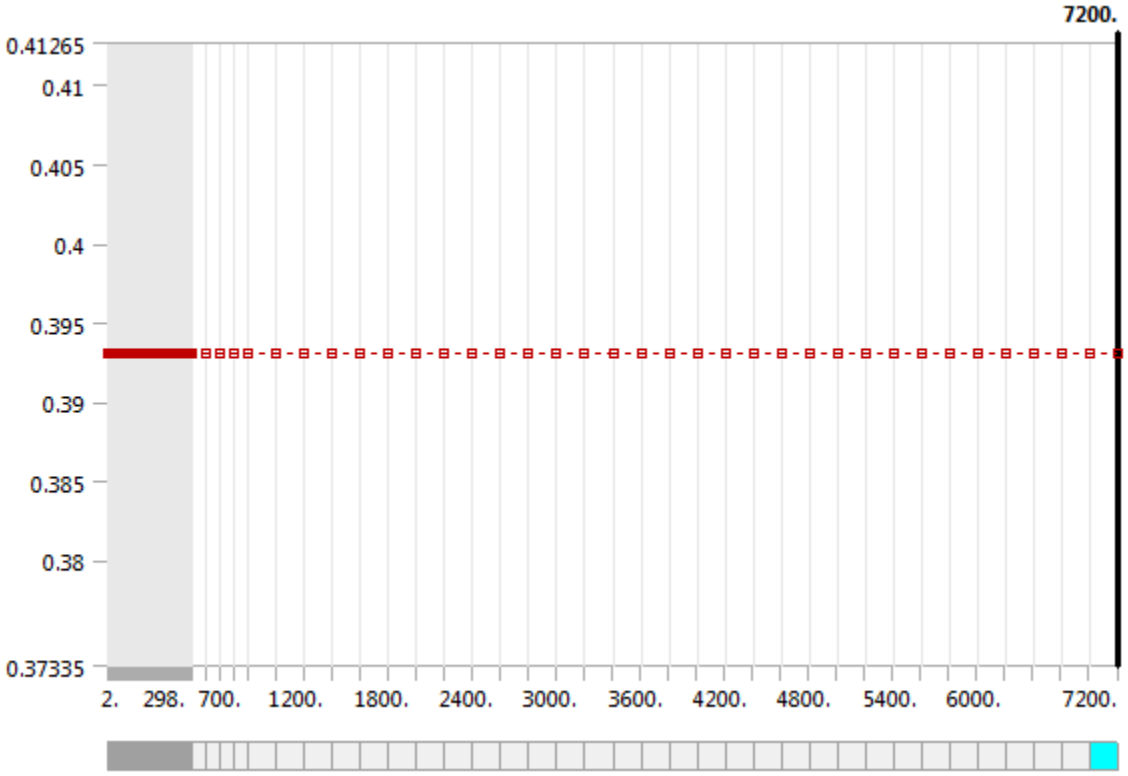

FIGURE 4
Model (L4) > Transient Thermal (L5) > Radiation 4

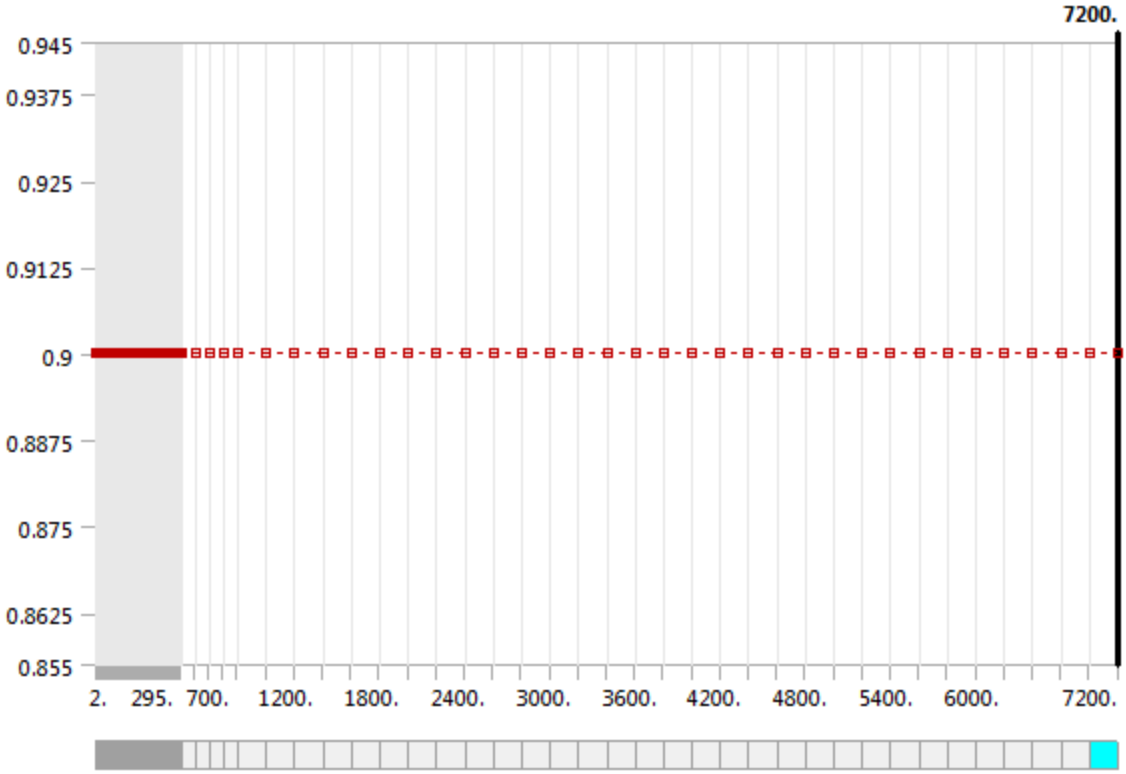

FIGURE 5
Model (L4) > Transient Thermal (L5) > Radiation 5

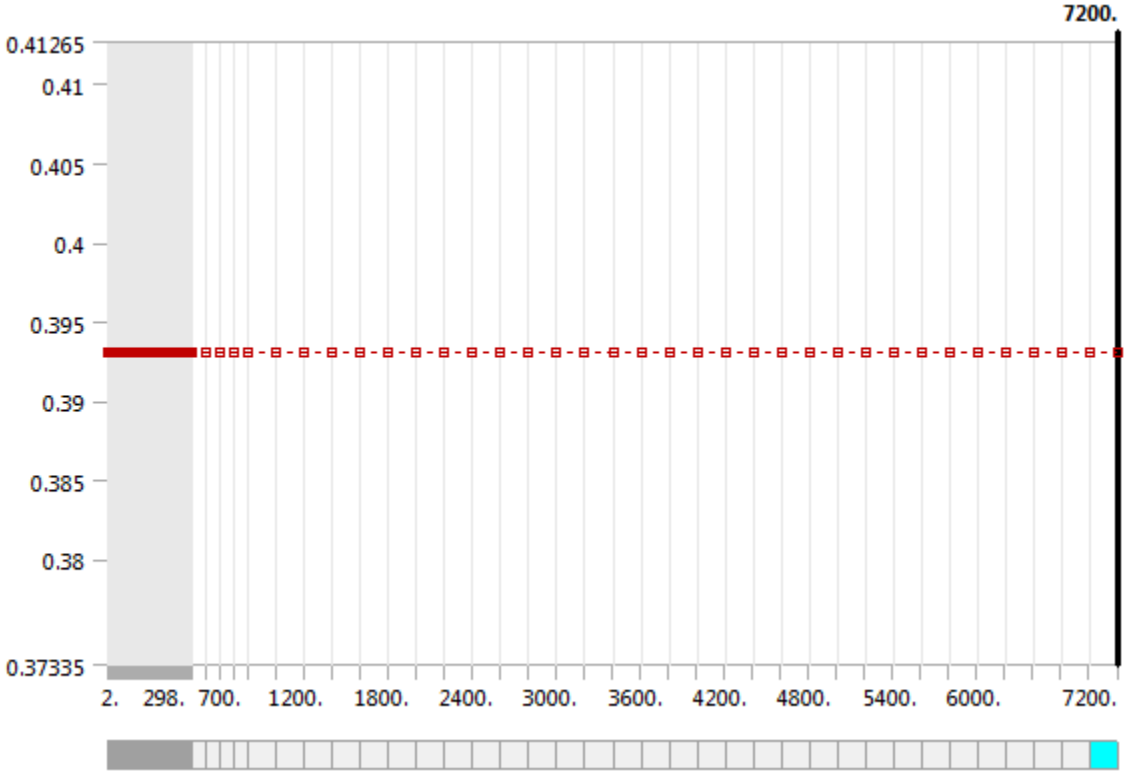

FIGURE 6
Model (L4) > Transient Thermal (L5) > Radiation 6

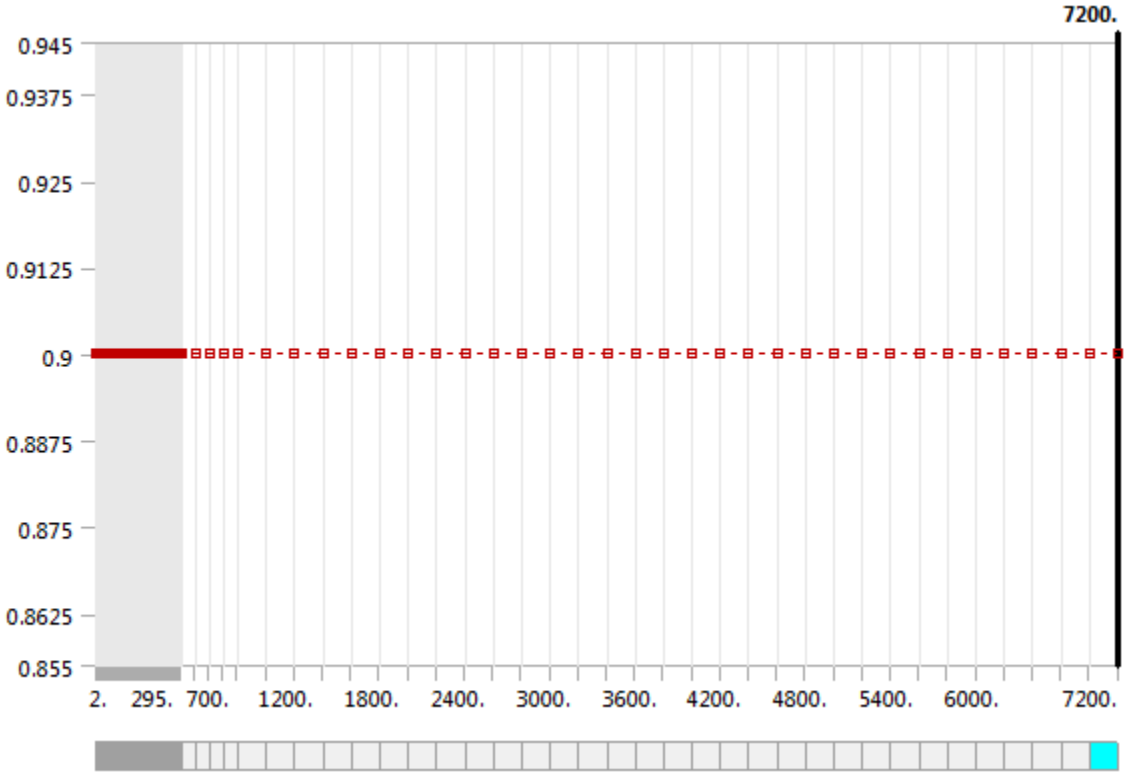

FIGURE 7
Model (L4) > Transient Thermal (L5) > Radiation 7

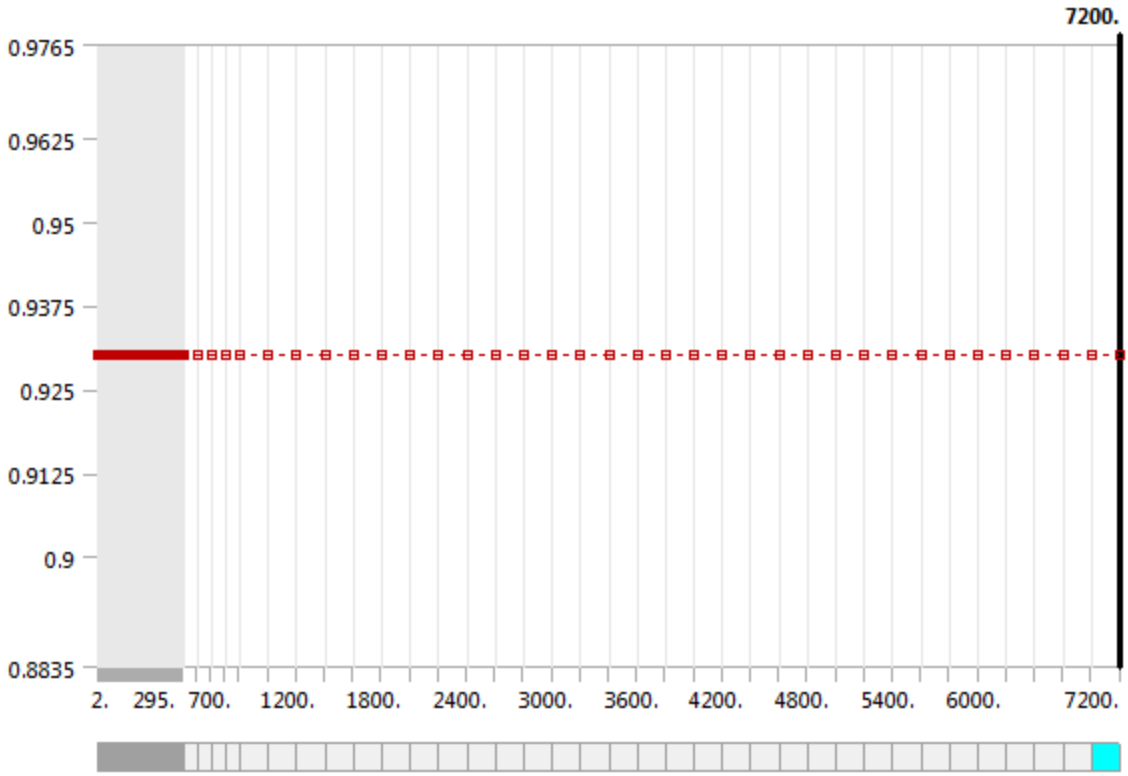

FIGURE 8
Model (L4) > Transient Thermal (L5) > Convection

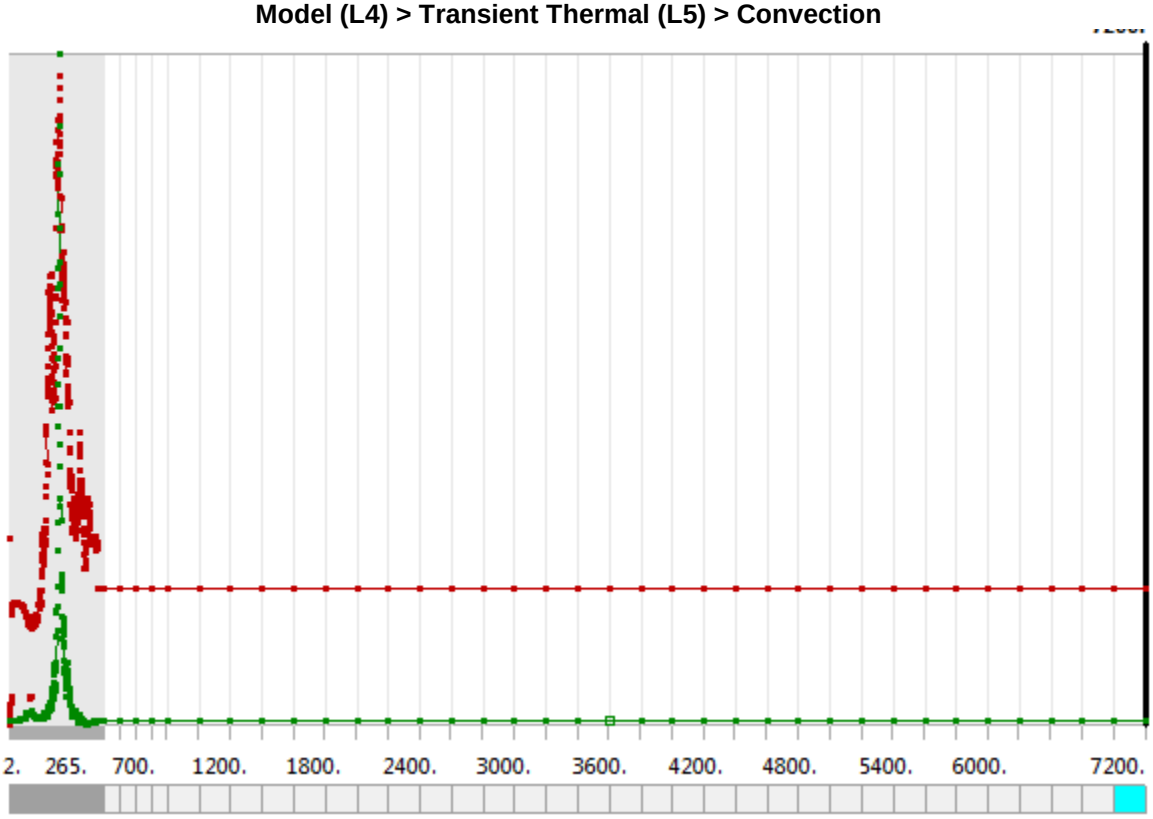

TABLE 20
Model (L4) > Transient Thermal (L5) > Convection

Steps	Time [s]	Convection Coefficient [W/m²·°C]	Temperature [°C]
1	0.	1.	16.85
	2.	0.35	
2	4.	0.69	
3	5.	6.689	
	6.	0.92	
4	8.	1.12	16.87
5	10.	1.29	16.89
6	12.	4.14	16.88
7	14.	4.26	
8	16.	4.38	17.33
9	18.	4.44	17.
10	20.	4.49	17.12
11	22.	4.51	17.61
12	24.	4.53	17.05
13	26.		16.97
14	28.		16.98
15	30.	4.54	17.06
16	32.	4.53	17.05
17	34.		17.07
18	36.		17.1
19	38.		17.13
20	40.		17.61
21	42.	4.52	17.17
22	44.		17.18
23	46.	4.51	17.19
24	48.		17.22
25	50.	4.49	17.29
26	52.	4.48	17.33
27	54.	4.47	17.41
28	56.		17.49
29	58.	4.46	17.54
30	60.		17.58
31	62.		17.6
32	64.		17.64
33	66.	4.45	17.68
34	68.		
35	70.	4.44	17.65
36	72.		17.66
37	74.		17.68
38	76.	4.42	17.69
39	78.	4.41	17.72
40	80.	4.4	17.75
41	82.	4.39	
42	84.	4.38	17.77
43	86.	4.36	17.79
44	88.	4.34	17.82

45	90.	4.31	17.87
46	92.	4.27	17.98
47	94.	4.23	18.14
48	96.	4.21	18.3
49	98.	4.19	18.48
50	100.	4.18	18.76
51	102.	4.15	19.15
52	104.	4.1	19.88
53	106.	4.07	20.65
54	108.		21.01
55	110.	4.03	20.57
56	112.	3.95	19.99
57	114.	3.91	19.77
58	116.	3.86	19.67
59	118.	3.82	20.22
60	120.	3.78	19.91
61	122.	3.68	19.93
62	124.	1.3	20.22
63	126.		20.01
64	128.		20.24
65	130.	1.27	21.18
66	132.	1.28	21.06
67	134.		20.67
68	136.	1.3	20.44
69	138.	1.29	21.67
70	140.	1.3	21.29
71	142.	3.65	20.97
72	144.	3.67	20.54
73	146.	3.71	20.15
74	148.	3.68	19.78
75	150.	3.84	19.37
76	151.	3.87	19.13
77	152.	3.9	18.7
78	153.	3.89	18.71
79	154.	3.85	18.68
80	155.	3.9	18.72
81	156.	3.93	18.68
82	157.		18.77
83	158.	4.03	18.7
84	159.	4.09	18.64
85	160.	4.07	18.72
86	161.	3.96	18.83
87	162.	3.77	18.84
88	163.	3.79	18.79
89	164.		18.74
90	165.	3.77	18.68
91	166.	3.8	18.64
92	167.		18.56

93	168.	3.83	18.45
94	169.	3.87	18.25
95	170.	3.92	18.22
96	171.	3.95	18.19
97	172.		18.18
98	173.	3.96	18.15
99	174.	4.	18.14
100	175.	3.97	18.12
101	176.	4.04	18.09
102	177.	4.01	18.06
103	178.	3.97	18.03
104	179.	3.95	17.98
105	180.	3.94	17.91
106	181.	3.92	17.93
107	182.	4.06	18.18
108	183.	4.46	18.38
109	184.	4.86	18.83
110	185.	4.96	19.
111	186.	4.83	18.94
112	187.	4.76	18.84
113	188.	4.71	18.8
114	189.	4.69	18.7
115	190.	4.55	18.64
116	191.	4.53	18.53
117	192.	4.41	18.44
118	193.	4.42	18.36
119	194.	4.34	18.29
120	195.	4.36	18.21
121	196.	4.37	18.16
122	197.	4.42	18.11
123	198.	4.55	18.1
124	199.	4.9	18.08
125	200.	5.4	18.05
126	201.	5.59	18.12
127	202.	5.53	18.21
128	203.	5.58	18.45
129	204.	5.98	18.49
130	205.	6.17	18.43
131	206.	6.51	18.41
132	207.	6.64	18.39
133	208.	6.75	18.36
134	209.	6.87	18.3
135	210.	6.92	18.25
136	211.	7.02	18.21
137	212.	6.99	18.15
138	213.	6.83	18.1
139	214.	6.49	18.05
140	215.	6.12	18.19

141	216.	5.88	18.29
142	217.	5.8	18.5
143	218.	6.03	20.02
144	219.	6.35	20.8
145	220.	6.25	20.88
146	221.	6.31	20.24
147	222.	6.52	19.5
148	223.	6.64	19.76
149	224.	6.9	20.01
150	225.	7.04	19.76
151	226.	7.3	19.14
152	227.	8.14	18.97
153	228.	8.47	19.31
154	229.	9.29	18.85
155	230.	10.24	18.81
156	231.	10.5	18.8
157	232.	10.54	18.77
158	233.	10.48	19.08
159	234.	10.28	18.86
160	235.	9.26	19.17
161	236.	8.87	18.62
162	237.	11.61	20.22
163	238.	12.	21.98
164	239.	11.82	23.68
165	240.	11.59	23.28
166	241.	11.65	23.37
167	242.	13.21	23.01
168	243.	13.7	22.66
169	244.	13.17	22.57
170	245.	12.56	21.67
171	246.	12.19	21.6
172	247.	15.14	21.4
173	248.	15.08	22.48
174	249.	14.77	22.61
175	250.	14.11	22.32
176	251.	14.35	21.7
177	252.	13.68	21.82
178	253.	14.32	22.34
179	254.	15.69	21.99
180	255.	15.32	22.2
181	256.	14.94	22.95
182	257.	14.44	24.65
183	258.	13.9	24.1
184	259.	14.54	25.07
185	260.	13.78	24.82
186	261.	14.39	30.9
187	262.	15.22	31.32
188	263.	15.66	30.97

189	264.	15.74	29.72
190	265.	14.41	27.13
191	266.	13.74	26.5
192	267.	13.29	25.3
193	268.	12.85	22.85
194	269.	12.24	23.55
195	270.	11.39	25.23
196	271.	11.57	24.69
197	272.	11.09	23.52
198	273.	12.48	26.86
199	274.	11.63	26.74
200	275.	12.06	29.67
201	276.	11.61	29.45
202	277.	11.34	29.3
203	278.	12.51	38.32
204	279.	12.04	37.56
205	280.	13.6	33.65
206	281.	13.	42.74
207	282.	13.43	39.58
208	283.	13.	37.49
209	284.	12.81	37.97
210	285.	11.78	33.91
211	286.	11.46	31.4
212	287.	12.57	30.39
213	288.	14.98	33.12
214	289.	14.96	39.25
215	290.	14.06	42.88
216	291.	14.93	65.85
217	292.	17.33	66.58
218	293.	19.09	66.13
219	294.	19.13	54.97
220	295.	19.45	42.44
221	296.	20.26	41.81
222	297.	19.66	43.12
223	298.	19.26	57.34
224	299.	19.03	68.34
225	300.	19.32	77.37
226	301.	18.74	93.83
227	302.	19.56	106.49
228	303.	18.65	149.76
229	304.	19.3	158.23
230	305.	18.86	168.82
231	306.	20.64	221.21
232	307.	21.	211.45
233	308.	19.21	179.91
234	309.	19.86	245.03
235	310.	20.26	267.73
236	311.	20.53	223.74

237	312.	22.52	238.99
238	313.	23.25	213.39
239	314.	21.67	263.01
240	315.	21.02	317.32
241	316.	20.8	284.87
242	317.	21.14	185.17
243	318.	19.82	131.67
244	319.	20.08	141.44
245	320.	22.07	199.04
246	321.	20.23	159.07
247	322.	18.4	113.38
248	323.	17.26	117.53
249	324.	18.33	107.67
250	325.	17.38	80.67
251	326.	16.34	83.08
252	327.	15.57	78.55
253	328.	16.11	75.43
254	329.	17.21	77.87
255	330.	16.2	75.59
256	331.	15.49	81.43
257	332.	15.26	76.09
258	333.	15.81	78.34
259	334.	15.24	64.1
260	335.	14.84	54.29
261	336.	16.5	58.7
262	337.	16.1	63.57
263	338.	15.18	60.71
264	339.	15.98	55.99
265	340.	15.52	52.39
266	341.	15.36	44.38
267	342.	15.67	40.7
268	343.	15.84	41.04
269	344.	15.67	39.82
270	345.	14.96	39.93
271	346.	15.07	38.38
272	347.	14.6	39.25
273	348.	15.01	50.27
274	349.	14.76	38.38
275	350.	14.22	42.87
276	351.	14.21	41.9
277	352.	14.06	41.49
278	353.	14.09	27.79
279	354.	13.63	31.88
280	355.	13.66	37.32
281	356.	12.69	38.15
282	357.	12.94	35.31
283	358.	12.91	35.76
284	359.	12.87	34.95

285	360.	12.36	34.05
286	361.	12.29	38.85
287	362.	12.78	43.4
288	363.	12.64	39.86
289	364.	12.8	37.24
290	365.	14.07	39.09
291	366.	12.85	36.7
292	367.	11.93	34.47
293	368.	11.71	39.33
294	369.	11.64	37.61
295	370.	11.5	37.48
296	371.	11.39	38.23
297	372.	11.2	37.16
298	373.	11.42	36.2
299	374.	11.33	31.82
300	375.	10.34	31.85
301	376.	9.75	30.42
302	377.	9.74	29.18
303	378.	9.67	26.72
304	379.	9.04	26.98
305	380.	9.03	26.42
306	381.	8.82	24.74
307	382.	8.83	25.52
308	383.		26.33
309	384.	8.65	25.85
310	385.	8.46	25.06
311	386.	7.87	24.59
312	387.	7.76	23.89
313	388.	7.45	20.48
314	389.	7.36	19.94
315	390.	7.74	19.26
316	391.	8.78	19.55
317	392.	8.83	20.57
318	393.	8.52	20.
319	394.	8.39	19.78
320	395.	8.32	19.5
321	396.	7.78	19.27
322	397.	6.93	19.8
323	398.	7.06	19.73
324	399.	7.63	19.83
325	400.	7.99	20.17
326	401.	8.09	20.26
327	402.	7.77	19.73
328	403.	7.68	19.5
329	404.	7.74	19.29
330	405.	7.55	19.19
331	406.	7.24	19.1
332	407.	6.94	19.08

333	408.	7.33	19.51
334	409.	7.86	19.74
335	410.	7.33	20.16
336	411.	7.21	21.12
337	412.	7.53	21.41
338	413.	7.86	21.19
339	414.	7.51	20.79
340	415.	7.08	20.28
341	416.	6.91	20.11
342	417.	6.87	20.34
343	418.	6.73	20.23
344	419.	7.12	20.31
345	420.	7.32	20.43
346	421.	7.41	20.35
347	422.	7.3	19.88
348	423.	7.24	19.41
349	424.	7.21	19.05
350	425.	7.	18.82
351	426.	7.28	18.67
352	427.	7.77	18.43
353	428.	7.86	18.19
354	429.	7.68	17.93
355	430.	7.65	17.95
356	431.	8.2	17.69
357	432.	8.1	17.3
358	433.	8.	16.82
359	434.	7.59	16.57
360	435.	7.36	17.
361	436.	7.43	17.87
362	437.	7.55	18.05
363	438.	8.31	19.15
364	439.	8.45	19.8
365	440.	8.39	19.64
366	441.	9.05	19.46
367	442.	9.95	19.34
368	443.	10.36	19.21
369	444.	9.89	18.72
370	445.	9.7	18.47
371	446.	9.65	18.86
372	447.	9.52	18.44
373	448.	8.66	17.31
374	449.	8.49	17.73
375	450.	8.3	17.12
376	451.	8.66	16.65
377	452.	8.5	17.01
378	453.	8.58	17.71
379	454.	8.3	17.73
380	455.	8.23	17.39

381	456.	8.31	17.16
382	457.	8.14	17.32
383	458.	8.	17.16
384	459.	7.97	16.91
385	460.	8.02	16.87
386	461.	7.95	17.1
387	462.	8.01	16.91
388	463.	8.04	16.48
389	464.	7.87	16.63
390	465.	7.75	
391	466.	7.71	16.83
392	467.	7.51	16.54
393	468.	7.44	16.16
394	469.	7.58	16.08
395	470.	7.05	16.19
396	471.	6.96	16.37
397	472.	6.86	16.28
398	473.	6.54	16.35
399	474.	6.14	16.29
400	475.	5.68	16.21
401	476.	5.77	16.05
402	477.	5.71	15.78
403	478.	6.58	15.66
404	479.	6.51	15.76
405	480.	6.5	15.75
406	481.	6.41	15.72
407	482.	6.26	15.69
408	483.	5.86	15.66
409	484.	5.7	15.64
410	485.	5.93	15.58
411	486.	5.98	15.47
412	487.	6.28	15.36
413	488.	6.37	15.63
414	489.	6.84	16.13
415	490.	7.54	16.23
416	491.	7.73	16.24
417	492.	7.88	16.21
418	493.	7.98	16.16
419	494.	8.01	16.25
420	495.	8.05	16.06
421	496.		15.84
422	497.	8.04	15.75
423	498.	8.02	16.18
424	499.	8.03	16.29
425	500.	7.92	16.25
426	501.	7.88	
427	502.	7.61	16.21
428	503.	7.49	16.1

429	504.	7.35	16.06
430	505.	7.23	16.24
431	506.		16.19
432	507.	7.13	
433	508.		16.18
434	509.	7.04	16.15
435	510.	6.72	16.12
436	511.	7.07	16.
437	512.	7.19	16.03
438	513.	7.02	15.99
439	514.	6.75	15.98
440	515.	6.48	15.96
441	516.	6.62	15.97
442	517.	6.73	
443	518.	6.68	16.26
444	519.	6.66	16.66
445	520.	6.68	16.47
446	521.	6.63	16.35
447	522.	6.61	16.41
448	523.	6.58	16.51
449	524.	6.64	16.32
450	525.	6.72	16.1
451	526.	6.68	16.2
452	527.	6.67	16.19
453	528.	6.69	
454	529.	6.68	16.24
455	530.		16.35
456	531.	6.75	16.44
457	532.	6.74	16.62
458	533.	6.79	16.8
459	534.	6.73	16.88
460	535.	6.66	17.03
461	536.	6.65	17.05
462	537.	6.74	17.17
463	538.	6.78	17.29
464	539.	6.72	17.32
465	540.	6.78	17.28
466	541.	6.68	17.14
467	542.	6.64	17.24
468	543.	6.55	17.32
469	544.	6.46	17.36
470	545.	6.31	17.37
471	546.	6.27	17.24
472	547.	6.35	16.67
473	548.	6.33	17.07
474	549.	6.34	17.42
475	550.	6.43	17.46
476	551.	6.49	17.4

477	552.	6.54	17.48
478	553.	6.38	17.53
479	554.	6.35	17.39
480	555.	6.37	17.37
481	560.	5.	16.85
482	565.		
483	570.		
484	575.		
485	580.		
486	585.		
487	590.		
488	595.		
489	600.		
490	700.		
491	800.		
492	900.		
493	1000.		
494	1200.		
495	1400.		
496	1600.		
497	1800.		
498	2000.		
499	2200.		
500	2400.		
501	2600.		
502	2800.		
503	3000.		
504	3200.		
505	3400.		
506	3600.		
507	3800.		= 16.85
508	4000.		16.85
509	4200.		
510	4400.		
511	4600.		
512	4800.		
513	5000.		
514	5200.		
515	5400.		
516	5600.		
517	5800.		
518	6000.		
519	6200.		
520	6400.		
521	6600.		
522	6800.		
523	7000.		
524	7200.		

FIGURE 9
Model (L4) > Transient Thermal (L5) > Heat Flux

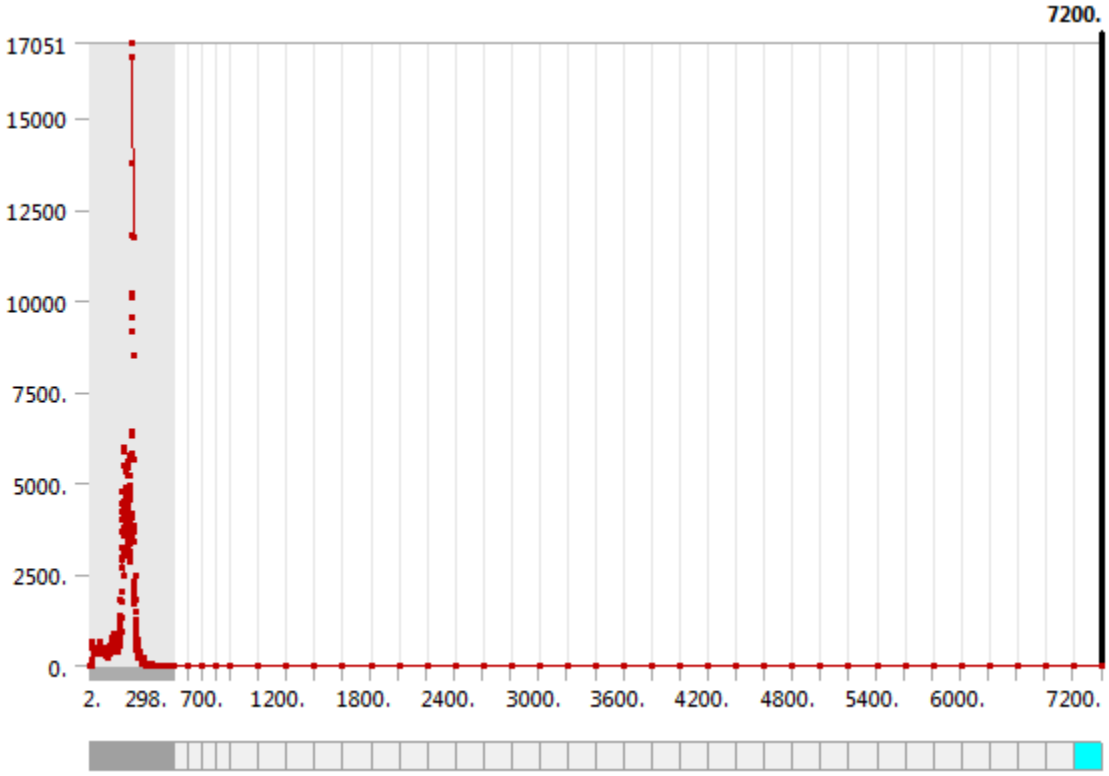

TABLE 21
Model (L4) > Transient Thermal (L5) > Heat Flux

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	0.3
5	10.	
6	12.	35.
7	14.	167.4
8	16.	583.6
9	18.	519.
10	20.	633.2
11	22.	452.1
12	24.	465.5
13	26.	350.1
14	28.	520.8
15	30.	411.
16	32.	418.6
17	34.	319.8
18	36.	354.7
19	38.	367.9

20	40.	336.3
21	42.	477.5
22	44.	445.4
23	46.	375.7
24	48.	365.6
25	50.	454.7
26	52.	464.8
27	54.	377.2
28	56.	356.8
29	58.	439.5
30	60.	442.7
31	62.	385.7
32	64.	465.7
33	66.	638.1
34	68.	479.1
35	70.	551.
36	72.	484.6
37	74.	568.3
38	76.	560.2
39	78.	449.8
40	80.	493.3
41	82.	447.9
42	84.	356.8
43	86.	359.
44	88.	415.3
45	90.	348.8
46	92.	325.3
47	94.	394.3
48	96.	357.6
49	98.	356.2
50	100.	335.4
51	102.	325.2
52	104.	315.9
53	106.	321.3
54	108.	358.
55	110.	429.9
56	112.	428.9
57	114.	305.8
58	116.	292.2
59	118.	376.2
60	120.	380.8
61	122.	367.6
62	124.	310.
63	126.	316.9
64	128.	479.4
65	130.	344.7
66	132.	334.3
67	134.	228.5

68	136.	375.4
69	138.	498.2
70	140.	341.6
71	142.	521.4
72	144.	405.
73	146.	470.8
74	148.	437.8
75	150.	454.4
76	151.	484.3
77	152.	653.7
78	153.	525.3
79	154.	377.2
80	155.	570.8
81	156.	683.6
82	157.	539.9
83	158.	521.8
84	159.	526.
85	160.	597.7
86	161.	755.5
87	162.	511.2
88	163.	514.6
89	164.	547.2
90	165.	775.7
91	166.	779.7
92	167.	553.1
93	168.	554.7
94	169.	409.4
95	170.	835.
96	171.	883.
97	172.	596.1
98	173.	664.6
99	174.	640.7
100	175.	724.2
101	176.	636.3
102	177.	867.
103	178.	650.5
104	179.	816.3
105	180.	426.2
106	181.	521.7
107	182.	614.7
108	183.	606.6
109	184.	776.2
110	185.	552.7
111	186.	619.4
112	187.	385.7
113	188.	406.5
114	189.	389.
115	190.	582.4

116	191.	617.8
117	192.	430.4
118	193.	413.9
119	194.	414.7
120	195.	704.4
121	196.	432.8
122	197.	409.
123	198.	529.
124	199.	469.9
125	200.	556.
126	201.	584.9
127	202.	366.
128	203.	577.8
129	204.	430.2
130	205.	406.7
131	206.	609.5
132	207.	616.6
133	208.	616.
134	209.	613.6
135	210.	768.9
136	211.	1338.9
137	212.	803.8
138	213.	564.5
139	214.	1782.
140	215.	1176.7
141	216.	970.5
142	217.	1346.9
143	218.	1009.7
144	219.	893.2
145	220.	1243.
146	221.	932.3
147	222.	1293.6
148	223.	1754.3
149	224.	2013.6
150	225.	2926.9
151	226.	2685.8
152	227.	3211.4
153	228.	3997.6
154	229.	3661.9
155	230.	4791.6
156	231.	4420.5
157	232.	4200.
158	233.	3656.6
159	234.	2978.5
160	235.	2489.4
161	236.	3128.1
162	237.	3700.3
163	238.	3558.6

164	239.	3800.5
165	240.	4374.5
166	241.	4422.7
167	242.	4060.7
168	243.	5996.2
169	244.	4072.2
170	245.	4373.
171	246.	5477.5
172	247.	4522.1
173	248.	5887.5
174	249.	4088.6
175	250.	3933.2
176	251.	3888.6
177	252.	4213.9
178	253.	3233.1
179	254.	3873.2
180	255.	3837.7
181	256.	4022.4
182	257.	5325.4
183	258.	4869.2
184	259.	4668.4
185	260.	5418.3
186	261.	3897.3
187	262.	4408.
188	263.	4476.1
189	264.	4180.2
190	265.	4637.1
191	266.	3333.4
192	267.	4457.9
193	268.	4351.3
194	269.	4782.3
195	270.	5216.6
196	271.	5617.5
197	272.	5451.6
198	273.	5227.1
199	274.	3790.2
200	275.	3516.4
201	276.	3190.1
202	277.	3038.
203	278.	2848.9
204	279.	2967.9
205	280.	3108.8
206	281.	3348.4
207	282.	3634.9
208	283.	3992.1
209	284.	4124.4
210	285.	4664.6
211	286.	4764.2

212	287.	5760.6
213	288.	5191.
214	289.	4914.8
215	290.	4568.6
216	291.	4015.2
217	292.	3486.2
218	293.	4078.8
219	294.	4167.7
220	295.	5790.7
221	296.	13771
222	297.	9538.6
223	298.	6280.1
224	299.	10177
225	300.	10107
226	301.	9178.7
227	302.	6423.9
228	303.	11799
229	304.	17051
230	305.	16640
231	306.	11740
232	307.	8524.4
233	308.	5654.2
234	309.	3411.3
235	310.	3690.7
236	311.	2257.4
237	312.	1721.5
238	313.	2138.2
239	314.	1950.5
240	315.	1903.7
241	316.	2021.4
242	317.	5621.8
243	318.	3847.8
244	319.	1880.1
245	320.	2300.
246	321.	2441.8
247	322.	1798.1
248	323.	1496.6
249	324.	1126.
250	325.	874.3
251	326.	551.9
252	327.	795.1
253	328.	1022.
254	329.	1261.9
255	330.	549.1
256	331.	461.3
257	332.	485.5
258	333.	740.9
259	334.	594.5

260	335.	687.8
261	336.	357.7
262	337.	573.7
263	338.	657.1
264	339.	429.5
265	340.	408.2
266	341.	353.2
267	342.	581.4
268	343.	341.8
269	344.	419.4
270	345.	414.3
271	346.	375.1
272	347.	214.7
273	348.	282.8
274	349.	396.
275	350.	311.3
276	351.	336.5
277	352.	343.9
278	353.	368.1
279	354.	368.4
280	355.	341.7
281	356.	385.2
282	357.	379.1
283	358.	272.1
284	359.	294.7
285	360.	251.2
286	361.	246.2
287	362.	230.3
288	363.	184.7
289	364.	221.8
290	365.	177.3
291	366.	147.9
292	367.	203.4
293	368.	115.2
294	369.	139.4
295	370.	98.4
296	371.	144.8
297	372.	154.7
298	373.	130.5
299	374.	145.4
300	375.	150.6
301	376.	122.4
302	377.	80.6
303	378.	119.
304	379.	78.4
305	380.	116.5
306	381.	116.1
307	382.	115.8

308	383.	187.2
309	384.	93.1
310	385.	195.1
311	386.	119.8
312	387.	109.2
313	388.	71.8
314	389.	142.2
315	390.	108.5
316	391.	69.
317	392.	70.5
318	393.	39.3
319	394.	75.3
320	395.	62.1
321	396.	65.5
322	397.	34.9
323	398.	55.9
324	399.	34.1
325	400.	59.9
326	401.	60.7
327	402.	59.4
328	403.	58.2
329	404.	28.6
330	405.	27.1
331	406.	28.3
332	407.	52.8
333	408.	51.6
334	409.	72.3
335	410.	27.6
336	411.	48.
337	412.	47.2
338	413.	46.4
339	414.	43.7
340	415.	42.7
341	416.	23.5
342	417.	22.3
343	418.	42.
344	419.	38.5
345	420.	42.1
346	421.	38.3
347	422.	20.4
348	423.	20.7
349	424.	36.2
350	425.	33.5
351	426.	36.5
352	427.	51.9
353	428.	34.
354	429.	30.4
355	430.	17.2

356	431.	16.7
357	432.	31.
358	433.	34.2
359	434.	33.1
360	435.	16.8
361	436.	16.6
362	437.	18.5
363	438.	33.
364	439.	0.3
365	440.	17.4
366	441.	0.3
367	442.	17.
368	443.	19.4
369	444.	17.2
370	445.	16.6
371	446.	16.4
372	447.	15.
373	448.	0.3
374	449.	13.4
375	450.	15.1
376	451.	12.4
377	452.	13.5
378	453.	13.
379	454.	9.7
380	455.	10.3
381	456.	10.9
382	457.	9.5
383	458.	9.3
384	459.	9.2
385	460.	9.8
386	461.	7.5
387	462.	7.9
388	463.	8.6
389	464.	7.5
390	465.	7.4
391	466.	6.6
392	467.	8.
393	468.	6.5
394	469.	6.3
395	470.	0.3
396	471.	6.7
397	472.	5.5
398	473.	5.7
399	474.	6.
400	475.	5.2
401	476.	4.6
402	477.	4.9
403	478.	4.7

404	479.	5.
405	480.	4.5
406	481.	4.3
407	482.	3.6
408	483.	4.1
409	484.	4.2
410	485.	4.1
411	486.	3.6
412	487.	3.2
413	488.	6.7
414	489.	3.4
415	490.	
416	491.	3.1
417	492.	2.9
418	493.	3.3
419	494.	5.2
420	495.	2.6
421	496.	5.3
422	497.	2.2
423	498.	2.5
424	499.	4.8
425	500.	2.2
426	501.	2.4
427	502.	2.7
428	503.	4.4
429	504.	4.
430	505.	2.3
431	506.	2.1
432	507.	4.1
433	508.	2.6
434	509.	4.1
435	510.	3.4
436	511.	3.7
437	512.	2.1
438	513.	3.1
439	514.	1.9
440	515.	3.
441	516.	3.6
442	517.	3.8
443	518.	3.3
444	519.	1.9
445	520.	3.4
446	521.	1.6
447	522.	3.1
448	523.	
449	524.	3.4
450	525.	3.1
451	526.	

452	527.	2.8
453	528.	3.
454	529.	1.6
455	530.	3.1
456	531.	2.7
457	532.	2.8
458	533.	2.6
459	534.	
460	535.	2.
461	536.	2.5
462	537.	2.6
463	538.	2.3
464	539.	2.5
465	540.	2.9
466	541.	2.4
467	542.	2.6
468	543.	3.4
469	544.	2.5
470	545.	2.2
471	546.	1.9
472	547.	2.5
473	548.	2.3
474	549.	3.
475	550.	2.4
476	551.	
477	552.	3.
478	553.	2.7
479	554.	2.1
480	555.	3.1
481	560.	0.
482	565.	
483	570.	
484	575.	
485	580.	
486	585.	
487	590.	
488	595.	
489	600.	
490	700.	
491	800.	
492	900.	
493	1000.	
494	1200.	
495	1400.	
496	1600.	
497	1800.	
498	2000.	
499	2200.	

500	2400.	
501	2600.	
502	2800.	
503	3000.	
504	3200.	
505	3400.	
506	3600.	
507	3800.	
508	4000.	
509	4200.	
510	4400.	
511	4600.	
512	4800.	
513	5000.	
514	5200.	
515	5400.	
516	5600.	
517	5800.	
518	6000.	
519	6200.	
520	6400.	
521	6600.	
522	6800.	
523	7000.	
524	7200.	

FIGURE 10
Model (L4) > Transient Thermal (L5) > Radiation

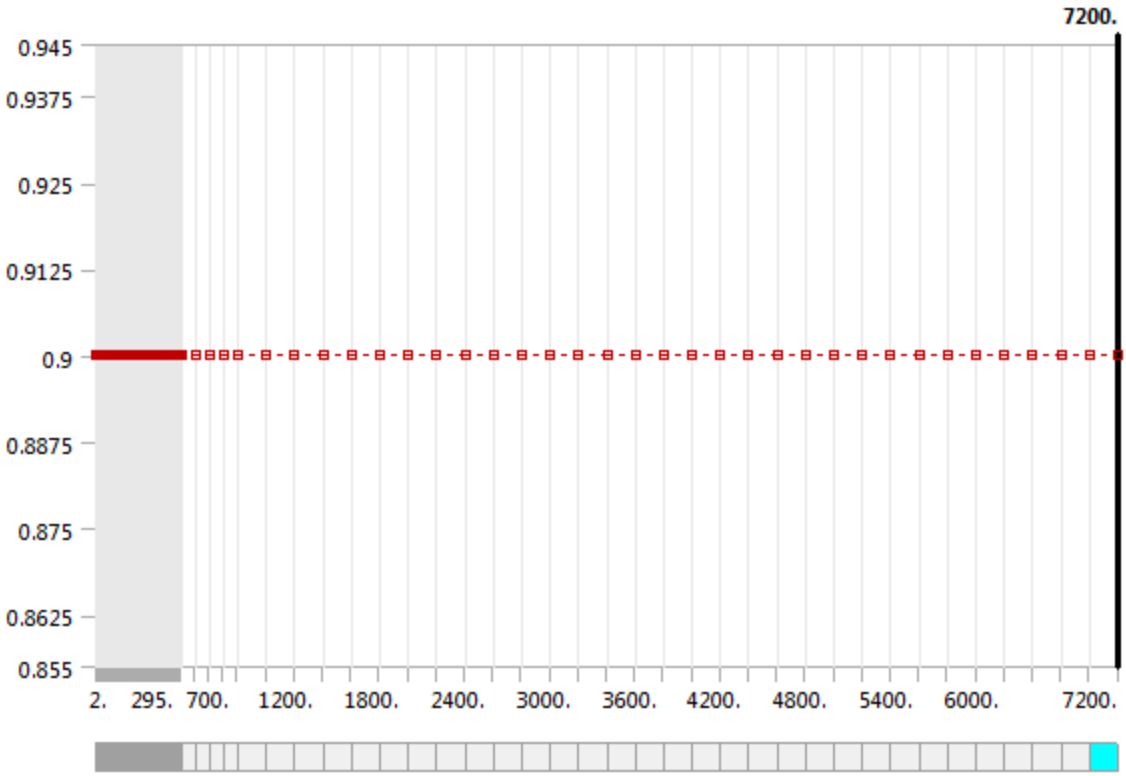

FIGURE 11
Model (L4) > Transient Thermal (L5) > Radiation 8

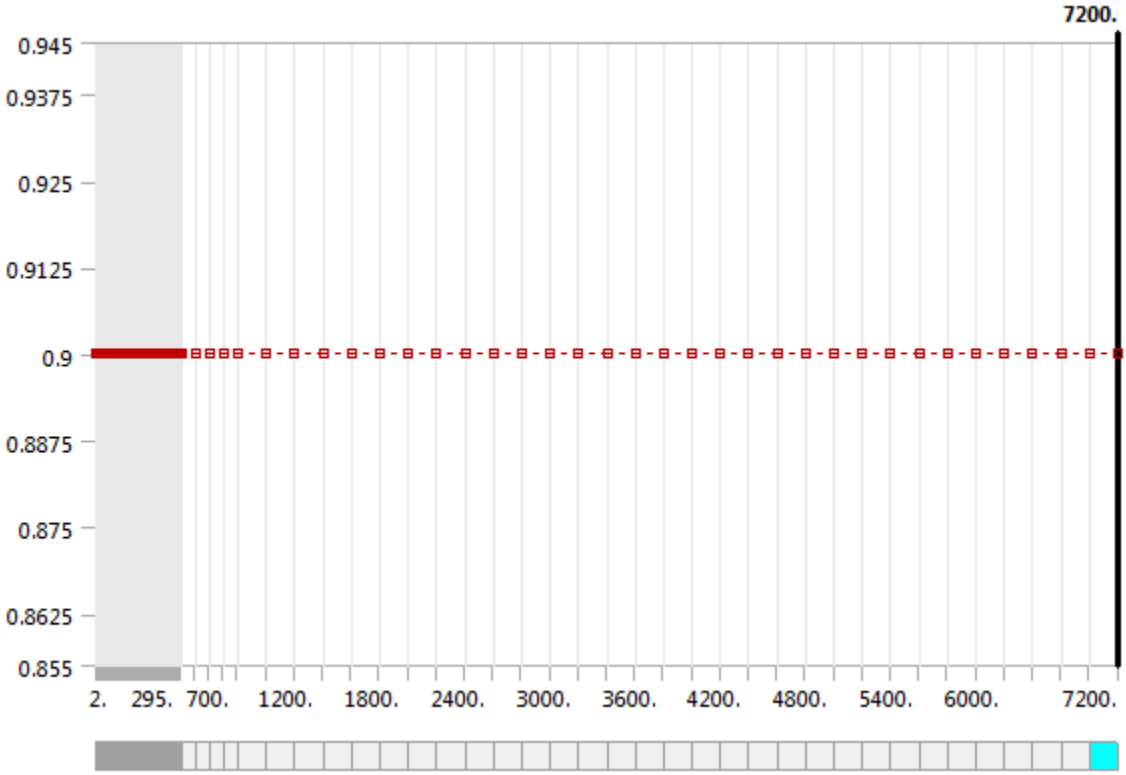

TABLE 22
Model (L4) > Transient Thermal (L5) > Loads

Object Name	*Radiation 9*	*Radiation 10*	*Radiation 11*	*Radiation 12*	*Radiation 13*	*Heat Flux 2*
State	Fully Defined					
Scope						
Scoping Method	Geometry Selection					
Geometry	4 Edges	1 Edge	2 Edges	1 Edge	5 Edges	1 Edge
Definition						
Type	Radiation					Heat Flux
Correlation	Surface to Surface				To Ambient	
Emissivity	0.9 (step applied)				1. (step applied)	
Enclosure	2.					
Enclosure Type	Perfect					
Suppressed	No					
Ambient Temperature					16.85 °C (step applied)	
Magnitude						Tabular Data

FIGURE 12
Model (L4) > Transient Thermal (L5) > Radiation 9

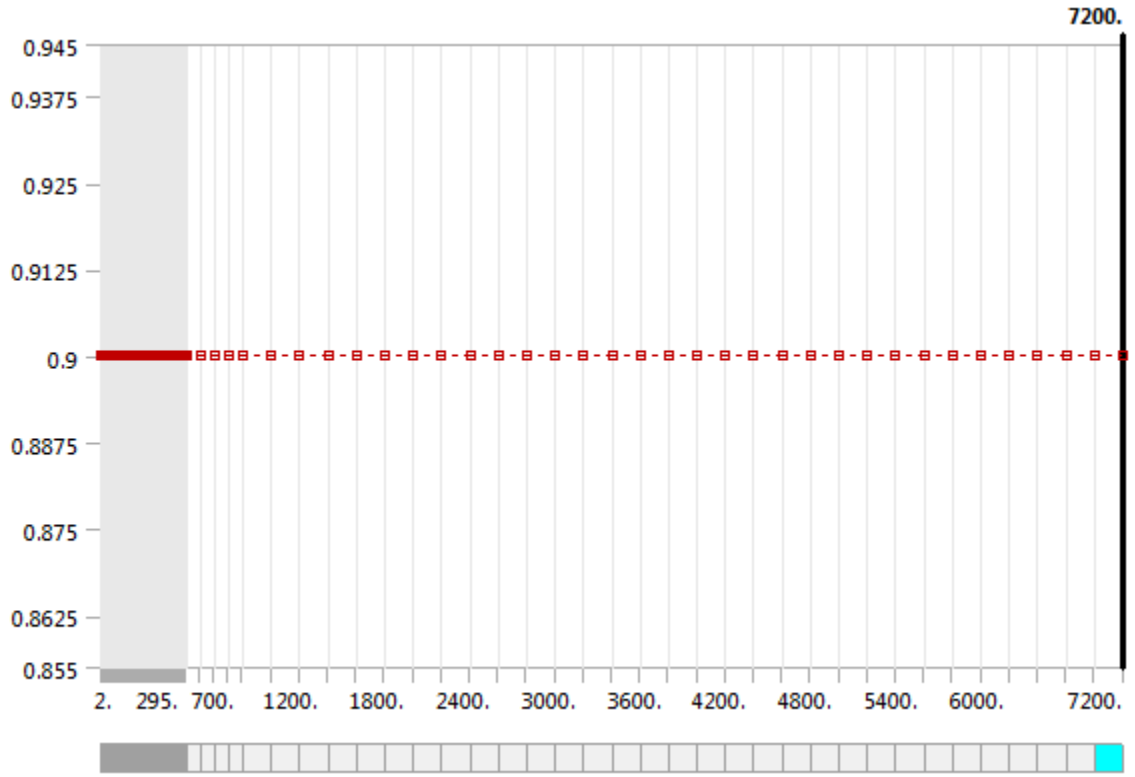

FIGURE 13
Model (L4) > Transient Thermal (L5) > Radiation 10

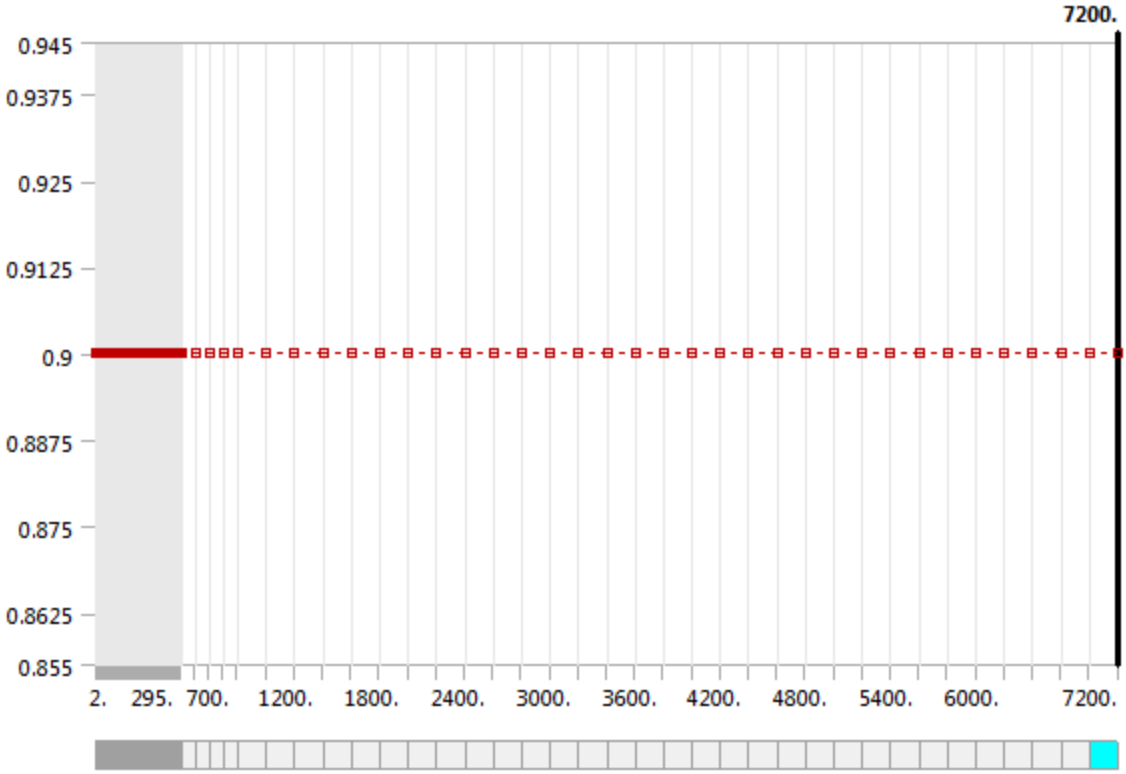

FIGURE 14
Model (L4) > Transient Thermal (L5) > Radiation 11

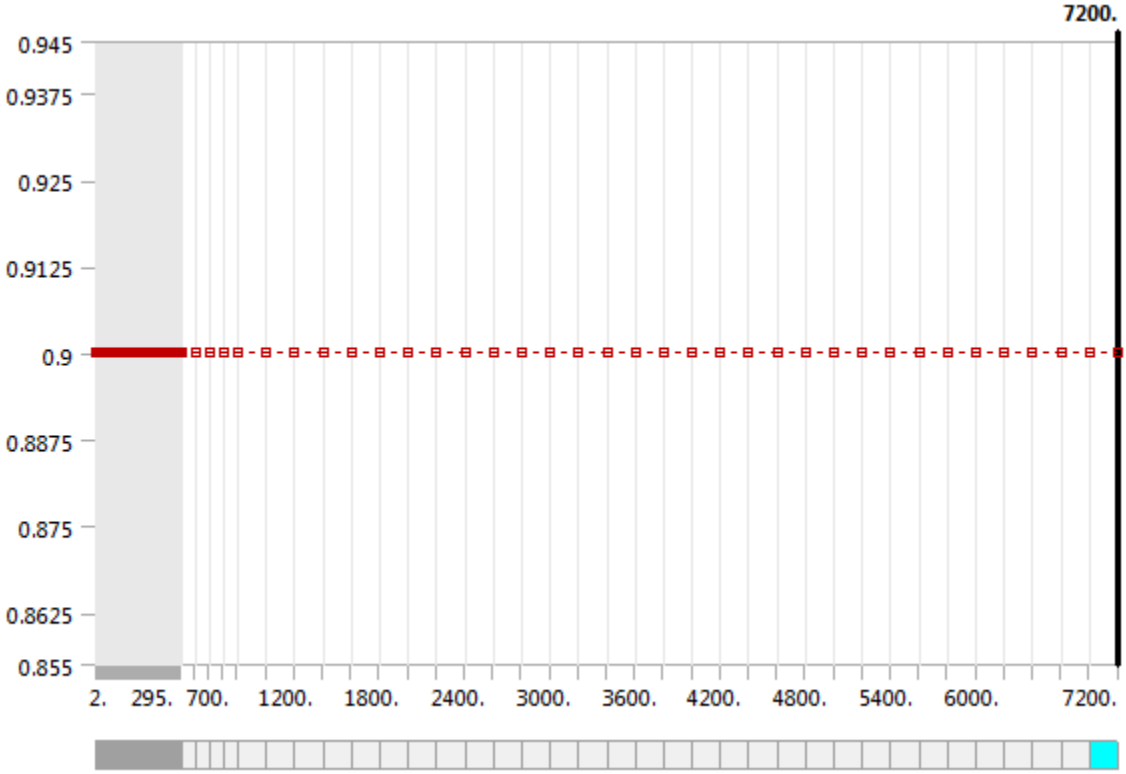

FIGURE 15
Model (L4) > Transient Thermal (L5) > Radiation 12

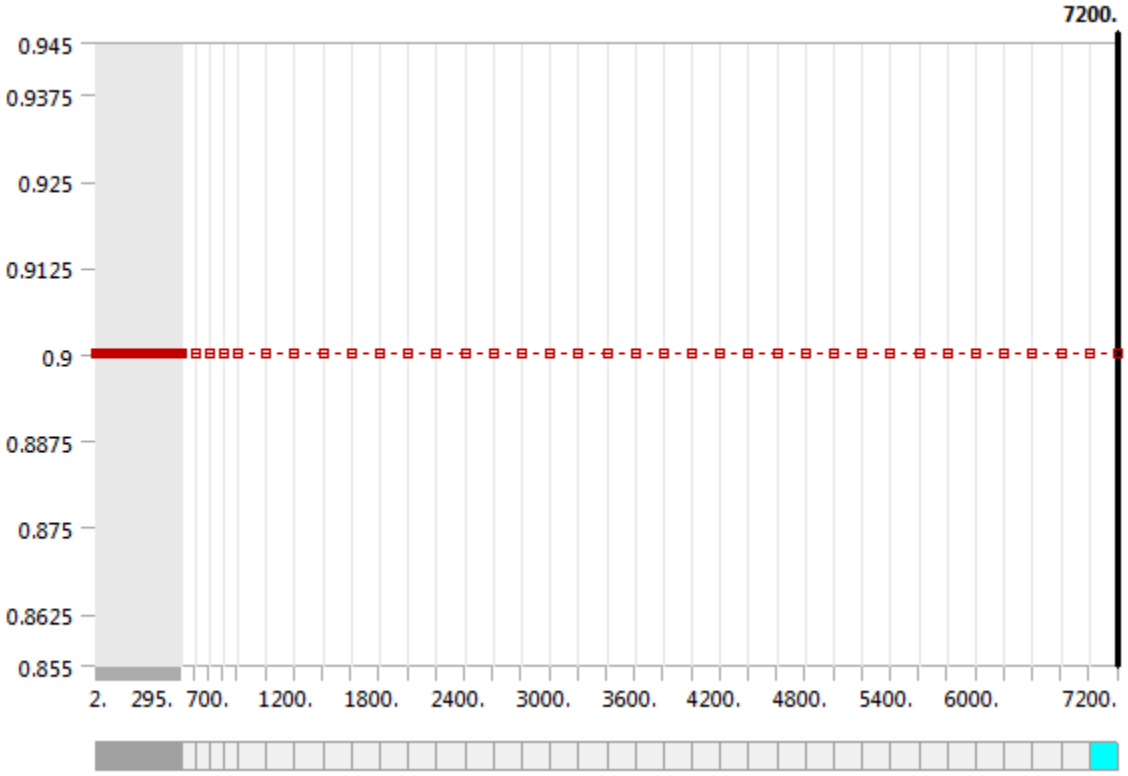

FIGURE 16
Model (L4) > Transient Thermal (L5) > Radiation 13

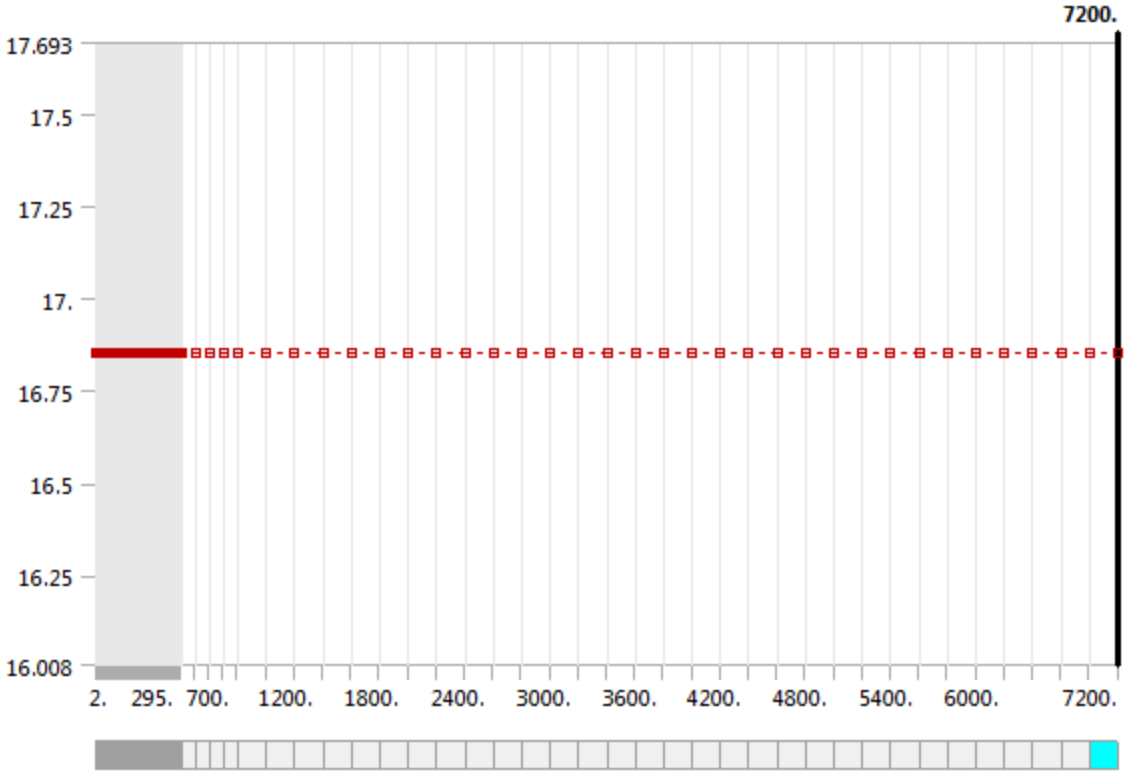

FIGURE 17
Model (L4) > Transient Thermal (L5) > Heat Flux 2

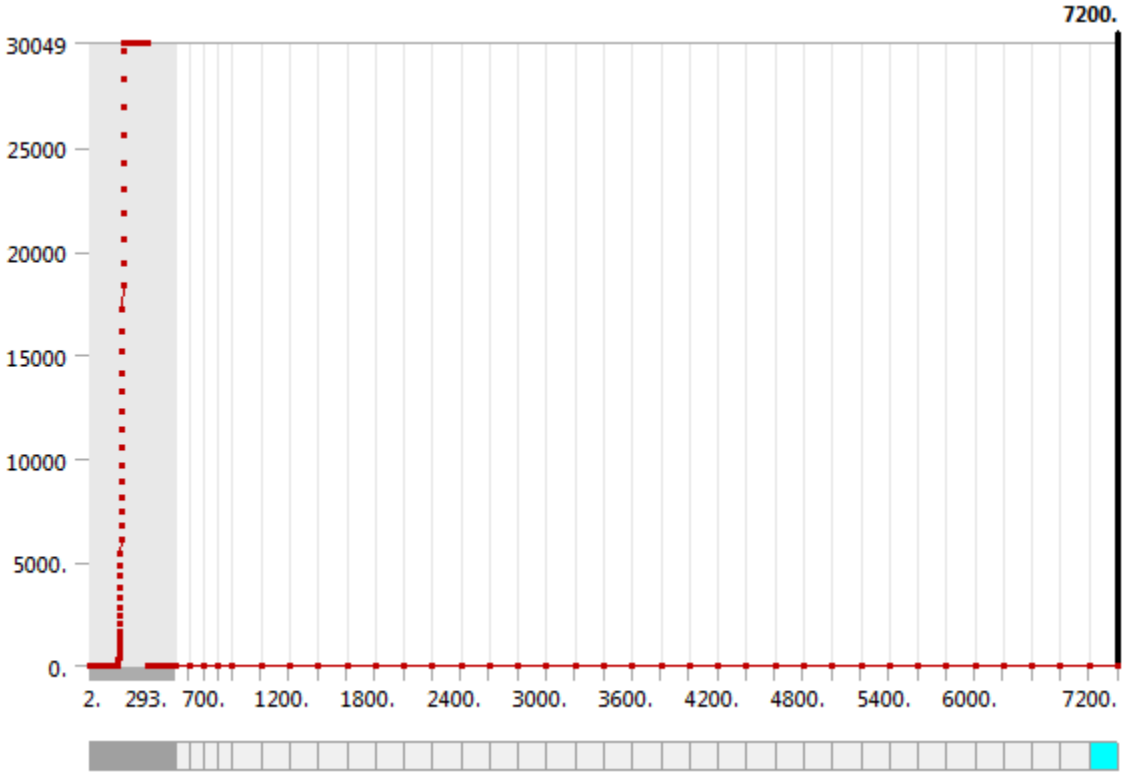

TABLE 23
Model (L4) > Transient Thermal (L5) > Heat Flux 2

Steps	Time [s]	Heat Flux [W/m²]
1	0.	0.
	2.	
2	4.	
3	6.	
4	8.	
5	10.	
6	12.	
7	14.	
8	16.	
9	18.	
10	20.	
11	22.	
12	24.	
13	26.	
14	28.	
15	30.	
16	32.	
17	34.	
18	36.	
19	38.	
20	40.	
21	42.	
22	44.	
23	46.	
24	48.	
25	50.	
26	52.	
27	54.	
28	56.	
29	58.	
30	60.	
31	62.	
32	64.	
33	66.	
34	68.	
35	70.	
36	72.	
37	74.	
38	76.	
39	78.	
40	80.	
41	82.	
42	84.	
43	86.	
44	88.	
45	90.	

46	92.	
47	94.	
48	96.	
49	98.	
50	100.	
51	102.	
52	104.	
53	106.	
54	108.	
55	110.	
56	112.	
57	114.	
58	116.	
59	118.	
60	120.	
61	122.	
62	124.	
63	126.	
64	128.	
65	130.	
66	132.	
67	134.	
68	136.	
69	138.	
70	140.	
71	142.	
72	144.	
73	146.	
74	148.	
75	150.	
76	151.	
77	152.	
78	153.	
79	154.	
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81	156.	
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85	160.	
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89	164.	
90	165.	
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92	167.	
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94	169.	
95	170.	
96	171.	
97	172.	
98	173.	
99	174.	
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116	191.	
117	192.	
118	193.	
119	194.	
120	195.	
121	196.	
122	197.	
123	198.	
124	199.	
125	200.	16.828
126	201.	67.31
127	202.	151.45
128	203.	269.24
129	204.	420.69
130	205.	605.79
131	206.	824.55
132	207.	1077.
133	208.	1363.
134	209.	1682.8
135	210.	2036.1
136	211.	2423.2
137	212.	2843.9
138	213.	3298.2
139	214.	3786.2
140	215.	4307.9
141	216.	4863.2

142	217.	5452.1
143	218.	6074.8
144	219.	6731.
145	220.	7421.
146	221.	8144.6
147	222.	8901.8
148	223.	9692.7
149	224.	10517
150	225.	11375
151	226.	12267
152	227.	13193
153	228.	14152
154	229.	15145
155	230.	16171
156	231.	17231
157	232.	18325
158	233.	19453
159	234.	20614
160	235.	21809
161	236.	23037
162	237.	24299
163	238.	25595
164	239.	26924
165	240.	28287
166	241.	29684
167	242.	
168	243.	
169	244.	
170	245.	
171	246.	
172	247.	
173	248.	
174	249.	
175	250.	
176	251.	
177	252.	
178	253.	30049
179	254.	
180	255.	
181	256.	
182	257.	
183	258.	
184	259.	
185	260.	
186	261.	
187	262.	
188	263.	
189	264.	

190	265.	
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192	267.	
193	268.	
194	269.	
195	270.	
196	271.	
197	272.	
198	273.	
199	274.	
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201	276.	
202	277.	
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205	280.	
206	281.	
207	282.	
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211	286.	
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213	288.	
214	289.	
215	290.	
216	291.	
217	292.	
218	293.	
219	294.	
220	295.	
221	296.	
222	297.	
223	298.	
224	299.	
225	300.	
226	301.	
227	302.	
228	303.	
229	304.	
230	305.	
231	306.	
232	307.	
233	308.	
234	309.	
235	310.	
236	311.	
237	312.	

238	313.	
239	314.	
240	315.	
241	316.	
242	317.	
243	318.	
244	319.	
245	320.	
246	321.	
247	322.	
248	323.	
249	324.	
250	325.	
251	326.	
252	327.	
253	328.	
254	329.	
255	330.	
256	331.	
257	332.	
258	333.	
259	334.	
260	335.	
261	336.	
262	337.	
263	338.	
264	339.	
265	340.	
266	341.	
267	342.	
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270	345.	
271	346.	
272	347.	
273	348.	
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276	351.	
277	352.	
278	353.	
279	354.	
280	355.	
281	356.	
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283	358.	
284	359.	
285	360.	

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287	362.	
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289	364.	
290	365.	
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292	367.	
293	368.	
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295	370.	
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297	372.	
298	373.	
299	374.	
300	375.	
301	376.	
302	377.	
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305	380.	
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307	382.	
308	383.	
309	384.	
310	385.	
311	386.	
312	387.	
313	388.	
314	389.	
315	390.	
316	391.	
317	392.	
318	393.	
319	394.	
320	395.	
321	396.	
322	397.	
323	398.	
324	399.	
325	400.	
326	401.	
327	402.	
328	403.	
329	404.	
330	405.	
331	406.	
332	407.	
333	408.	

334	409.	
335	410.	
336	411.	
337	412.	
338	413.	
339	414.	
340	415.	
341	416.	
342	417.	
343	418.	
344	419.	
345	420.	
346	421.	
347	422.	
348	423.	
349	424.	
350	425.	
351	426.	
352	427.	
353	428.	
354	429.	
355	430.	
356	431.	
357	432.	
358	433.	
359	434.	0.
360	435.	
361	436.	
362	437.	
363	438.	
364	439.	
365	440.	
366	441.	
367	442.	
368	443.	
369	444.	
370	445.	
371	446.	
372	447.	
373	448.	
374	449.	
375	450.	
376	451.	
377	452.	
378	453.	
379	454.	
380	455.	
381	456.	

382	457.	
383	458.	
384	459.	
385	460.	
386	461.	
387	462.	
388	463.	
389	464.	
390	465.	
391	466.	
392	467.	
393	468.	
394	469.	
395	470.	
396	471.	
397	472.	
398	473.	
399	474.	
400	475.	
401	476.	
402	477.	
403	478.	
404	479.	
405	480.	
406	481.	
407	482.	
408	483.	
409	484.	
410	485.	
411	486.	
412	487.	
413	488.	
414	489.	
415	490.	
416	491.	
417	492.	
418	493.	
419	494.	
420	495.	
421	496.	
422	497.	
423	498.	
424	499.	
425	500.	
426	501.	
427	502.	
428	503.	
429	504.	

430	505.	
431	506.	
432	507.	
433	508.	
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435	510.	
436	511.	
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441	516.	
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443	518.	
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448	523.	
449	524.	
450	525.	
451	526.	
452	527.	
453	528.	
454	529.	
455	530.	
456	531.	
457	532.	
458	533.	
459	534.	
460	535.	
461	536.	
462	537.	
463	538.	
464	539.	
465	540.	
466	541.	
467	542.	
468	543.	
469	544.	
470	545.	
471	546.	
472	547.	
473	548.	
474	549.	
475	550.	
476	551.	
477	552.	

478	553.	
479	554.	
480	555.	
481	560.	
482	565.	
483	570.	
484	575.	
485	580.	
486	585.	
487	590.	
488	595.	
489	600.	
490	700.	
491	800.	
492	900.	
493	1000.	
494	1200.	
495	1400.	
496	1600.	
497	1800.	
498	2000.	
499	2200.	
500	2400.	
501	2600.	
502	2800.	
503	3000.	
504	3200.	
505	3400.	
506	3600.	
507	3800.	
508	4000.	
509	4200.	
510	4400.	
511	4600.	
512	4800.	
513	5000.	
514	5200.	
515	5400.	
516	5600.	
517	5800.	
518	6000.	
519	6200.	
520	6400.	
521	6600.	
522	6800.	
523	7000.	
524	7200.	

Solution (L6)

TABLE 24
Model (L4) > Transient Thermal (L5) > Solution

Object Name	*Solution (L6)*
State	Solved
Adaptive Mesh Refinement	
Max Refinement Loops	1.
Refinement Depth	2.
Information	
Status	Done
MAPDL Elapsed Time	42 m 56 s
MAPDL Memory Used	2.5947 GB
MAPDL Result File Size	17.213 GB
Post Processing	
Calculate Beam Section Results	No

TABLE 25
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information

Object Name	*Solution Information*
State	Solved
Solution Information	
Solution Output	Solver Output
Update Interval	2.5 s
Display Points	All
FE Connection Visibility	
Activate Visibility	Yes
Display	All FE Connectors
Draw Connections Attached To	All Nodes
Line Color	Connection Type
Visible on Results	No
Line Thickness	Single
Display Type	Lines

TABLE 26
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information > Result Charts

Object Name	*Temperature - Global Maximum*	*Temperature - Global Minimum*
State	Solved	
Definition		
Type	Temperature	
Suppressed	No	
Scope		
Scoping Method	Global Maximum	Global Minimum
Results		
Minimum	23.934 °C	16.85 °C
Maximum	263.89 °C	16.85 °C

FIGURE 18
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information > Temperature - Global Maximum

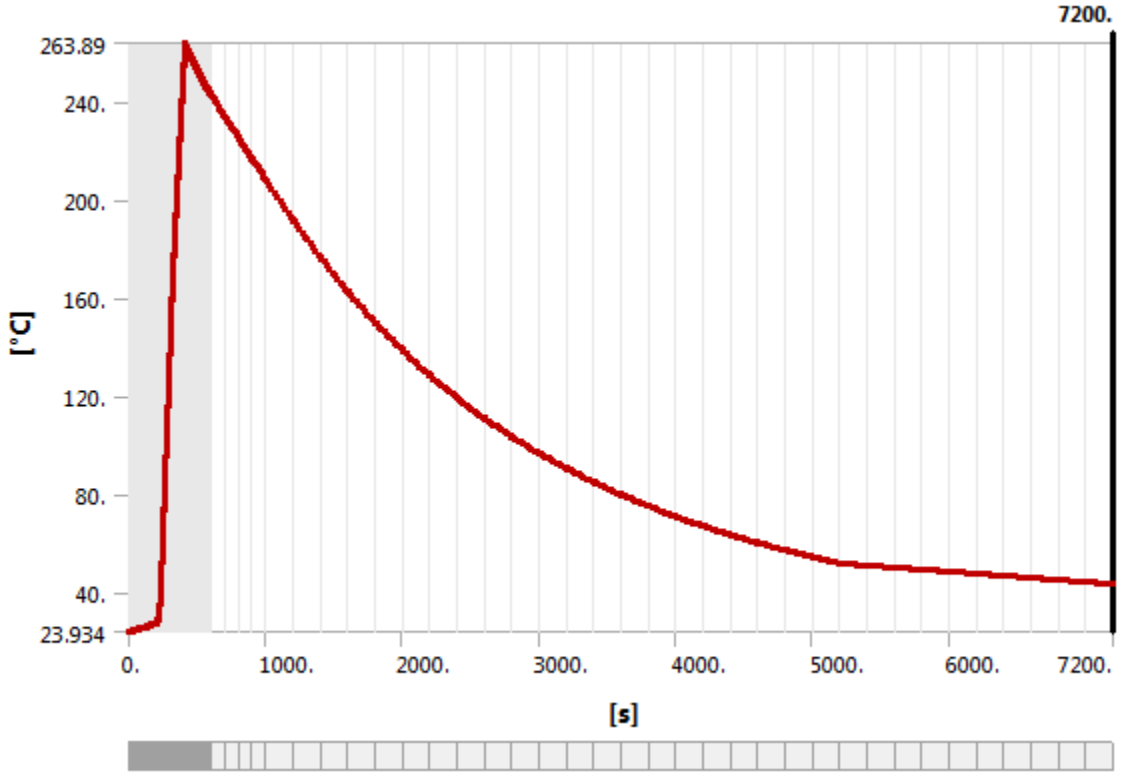

FIGURE 19
Model (L4) > Transient Thermal (L5) > Solution (L6) > Solution Information > Temperature - Global Minimum

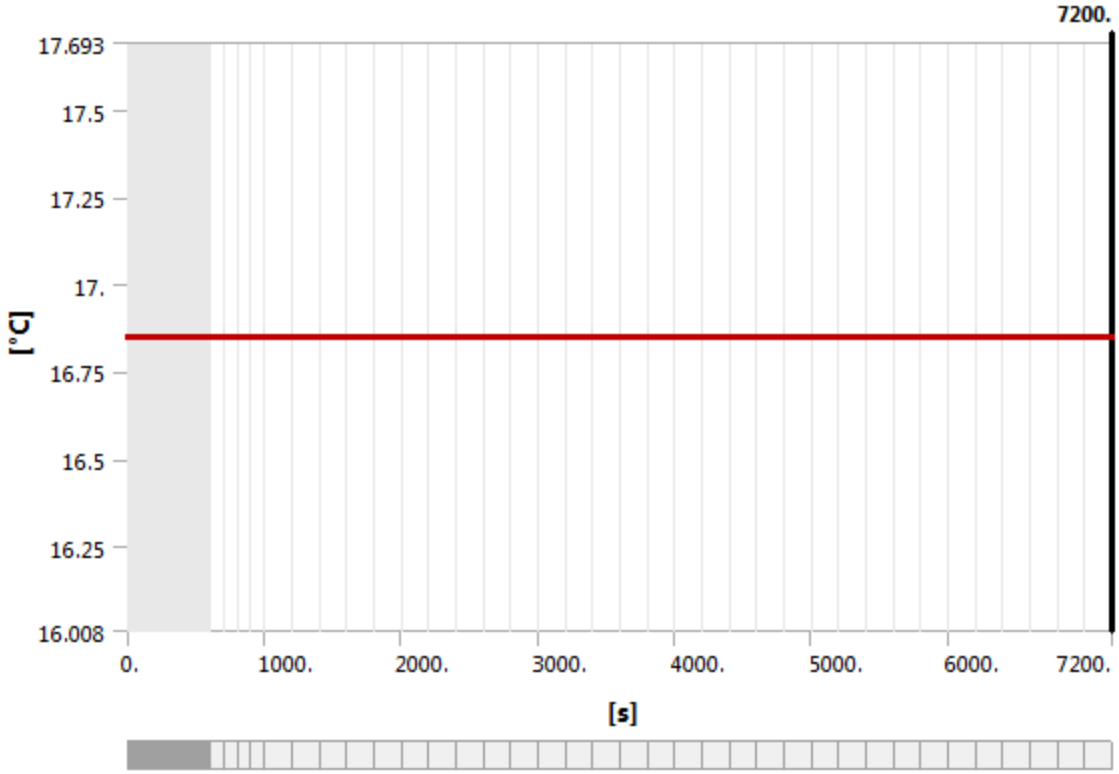

TABLE 27
Model (L4) > Transient Thermal (L5) > Solution (L6) > Results

Object Name	*Overall T*	*Drum Content T*	*Drum T*	*SWB T*	*Permacon T*
State	Solved				
Scope					
Scoping Method	Geometry Selection				
Geometry	All Bodies	1 Face	6 Faces	5 Faces	
Definition					
Type	Temperature				
By	Time				
Display Time	2548. s	Last			432. s
Calculate Time History	Yes				
Identifier					
Suppressed	No				
Results					
Minimum	21.806 °C	23.895 °C	25.518 °C	28.056 °C	46.311 °C
Maximum	113.11 °C	31.814 °C	42.411 °C	39.288 °C	260.71 °C
Minimum Occurs On	Surface Body				
Maximum Occurs On	Surface Body				
Minimum Value Over Time					
Minimum	19.389 °C	23.89 °C			19.389 °C
Maximum	22.25 °C	23.895 °C	25.518 °C	30.27 °C	47.828 °C
Maximum Value Over Time					
Minimum	23.934 °C	23.89 °C			23.885 °C
Maximum	263.89 °C	35.316 °C	58.439 °C	62.885 °C	263.89 °C

Information			
Time	2548. s	7200. s	432. s
Load Step	501	524	357
Substep	10	13	
Iteration Number	6592	6905	4644

FIGURE 20
Model (L4) > Transient Thermal (L5) > Solution (L6) > Overall T

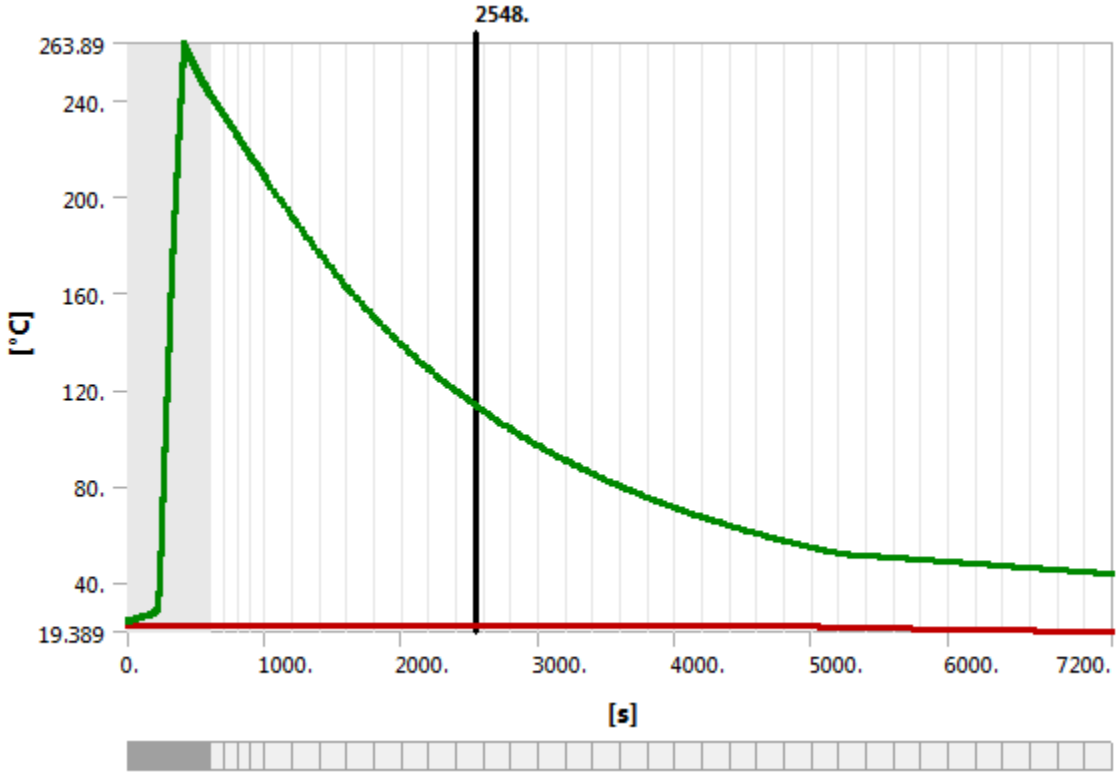

TABLE 28
Model (L4) > Transient Thermal (L5) > Solution (L6) > Overall T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	22.25	24.129
4.e-002		
0.1		24.126
0.28		24.12
0.48		24.113
0.68		24.106
0.88		24.099
1.08		24.092
1.28		24.085
1.48		24.079
1.68		24.072
1.88		24.065
2.		24.061
2.02		24.06

2.04		
2.1		24.058
2.28		24.052
2.48		24.045
2.68		24.039
2.88		24.033
3.08		24.026
3.28		24.02
3.48		24.014
3.68		24.008
3.88		24.002
4.		23.999
4.02		23.998
4.04		
4.1		23.996
4.28		23.991
4.48		23.985
4.68		23.979
4.88		23.974
5.08		23.968
5.28		23.963
5.48		23.958
5.68		23.954
5.88		
6.		
6.02		
6.04		
6.1		23.953
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		23.952
7.48		
7.68		
7.88		
8.		23.951
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		23.95
8.88		
9.08		23.949
9.28		
9.48		

9.68		23.948
9.88		
10.		23.947
10.02		
10.04		
10.1		
10.28		
10.48		23.946
10.68		
10.88		23.945
11.08		
11.28		23.944
11.48		
11.68		23.943
11.88		
12.		23.942
12.02		
12.04		
12.1		
12.28		23.941
12.48		
12.68		23.94
12.88		
13.08		23.939
13.28		
13.48		23.938
13.68		
13.88		23.937
14.		
14.02		
14.04		
14.1		23.936
14.28		
14.48		23.935
14.68		
14.88		
15.08		23.934
15.28		
15.48		23.935
15.68		23.945
15.88		23.955
16.		23.962
16.02		23.963
16.04		
16.1		23.966
16.28		23.973
16.48		23.98
16.68		23.986

16.88		23.993
17.08		23.998
17.28		24.004
17.48		24.009
17.68		24.014
17.88		24.019
18.		24.022
18.02		24.023
18.04		
18.1		24.025
18.28		24.031
18.48		24.037
18.68		24.044
18.88		24.051
19.08		24.058
19.28		24.065
19.48		24.072
19.68		24.08
19.88		24.088
20.		24.092
20.02		24.093
20.04		24.094
20.1		24.096
20.28		24.101
20.48		24.106
20.68		24.11
20.88		24.114
21.08		24.118
21.28		24.121
21.48		24.124
21.68		24.127
21.88		24.13
22.		24.131
22.02		24.132
22.04		
22.1		24.133
22.28		24.136
22.48		24.14
22.68		24.144
22.88		24.148
23.08		24.152
23.28		24.156
23.48		24.16
23.68		24.164
23.88		24.169
24.		24.171
24.02		24.172
24.04		

24.1		24.173
24.28		24.176
24.48		24.179
24.68		24.182
24.88		24.185
25.08		24.187
25.28		24.189
25.48		24.191
25.68		24.193
25.88		24.195
26.		24.196
26.02		
26.04		
26.1		24.197
26.28		24.2
26.48		24.204
26.68		24.209
26.88		24.214
27.08		24.22
27.28		24.225
27.48		24.231
27.68		24.238
27.88		24.244
28.		24.248
28.02		24.249
28.04		
28.1		24.251
28.28		24.255
28.48		24.259
28.68		24.263
28.88		24.267
29.08		24.27
29.28		24.273
29.48		24.276
29.68		24.279
29.88		24.281
30.		24.283
30.02		
30.04		
30.1		24.284
30.28		24.287
30.48		24.29
30.68		24.294
30.88		24.297
31.08		24.301
31.28		24.304
31.48		24.308
31.68		24.312

31.88		24.315
32.		24.317
32.02		24.318
32.04		
32.1		24.319
32.28		24.322
32.48		24.324
32.68		24.327
32.88		24.329
33.08		24.331
33.28		24.333
33.48		24.334
33.68		24.336
33.88		24.338
34.		
34.02		
34.04		24.339
34.1		
34.28		24.341
34.48		24.344
34.68		24.346
34.88		24.349
35.08		24.352
35.28		24.355
35.48		24.358
35.68		24.361
35.88		24.364
36.		24.366
36.02		24.367
36.04		
36.1		24.368
36.28		24.371
36.48		24.374
36.68		24.377
36.88		24.38
37.08		24.383
37.28		24.386
37.48		24.389
37.68		24.392
37.88		24.396
38.		24.398
38.02		
38.04		
38.1		24.399
38.28		24.402
38.48		24.405
38.68		24.407
38.88		24.41

39.08		24.413
39.28		24.415
39.48		24.418
39.68		24.42
39.88		24.423
40.		24.424
40.02		
40.04		24.425
40.1		
40.28		24.429
40.48		24.433
40.68		24.437
40.88		24.442
41.08		24.447
41.28		24.452
41.48		24.457
41.68		24.463
41.88		24.469
42.		24.472
42.02		24.473
42.04		
42.1		24.475
42.28		24.479
42.48		24.483
42.68		24.488
42.88		24.492
43.08		24.496
43.28		24.5
43.48		24.504
43.68		24.507
43.88		24.511
44.		24.513
44.02		24.514
44.04		
44.1		24.515
44.28		24.518
44.48		24.521
44.68		24.524
44.88		24.527
45.08		24.53
45.28		24.533
45.48		24.535
45.68		24.538
45.88		24.54
46.		24.542
46.02		
46.04		
46.1		24.543

46.28		24.545
46.48		24.548
46.68		24.551
46.88		24.554
47.08		24.557
47.28		24.56
47.48		24.562
47.68		24.565
47.88		24.568
48.		24.57
48.02		
48.04		
48.1		24.571
48.28		24.575
48.48		24.578
48.68		24.582
48.88		24.587
49.08		24.591
49.28		24.596
49.48		24.6
49.68		24.605
49.88		24.61
50.		24.613
50.02		
50.04		24.614
50.1		24.615
50.28		24.619
50.48		24.624
50.68		24.628
50.88		24.632
51.08		24.637
51.28		24.641
51.48		24.645
51.68		24.65
51.88		24.654
52.		24.656
52.02		24.657
52.04		
52.1		24.658
52.28		24.662
52.48		24.665
52.68		24.668
52.88		24.671
53.08		24.674
53.28		24.676
53.48		24.679
53.68		24.681
53.88		24.683

54.		24.685
54.02		
54.04		
54.1		24.686
54.28		24.688
54.48		24.691
54.68		24.693
54.88		24.696
55.08		24.699
55.28		24.701
55.48		24.704
55.68		24.706
55.88		24.709
56.		24.711
56.02		
56.04		
56.1		24.712
56.28		24.715
56.48		24.719
56.68		24.722
56.88		24.726
57.08		24.731
57.28		24.735
57.48		24.739
57.68		24.744
57.88		24.748
58.		24.751
58.02		24.752
58.04		
58.1		24.753
58.28		24.757
58.48		24.761
58.68		24.765
58.88		24.769
59.08		24.773
59.28		24.777
59.48		24.781
59.68		24.785
59.88		24.789
60.		24.791
60.02		24.792
60.04		
60.1		24.793
60.28		24.796
60.48		24.8
60.68		24.803
60.88		24.806
61.08		24.809

61.28		24.812
61.48		24.815
61.68		24.817
61.88		24.82
62.		24.821
62.02		24.822
62.04		
62.1		24.823
62.28		24.826
62.48		24.83
62.68		24.834
62.88		24.838
63.08		24.843
63.28		24.847
63.48		24.852
63.68		24.857
63.88		24.861
64.		24.864
64.02		24.865
64.04		
64.1		24.867
64.28		24.872
64.48		24.878
64.68		24.885
64.88		24.892
65.08		24.899
65.28		24.906
65.48		24.913
65.68		24.921
65.88		24.929
66.		24.933
66.02		24.934
66.04		24.935
66.1		24.937
66.28		24.942
66.48		24.947
66.68		24.952
66.88		24.956
67.08		24.96
67.28		24.963
67.48		24.966
67.68		24.969
67.88		24.972
68.		24.974
68.02		
68.04		
68.1		24.975
68.28		24.979

68.48		24.983
68.68		24.988
68.88		24.993
69.08		24.998
69.28		25.004
69.48		25.009
69.68		25.014
69.88		25.02
70.		25.023
70.02		25.024
70.04		25.025
70.1		25.026
70.28		25.03
70.48		25.035
70.68		25.039
70.88		25.043
71.08		25.047
71.28		25.051
71.48		25.055
71.68		25.058
71.88		25.062
72.		25.064
72.02		
72.04		25.065
72.1		25.066
72.28		25.07
72.48		25.075
72.68		25.08
72.88		25.085
73.08		25.091
73.28		25.096
73.48		25.102
73.68		25.108
73.88		25.114
74.		25.117
74.02		25.118
74.04		
74.1		25.12
74.28		25.125
74.48		25.13
74.68		25.136
74.88		25.141
75.08		25.146
75.28		25.151
75.48		25.156
75.68		25.161
75.88		25.166
76.		25.169

76.02		
76.04		25.17
76.1		25.171
76.28		25.175
76.48		25.179
76.68		25.182
76.88		25.186
77.08		25.189
77.28		25.192
77.48		25.195
77.68		25.198
77.88		25.201
78.		25.202
78.02		
78.04		25.203
78.1		25.204
78.28		25.207
78.48		25.211
78.68		25.215
78.88		25.219
79.08		25.223
79.28		25.227
79.48		25.232
79.68		25.236
79.88		25.241
80.		25.243
80.02		25.244
80.04		
80.1		25.246
80.28		25.249
80.48		25.253
80.68		25.257
80.88		25.26
81.08		25.264
81.28		25.267
81.48		25.271
81.68		25.274
81.88		25.277
82.		25.279
82.02		
82.04		25.28
82.1		25.281
82.28		25.283
82.48		25.286
82.68		25.288
82.88		25.29
83.08		25.293
83.28		25.295

83.48		25.297
83.68		25.298
83.88		25.3
84.		25.301
84.02		
84.04		
84.1		25.302
84.28		25.304
84.48		25.306
84.68		25.309
84.88		25.311
85.08		25.314
85.28		25.316
85.48		25.319
85.68		25.322
85.88		25.324
86.		25.326
86.02		
86.04		
86.1		25.327
86.28		25.33
86.48		25.333
86.68		25.337
86.88		25.34
87.08		25.344
87.28		25.347
87.48		25.351
87.68		25.355
87.88		25.359
88.		25.361
88.02		25.362
88.04		
88.1		25.363
88.28		25.366
88.48		25.369
88.68		25.372
88.88		25.374
89.08		25.377
89.28		25.379
89.48		25.381
89.68		25.383
89.88		25.385
90.		25.386
90.02		25.387
90.04		
90.1		
90.28		25.389
90.48		25.392

90.68		25.394
90.88		25.396
91.08		25.398
91.28		25.4
91.48		25.403
91.68		25.405
91.88		25.407
92.		25.408
92.02		
92.04		25.409
92.1		
92.28		25.412
92.48		25.415
92.68		25.418
92.88		25.421
93.08		25.425
93.28		25.428
93.48		25.432
93.68		25.436
93.88		25.44
94.		25.442
94.02		25.443
94.04		
94.1		25.444
94.28		25.447
94.48		25.45
94.68		25.453
94.88		25.456
95.08		25.459
95.28		25.461
95.48		25.464
95.68		25.466
95.88		25.469
96.		25.47
96.02		25.471
96.04		
96.1		25.472
96.28		25.474
96.48		25.477
96.68		25.48
96.88		25.482
97.08		25.485
97.28		25.488
97.48		25.491
97.68		25.494
97.88		25.496
98.		25.498
98.02		

98.04		25.499
98.1		
98.28		25.502
98.48		25.504
98.68		25.507
98.88		25.51
99.08		25.512
99.28		25.515
99.48		25.517
99.68		25.519
99.88		25.522
100.		25.523
100.02		
100.04		25.524
100.1		
100.28		25.527
100.48		25.529
100.68		25.532
100.88		25.534
101.08		25.536
101.28		25.539
101.48		25.541
101.68		25.544
101.88		25.546
102.		25.548
102.02		
102.04		
102.1		25.549
102.28		25.551
102.48		25.553
102.68		25.556
102.88		25.558
103.08		25.561
103.28		25.563
103.48		25.565
103.68		25.568
103.88		25.57
104.		25.571
104.02		25.572
104.04		
104.1		25.573
104.28		25.575
104.48		25.577
104.68		25.58
104.88		25.583
105.08		25.585
105.28		25.588
105.48		25.59

105.68		25.593
105.88		25.596
106.		25.597
106.02		
106.04		25.598
106.1		25.599
106.28		25.601
106.48		25.604
106.68		25.607
106.88		25.61
107.08		25.614
107.28		25.617
107.48		25.62
107.68		25.623
107.88		25.627
108.		25.629
108.02		
108.04		25.63
108.1		25.631
108.28		25.634
108.48		25.638
108.68		25.642
108.88		25.646
109.08		25.65
109.28		25.655
109.48		25.659
109.68		25.663
109.88		25.668
110.		25.671
110.02		
110.04		25.672
110.1		25.673
110.28		25.677
110.48		25.681
110.68		25.685
110.88		25.689
111.08		25.693
111.28		25.696
111.48		25.7
111.68		25.704
111.88		25.708
112.		25.71
112.02		25.711
112.04		
112.1		25.712
112.28		25.714
112.48		25.717
112.68		25.719

112.88		25.721
113.08		25.723
113.28		25.725
113.48		25.726
113.68		25.727
113.88		25.728
114.		25.729
114.02		
114.04		
114.1		25.73
114.28		25.731
114.48		25.733
114.68		25.735
114.88		25.736
115.08		25.738
115.28		25.74
115.48		25.743
115.68		25.745
115.88		25.747
116.		25.749
116.02		
116.04		
116.1		25.75
116.28		25.753
116.48		25.756
116.68		25.759
116.88		25.762
117.08		25.765
117.28		25.768
117.48		25.771
117.68		25.775
117.88		25.779
118.		25.781
118.02		25.782
118.04		
118.1		25.783
118.28		25.786
118.48		25.79
118.68		25.793
118.88		25.797
119.08		25.8
119.28		25.803
119.48		25.807
119.68		25.81
119.88		25.813
120.		25.815
120.02		25.816
120.04		

120.1		25.817
120.28		25.82
120.48		25.823
120.68		25.826
120.88		25.829
121.08		25.832
121.28		25.835
121.48		25.838
121.68		25.841
121.88		25.844
122.		25.846
122.02		
122.04		
122.1		25.847
122.28		25.85
122.48		25.852
122.68		25.855
122.88		25.858
123.08		25.861
123.28		25.863
123.48		25.866
123.68		25.869
123.88		25.871
124.		25.873
124.02		
124.04		25.874
124.1		
124.28		25.877
124.48		25.88
124.68		25.882
124.88		25.885
125.08		25.888
125.28		25.891
125.48		25.893
125.68		25.896
125.88		25.899
126.		25.901
126.02		
126.04		
126.1		25.902
126.28		25.905
126.48		25.909
126.68		25.913
126.88		25.917
127.08		25.921
127.28		25.926
127.48		25.931
127.68		25.937

127.88		25.943
128.		25.947
128.02		
128.04		25.948
128.1		25.949
128.28		25.953
128.48		25.957
128.68		25.96
128.88		25.963
129.08		25.966
129.28		25.968
129.48		25.97
129.68		25.972
129.88		25.974
130.		25.975
130.02		25.976
130.04		
130.1		25.977
130.28		25.98
130.48		25.983
130.68		25.986
130.88		25.989
131.08		25.992
131.28		25.995
131.48		25.998
131.68		26.001
131.88		26.004
132.		26.005
132.02		26.006
132.04		
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132.68		26.014
132.88		26.016
133.08		26.018
133.28		26.02
133.48		26.022
133.68		26.024
133.88		26.026
134.		26.027
134.02		
134.04		
134.1		26.028
134.28		26.03
134.48		26.033
134.68		26.035
134.88		26.039

135.08		26.042
135.28		26.045
135.48		26.049
135.68		26.052
135.88		26.056
136.		26.059
136.02		
136.04		
136.1		26.06
136.28		26.064
136.48		26.068
136.68		26.072
136.88		26.077
137.08		26.081
137.28		26.086
137.48		26.09
137.68		26.095
137.88		26.1
138.		26.103
138.02		
138.04		26.104
138.1		26.105
138.28		26.109
138.48		26.113
138.68		26.116
138.88		26.119
139.08		26.123
139.28		26.126
139.48		26.129
139.68		26.131
139.88		26.134
140.		26.136
140.02		
140.04		
140.1		26.137
140.28		26.14
140.48		26.144
140.68		26.148
140.88		26.153
141.08		26.157
141.28		26.162
141.48		26.167
141.68		26.172
141.88		26.177
142.		26.181
142.02		26.182
142.04		
142.1		26.184

142.28		26.188
142.48		26.192
142.68		26.196
142.88		26.199
143.08		26.202
143.28		26.205
143.48		26.208
143.68		26.212
143.88		26.215
144.		26.217
144.02		
144.04		
144.1		26.218
144.28		26.222
144.48		26.225
144.68		26.229
144.88		26.233
145.08		26.237
145.28		26.242
145.48		26.246
145.68		26.25
145.88		26.254
146.		26.257
146.02		
146.04		26.258
146.1		26.259
146.28		26.263
146.48		26.267
146.68		26.271
146.88		26.274
147.08		26.278
147.28		26.282
147.48		26.286
147.68		26.29
147.88		26.293
148.		26.296
148.02		
148.04		
148.1		26.297
148.28		26.301
148.48		26.305
148.68		26.309
148.88		26.313
149.08		26.317
149.28		26.32
149.48		26.324
149.68		26.328
149.88		26.332

150.		26.335
150.01		
150.02		
150.05		26.336
150.14		26.338
150.24		26.34
150.34		26.342
150.44		26.344
150.54		26.346
150.64		26.348
150.74		26.35
150.84		26.353
150.94		26.355
151.		26.356
151.01		
151.02		26.357
151.05		
151.14		26.36
151.24		26.362
151.34		26.366
151.44		26.37
151.54		26.374
151.64		26.378
151.74		26.383
151.84		26.387
151.94		26.392
152.		26.395
152.01		
152.02		
152.05		26.397
152.14		26.4
152.24		26.402
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152.44		26.407
152.54		26.409
152.64		26.411
152.74		26.413
152.84		26.414
152.94		26.416
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153.02		
153.05		
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153.24		26.419
153.34		
153.44		26.42
153.54		26.421

153.64		
153.74		
153.84		
153.94		26.422
154.		26.423
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154.02		
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154.14		26.426
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154.44		26.433
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154.64		26.438
154.74		26.441
154.84		26.445
154.94		26.45
155.		26.452
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155.02		26.453
155.05		26.454
155.14		26.458
155.24		26.462
155.34		26.466
155.44		26.47
155.54		26.474
155.64		26.478
155.74		26.483
155.84		26.487
155.94		26.492
156.		26.494
156.01		26.495
156.02		
156.05		26.496
156.14		26.499
156.24		26.502
156.34		26.504
156.44		26.506
156.54		26.508
156.64		26.51
156.74		26.512
156.84		26.513
156.94		26.514
157.		26.515
157.01		
157.02		
157.05		26.516
157.14		26.517

157.24		26.519
157.34		26.521
157.44		26.523
157.54		26.525
157.64		26.526
157.74		26.528
157.84		26.53
157.94		26.532
158.		26.534
158.01		
158.02		
158.05		26.535
158.14		26.536
158.24		26.539
158.34		26.541
158.44		26.543
158.54		26.545
158.64		26.547
158.74		26.55
158.84		26.552
158.94		26.554
159.		26.555
159.01		26.556
159.02		
159.05		26.557
159.14		26.559
159.24		26.562
159.34		26.565
159.44		26.568
159.54		26.571
159.64		26.574
159.74		26.577
159.84		26.58
159.94		26.584
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160.01		
160.02		
160.05		26.587
160.14		26.591
160.24		26.595
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160.44		26.604
160.54		26.609
160.64		26.613
160.74		26.618
160.84		26.623
160.94		26.628
161.		26.631

161.01		26.632
161.02		
161.05		26.634
161.14		26.636
161.24		26.639
161.34		26.641
161.44		26.643
161.54		26.644
161.64		26.645
161.74		
161.84		26.646
161.94		
162.		
162.01		
162.02		
162.05		
162.14		26.647
162.24		26.649
162.34		26.65
162.44		26.652
162.54		26.654
162.64		26.656
162.74		26.657
162.84		26.659
162.94		26.661
163.		26.663
163.01		
163.02		
163.05		26.664
163.14		26.666
163.24		26.668
163.34		26.67
163.44		26.673
163.54		26.675
163.64		26.678
163.74		26.68
163.84		26.683
163.94		26.685
164.		26.687
164.01		
164.02		
164.05		26.688
164.14		26.692
164.24		26.696
164.34		26.7
164.44		26.705
164.54		26.71
164.64		26.715

164.74		26.721
164.84		26.726
164.94		26.732
165.		26.736
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165.05		26.738
165.14		26.743
165.24		26.747
165.34		26.752
165.44		26.756
165.54		26.761
165.64		26.765
165.74		26.769
165.84		26.773
165.94		26.777
166.		26.779
166.01		26.78
166.02		
166.05		26.781
166.14		26.783
166.24		26.786
166.34		26.788
166.44		26.789
166.54		26.79
166.64		26.791
166.74		26.792
166.84		26.793
166.94		
167.		
167.01		26.794
167.02		
167.05		
167.14		26.795
167.24		26.797
167.34		26.798
167.44		26.8
167.54		26.802
167.64		26.804
167.74		26.806
167.84		26.808
167.94		26.81
168.		26.811
168.01		26.812
168.02		
168.05		
168.14		26.814
168.24		26.815

168.34		26.816
168.44		
168.54		26.817
168.64		
168.74		26.818
168.84		
168.94		
169.		
169.01		
169.02		
169.05		26.819
169.14		26.822
169.24		26.826
169.34		26.83
169.44		26.836
169.54		26.842
169.64		26.848
169.74		26.855
169.84		26.862
169.94		26.87
170.		26.874
170.01		26.875
170.02		26.876
170.05		26.878
170.14		26.884
170.24		26.89
170.34		26.895
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170.54		26.906
170.64		26.911
170.74		26.917
170.84		26.922
170.94		26.927
171.		26.93
171.01		26.931
171.02		
171.05		26.932
171.14		26.935
171.24		26.938
171.34		26.94
171.44		26.942
171.54		26.943
171.64		26.944
171.74		26.945
171.84		
171.94		
172.		
172.01		

172.02		
172.05		26.946
172.14		26.947
172.24		26.949
172.34		26.951
172.44		26.954
172.54		26.957
172.64		26.96
172.74		26.963
172.84		26.966
172.94		26.969
173.		26.971
173.01		26.972
173.02		
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173.14		26.976
173.24		26.979
173.34		26.981
173.44		26.984
173.54		26.987
173.64		26.99
173.74		26.992
173.84		26.995
173.94		26.997
174.		26.999
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174.02		
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174.14		27.003
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174.54		27.017
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174.94		27.033
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175.02		
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175.14		27.04
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175.34		27.046
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175.54		27.051
175.64		27.053
175.74		27.055

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175.94		27.059
176.		27.06
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176.02		
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176.14		27.065
176.24		27.069
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176.74		27.095
176.84		27.101
176.94		27.107
177.		27.111
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177.14		27.117
177.24		27.121
177.34		27.123
177.44		27.126
177.54		27.128
177.64		27.13
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177.84		27.133
177.94		27.134
178.		27.135
178.01		
178.02		
178.05		27.136
178.14		27.138
178.24		27.141
178.34		27.145
178.44		27.149
178.54		27.154
178.64		27.158
178.74		27.163
178.84		27.168
178.94		27.173
179.		27.176
179.01		27.177
179.02		
179.05		27.178
179.14		27.18
179.24		27.182
179.34		

179.44		
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179.74		27.18
179.84		27.179
179.94		27.177
180.		27.175
180.01		
180.02		
180.05		
180.14		
180.24		27.176
180.34		27.177
180.44		27.178
180.54		27.18
180.64		27.182
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180.84		27.187
180.94		27.189
181.		27.191
181.01		
181.02		
181.05		27.192
181.14		27.194
181.24		27.197
181.34		27.2
181.44		27.203
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181.64		27.209
181.74		27.213
181.84		27.216
181.94		27.219
182.		27.221
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182.02		
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182.14		27.226
182.24		27.229
182.34		27.231
182.44		27.234
182.54		27.237
182.64		27.239
182.74		27.242
182.84		27.245
182.94		27.247
183.		27.249
183.01		
183.02		

183.05		27.25
183.14		27.253
183.24		27.257
183.34		27.261
183.44		27.265
183.54		27.27
183.64		27.274
183.74		27.279
183.84		27.284
183.94		27.289
184.		27.292
184.01		27.293
184.02		
184.05		27.294
184.14		27.297
184.24		27.3
184.34		27.302
184.44		27.304
184.54		27.305
184.64		27.306
184.74		27.307
184.84		27.308
184.94		
185.		
185.01		
185.02		
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185.14		27.31
185.24		27.312
185.34		27.314
185.44		27.317
185.54		27.319
185.64		27.322
185.74		27.325
185.84		27.328
185.94		27.331
186.		27.333
186.01		
186.02		
186.05		27.334
186.14		27.335
186.24		27.336
186.34		27.337
186.44		
186.54		
186.64		
186.74		
186.84		27.336

186.94		27.335
187.		
187.01		27.334
187.02		
187.05		
187.14		27.335
187.24		
187.34		27.336
187.44		
187.54		27.337
187.64		27.338
187.74		27.34
187.84		27.341
187.94		27.342
188.		27.343
188.01		
188.02		
188.05		27.344
188.14		27.345
188.24		27.346
188.34		27.347
188.44		27.348
188.54		27.349
188.64		27.35
188.74		27.352
188.84		27.354
188.94		27.355
189.		27.356
189.01		
189.02		
189.05		27.357
189.14		27.359
189.24		27.361
189.34		27.364
189.44		27.366
189.54		27.369
189.64		27.372
189.74		27.376
189.84		27.38
189.94		27.384
190.		27.387
190.01		
190.02		27.388
190.05		27.389
190.14		27.392
190.24		27.395
190.34		27.399
190.44		27.402

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190.64		27.409
190.74		27.412
190.84		27.415
190.94		27.418
191.		27.42
191.01		
191.02		27.421
191.05		
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191.24		27.425
191.34		27.426
191.44		27.427
191.54		27.428
191.64		
191.74		27.429
191.84		
191.94		
192.		
192.01		
192.02		
192.05		
192.14		
192.24		27.431
192.34		27.432
192.44		27.434
192.54		27.436
192.64		27.437
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192.84		27.441
192.94		27.442
193.		27.443
193.01		
193.02		27.444
193.05		
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193.24		27.447
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193.44		27.451
193.54		27.453
193.64		27.454
193.74		27.456
193.84		27.458
193.94		27.459
194.		27.46
194.01		27.461
194.02		
194.05		27.462

194.14		27.464
194.24		27.467
194.34		27.47
194.44		27.473
194.54		27.476
194.64		27.48
194.74		27.483
194.84		27.488
194.94		27.494
195.		27.497
195.01		27.498
195.02		
195.05		27.5
195.14		27.503
195.24		27.505
195.34		27.507
195.44		27.508
195.54		27.509
195.64		
195.74		
195.84		
195.94		27.51
196.		27.511
196.01		
196.02		
196.05		
196.14		27.513
196.24		27.514
196.34		27.516
196.44		27.517
196.54		27.519
196.64		27.52
196.74		27.522
196.84		27.524
196.94		27.525
197.		27.526
197.01		
197.02		
197.05		27.527
197.14		27.529
197.24		27.531
197.34		27.533
197.44		27.535
197.54		27.538
197.64		27.54
197.74		27.543
197.84		27.545
197.94		27.548

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198.01		27.55
198.02		
198.05		27.551
198.14		27.553
198.24		27.555
198.34		27.557
198.44		27.559
198.54		27.561
198.64		27.563
198.74		27.564
198.84		27.566
198.94		27.568
199.		27.569
199.01		
199.02		
199.05		27.57
199.14		27.572
199.24		27.574
199.34		27.576
199.44		27.579
199.54		27.581
199.64		27.583
199.74		27.586
199.84		27.588
199.94		27.591
200.		27.593
200.01		
200.02		
200.05		27.594
200.14		27.596
200.24		27.599
200.34		27.601
200.44		27.604
200.54		27.606
200.64		27.609
200.74		27.611
200.84		27.614
200.94		27.616
201.		27.618
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201.02		
201.05		27.619
201.14		27.621
201.24		27.622
201.34		27.624
201.44		27.626
201.54		27.629

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201.74		27.632
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201.94		27.636
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202.01		
202.02		
202.05		27.638
202.14		27.641
202.24		27.644
202.34		27.648
202.44		27.651
202.54		27.655
202.64		27.659
202.74		27.664
202.84		27.668
202.94		27.673
203.		27.676
203.01		
203.02		27.677
203.05		27.678
203.14		27.682
203.24		27.686
203.34		27.69
203.44		27.694
203.54		27.697
203.64		27.701
203.74		27.705
203.84		27.708
203.94		27.712
204.		27.714
204.01		27.715
204.02		
204.05		27.716
204.14		27.72
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204.34		27.729
204.44		27.733
204.54		27.738
204.64		27.742
204.74		27.747
204.84		27.752
204.94		27.756
205.		27.759
205.01		27.76
205.02		
205.05		27.762
205.14		27.767

205.24		27.773
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205.64		27.8
205.74		27.807
205.84		27.815
205.94		27.822
206.		27.827
206.01		27.828
206.02		27.829
206.05		27.831
206.14		27.838
206.24		27.845
206.34		27.853
206.44		27.861
206.54		27.869
206.64		27.877
206.74		27.885
206.84		27.893
206.94		27.902
207.		27.907
207.01		27.908
207.02		
207.05		27.911
207.14		27.919
207.24		27.928
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207.64		27.964
207.74		27.974
207.84		27.983
207.94		27.993
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208.02		28.001
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208.74		28.077
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208.94		28.099
209.		28.106

209.01		28.107
209.02		28.108
209.05		28.112
209.14		28.123
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209.34		28.148
209.44		28.161
209.54		28.174
209.64		28.188
209.74		28.202
209.84		28.216
209.94		28.23
210.		28.238
210.01		28.24
210.02		28.241
210.05		28.246
210.14		28.26
210.24		28.277
210.34		28.294
210.44		28.312
210.54		28.33
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210.74		28.368
210.84		28.388
210.94		28.408
211.		28.42
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211.02		28.424
211.05		28.429
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211.24		28.463
211.34		28.48
211.44		28.497
211.54		28.514
211.64		28.53
211.74		28.547
211.84		28.563
211.94		28.579
212.		28.589
212.01		28.591
212.02		28.592
212.05		28.597
212.14		28.612
212.24		28.63
212.34		28.647
212.44		28.665
212.54		28.682
212.64		28.7

212.74		28.718
212.84		28.736
212.94		28.754
213.		28.765
213.01		28.767
213.02		28.769
213.05		28.775
213.14		28.796
213.24		28.82
213.34		28.845
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213.54		28.899
213.64		28.927
213.74		28.956
213.84		28.986
213.94		29.017
214.		29.035
214.01		29.038
214.02		29.041
214.05		29.05
214.14		29.075
214.24		29.101
214.34		29.127
214.44		29.153
214.54		29.178
214.64		29.204
214.74		29.229
214.84		29.254
214.94		29.278
215.		29.293
215.01		29.296
215.02		29.298
215.05		29.306
215.14		29.329
215.24		29.356
215.34		29.382
215.44		29.409
215.54		29.436
215.64		29.463
215.74		29.49
215.84		29.518
215.94		29.546
216.		29.562
216.01		29.565
216.02		29.568
216.05		29.577
216.14		29.603
216.24		29.634

216.34		29.665
216.44		29.697
216.54		29.729
216.64		29.762
216.74		29.795
216.84		29.828
216.94		29.863
217.		29.883
217.01		29.887
217.02		29.89
217.05		29.9
217.14		29.93
217.24		29.963
217.34		29.996
217.44		30.029
217.54		30.062
217.64		30.095
217.74		30.128
217.84		30.161
217.94		30.194
218.		30.215
218.01		30.218
218.02		30.221
218.05		30.231
218.14		30.262
218.24		30.297
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219.		30.569
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219.14		30.623
219.24		30.662
219.34		30.702
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219.64		30.824
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222.05		31.905
222.14		31.951
222.24		32.003
222.34		32.056
222.44		32.109
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222.64		32.218
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222.84		32.329
222.94		32.385
223.		32.419
223.01		32.425
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223.05		32.447
223.14		32.498
223.24		32.556
223.34		32.614
223.44		32.672
223.54		32.731
223.64		32.79
223.74		32.85

223.84		32.91
223.94		32.971
224.		33.007
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224.02		33.019
224.05		33.038
224.14		33.095
224.24		33.16
224.34		33.226
224.44		33.292
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224.64		33.428
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224.84		33.568
224.94		33.638
225.		33.681
225.01		33.688
225.02		33.695
225.05		33.716
225.14		33.779
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226.05		34.413
226.14		34.479
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226.34		34.628
226.44		34.704
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226.84		35.014
226.94		35.093
227.		35.141
227.01		35.149
227.02		35.157
227.05		35.181
227.14		35.254
227.24		35.336
227.34		35.42

227.44		35.504
227.54		35.588
227.64		35.674
227.74		35.761
227.84		35.848
227.94		35.936
228.		35.989
228.01		35.998
228.02		36.007
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228.24		36.197
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228.64		36.543
228.74		36.63
228.84		36.718
228.94		36.805
229.		36.858
229.01		36.866
229.02		36.875
229.05		36.902
229.14		36.985
229.24		37.079
229.34		37.174
229.44		37.271
229.54		37.368
229.64		37.467
229.74		37.567
229.84		37.667
229.94		37.769
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230.02		37.851
230.05		37.881
230.14		37.971
230.24		38.07
230.34		38.169
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230.54		38.368
230.64		38.467
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230.84		38.667
230.94		38.767
231.		38.827
231.01		38.838
231.02		38.848

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231.14		38.969
231.24		39.071
231.34		39.173
231.44		39.275
231.54		39.378
231.64		39.482
231.74		39.585
231.84		39.69
231.94		39.794
232.		39.857
232.01		39.867
232.02		39.878
232.05		39.909
232.14		40.003
232.24		40.108
232.34		40.213
232.44		40.318
232.54		40.423
232.64		40.528
232.74		40.634
232.84		40.74
232.94		40.846
233.		40.91
233.01		40.92
233.02		40.931
233.05		40.963
233.14		41.058
233.24		41.165
233.34		41.272
233.44		41.378
233.54		41.485
233.64		41.593
233.74		41.7
233.84		41.808
233.94		41.916
234.		41.98
234.01		41.991
234.02		42.002
234.05		42.034
234.14		42.132
234.24		42.242
234.34		42.351
234.44		42.462
234.54		42.572
234.64		42.683
234.74		42.794
234.84		42.905

234.94		43.017
235.		43.084
235.01		43.095
235.02		43.107
235.05		43.141
235.14		43.245
235.24		43.362
235.34		43.48
235.44		43.599
235.54		43.719
235.64		43.84
235.74		43.962
235.84		44.085
235.94		44.208
236.		44.283
236.01		44.295
236.02		44.308
236.05		44.345
236.14		44.458
236.24		44.583
236.34		44.71
236.44		44.838
236.54		44.966
236.64		45.095
236.74		45.224
236.84		45.355
236.94		45.486
237.		45.565
237.01		45.578
237.02		45.592
237.05		45.631
237.14		45.749
237.24		45.88
237.34		46.012
237.44		46.144
237.54		46.277
237.64		46.41
237.74		46.543
237.84		46.677
237.94		46.811
238.		46.892
238.01		46.905
238.02		46.919
238.05		46.96
238.14		47.082
238.24		47.22
238.34		47.358
238.44		47.497

238.54		47.637
238.64		47.777
238.74		47.918
238.84		48.06
238.94		48.203
239.		48.289
239.01		48.303
239.02		48.317
239.05		48.361
239.14		48.491
239.24		48.637
239.34		48.784
239.44		48.932
239.54		49.08
239.64		49.23
239.74		49.38
239.84		49.532
239.94		49.684
240.		49.776
240.01		49.791
240.02		49.806
240.05		49.852
240.14		49.989
240.24		50.142
240.34		50.295
240.44		50.449
240.54		50.604
240.64		50.759
240.74		50.914
240.84		51.07
240.94		51.227
241.		51.321
241.01		51.337
241.02		51.353
241.05		51.399
241.14		51.538
241.24		51.691
241.34		51.843
241.44		51.996
241.54		52.148
241.64		52.299
241.74		52.451
241.84		52.602
241.94		52.754
242.		52.845
242.01		52.86
242.02		52.875
242.05		52.922

242.14		53.063
242.24		53.221
242.34		53.381
242.44		53.542
242.54		53.704
242.64		53.867
242.74		54.031
242.84		54.196
242.94		54.361
243.		54.461
243.01		54.477
243.02		54.494
243.05		54.542
243.14		54.683
243.24		54.837
243.34		54.99
243.44		55.14
243.54		55.289
243.64		55.437
243.74		55.584
243.84		55.73
243.94		55.875
244.		55.961
244.01		55.976
244.02		55.99
244.05		56.034
244.14		56.168
244.24		56.318
244.34		56.469
244.44		56.62
244.54		56.772
244.64		56.924
244.74		57.076
244.84		57.228
244.94		57.381
245.		57.473
245.01		57.488
245.02		57.503
245.05		57.55
245.14		57.689
245.24		57.845
245.34		58.002
245.44		58.159
245.54		58.317
245.64		58.475
245.74		58.634
245.84		58.794
245.94		58.954

246.		59.05
246.01		59.066
246.02		59.081
246.05		59.128
246.14		59.268
246.24		59.421
246.34		59.573
246.44		59.724
246.54		59.875
246.64		60.025
246.74		60.174
246.84		60.322
246.94		60.47
247.		60.558
247.01		60.573
247.02		60.588
247.05		60.633
247.14		60.771
247.24		60.927
247.34		61.083
247.44		61.24
247.54		61.399
247.64		61.558
247.74		61.718
247.84		61.879
247.94		62.04
248.		62.137
248.01		62.153
248.02		62.169
248.05		62.216
248.14		62.354
248.24		62.506
248.34		62.655
248.44		62.804
248.54		62.951
248.64		63.096
248.74		63.241
248.84		63.385
248.94		63.528
249.		63.614
249.01		63.628
249.02		63.642
249.05		63.686
249.14		63.817
249.24		63.963
249.34		64.11
249.44		64.257
249.54		64.404

249.64		64.551
249.74		64.698
249.84		64.845
249.94		64.992
250.		65.08
250.01		65.095
250.02		65.11
250.05		65.154
250.14		65.286
250.24		65.433
250.34		65.581
250.44		65.728
250.54		65.875
250.64		66.022
250.74		66.168
250.84		66.315
250.94		66.462
251.		66.55
251.01		66.565
251.02		66.579
251.05		66.624
251.14		66.757
251.24		66.905
251.34		67.053
251.44		67.202
251.54		67.35
251.64		67.499
251.74		67.648
251.84		67.798
251.94		67.947
252.		68.037
252.01		68.051
252.02		68.066
252.05		68.11
252.14		68.242
252.24		68.386
252.34		68.53
252.44		68.673
252.54		68.816
252.64		68.958
252.74		69.099
252.84		69.24
252.94		69.38
253.		69.464
253.01		69.478
253.02		69.492
253.05		69.535
253.14		69.664

253.24		69.808
253.34		69.953
253.44		70.099
253.54		70.245
253.64		70.392
253.74		70.538
253.84		70.685
253.94		70.833
254.		70.921
254.01		70.936
254.02		70.951
254.05		70.995
254.14		71.126
254.24		71.272
254.34		71.418
254.44		71.563
254.54		71.709
254.64		71.854
254.74		71.999
254.84		72.145
254.94		72.29
255.		72.377
255.01		72.391
255.02		72.406
255.05		72.449
255.14		72.581
255.24		72.726
255.34		72.872
255.44		73.018
255.54		73.164
255.64		73.311
255.74		73.457
255.84		73.603
255.94		73.75
256.		73.838
256.01		73.852
256.02		73.867
256.05		73.912
256.14		74.046
256.24		74.197
256.34		74.349
256.44		74.501
256.54		74.654
256.64		74.808
256.74		74.963
256.84		75.118
256.94		75.274
257.		75.367

257.01		75.383
257.02		75.398
257.05		75.444
257.14		75.581
257.24		75.732
257.34		75.882
257.44		76.031
257.54		76.181
257.64		76.329
257.74		76.478
257.84		76.626
257.94		76.773
258.		76.862
258.01		76.877
258.02		76.891
258.05		76.936
258.14		77.069
258.24		77.216
258.34		77.364
258.44		77.511
258.54		77.659
258.64		77.806
258.74		77.953
258.84		78.1
258.94		78.247
259.		78.335
259.01		78.35
259.02		78.365
259.05		78.41
259.14		78.544
259.24		78.694
259.34		78.845
259.44		78.996
259.54		79.148
259.64		79.3
259.74		79.453
259.84		79.606
259.94		79.759
260.		79.851
260.01		79.867
260.02		79.882
260.05		79.927
260.14		80.06
260.24		80.206
260.34		80.35
260.44		80.494
260.54		80.636
260.64		80.778

260.74		80.919
260.84		81.059
260.94		81.198
261.		81.282
261.01		81.296
261.02		81.31
261.05		81.352
261.14		81.481
261.24		81.625
261.34		81.77
261.44		81.916
261.54		82.062
261.64		82.208
261.74		82.355
261.84		82.501
261.94		82.649
262.		82.737
262.01		82.752
262.02		82.766
262.05		82.81
262.14		82.942
262.24		83.088
262.34		83.234
262.44		83.38
262.54		83.526
262.64		83.672
262.74		83.818
262.84		83.963
262.94		84.109
263.		84.196
263.01		84.211
263.02		84.225
263.05		84.269
263.14		84.399
263.24		84.543
263.34		84.687
263.44		84.831
263.54		84.975
263.64		85.118
263.74		85.261
263.84		85.404
263.94		85.547
264.		85.632
264.01		85.647
264.02		85.661
264.05		85.704
264.14		85.834
264.24		85.979

264.34		86.125
264.44		86.271
264.54		86.417
264.64		86.564
264.74		86.71
264.84		86.857
264.94		87.004
265.		87.093
265.01		87.107
265.02		87.122
265.05		87.165
265.14		87.294
265.24		87.435
265.34		87.575
265.44		87.714
265.54		87.853
265.64		87.991
265.74		88.127
265.84		88.264
265.94		88.399
266.		88.48
266.01		88.494
266.02		88.508
266.05		88.55
266.14		88.676
266.24		88.819
266.34		88.963
266.44		89.107
266.54		89.253
266.64		89.399
266.74		89.546
266.84		89.693
266.94		89.841
267.		89.93
267.01		89.945
267.02		89.959
267.05		90.003
267.14		90.134
267.24		90.279
267.34		90.424
267.44		90.568
267.54		90.712
267.64		90.855
267.74		90.999
267.84		91.142
267.94		91.285
268.		91.371
268.01		91.386

268.02		91.4
268.05		91.443
268.14		91.574
268.24		91.719
268.34		91.864
268.44		92.01
268.54		92.156
268.64		92.302
268.74		92.448
268.84		92.595
268.94		92.742
269.		92.83
269.01		92.845
269.02		92.859
269.05		92.903
269.14		93.036
269.24		93.183
269.34		93.331
269.44		93.479
269.54		93.627
269.64		93.775
269.74		93.924
269.84		94.073
269.94		94.221
270.		94.311
270.01		94.326
270.02		94.341
270.05		94.385
270.14		94.519
270.24		94.668
270.34		94.817
270.44		94.966
270.54		95.115
270.64		95.265
270.74		95.414
270.84		95.564
270.94		95.714
271.		95.803
271.01		95.818
271.02		95.833
271.05		95.878
271.14		96.012
271.24		96.16
271.34		96.308
271.44		96.456
271.54		96.603
271.64		96.75
271.74		96.898

271.84		97.045
271.94		97.192
272.		97.28
272.01		97.295
272.02		97.309
272.05		97.353
272.14		97.485
272.24		97.631
272.34		97.777
272.44		97.923
272.54		98.069
272.64		98.214
272.74		98.359
272.84		98.504
272.94		98.649
273.		98.736
273.01		98.751
273.02		98.765
273.05		98.808
273.14		98.935
273.24		99.076
273.34		99.215
273.44		99.354
273.54		99.492
273.64		99.629
273.74		99.766
273.84		99.901
273.94		100.04
274.		100.12
274.01		100.13
274.02		100.14
274.05		100.19
274.14		100.31
274.24		100.45
274.34		100.58
274.44		100.72
274.54		100.86
274.64		101.
274.74		101.13
274.84		101.27
274.94		101.41
275.		101.49
275.01		101.5
275.02		101.52
275.05		101.56
275.14		101.68
275.24		101.82
275.34		101.95

275.44		102.09
275.54		102.23
275.64		102.36
275.74		102.5
275.84		102.64
275.94		102.77
276.		102.85
276.01		102.87
276.02		102.88
276.05		102.92
276.14		103.04
276.24		103.18
276.34		103.31
276.44		103.45
276.54		103.59
276.64		103.72
276.74		103.86
276.84		103.99
276.94		104.13
277.		104.21
277.01		104.22
277.02		104.24
277.05		104.28
277.14		104.4
277.24		104.53
277.34		104.67
277.44		104.8
277.54		104.94
277.64		105.07
277.74		105.21
277.84		105.34
277.94		105.47
278.		105.55
278.01		105.57
278.02		105.58
278.05		105.62
278.14		105.74
278.24		105.88
278.34		106.01
278.44		106.15
278.54		106.28
278.64		106.42
278.74		106.56
278.84		106.69
278.94		106.83
279.		106.91
279.01		106.92
279.02		106.93

279.05		106.98
279.14		107.1
279.24		107.23
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279.44		107.5
279.54		107.64
279.64		107.77
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279.84		108.04
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280.		108.26
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280.34		108.72
280.44		108.86
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280.64		109.13
280.74		109.27
280.84		109.4
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281.		109.62
281.01		109.64
281.02		109.65
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281.74		110.64
281.84		110.78
281.94		110.91
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282.02		111.02
282.05		111.07
282.14		111.19
282.24		111.33
282.34		111.47
282.44		111.61
282.54		111.74
282.64		111.88
282.74		112.02
282.84		112.16

282.94		112.3
283.		112.38
283.01		112.4
283.02		112.41
283.05		112.45
283.14		112.58
283.24		112.72
283.34		112.86
283.44		112.99
283.54		113.13
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283.74		113.41
283.84		113.55
283.94		113.69
284.		113.77
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284.02		113.8
284.05		113.84
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284.24		114.11
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284.44		114.39
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284.64		114.67
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284.84		114.96
284.94		115.1
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286.44		117.23

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286.94		117.96
287.		118.04
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287.84		119.23
287.94		119.36
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288.02		119.47
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288.14		119.64
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288.34		119.92
288.44		120.06
288.54		120.2
288.64		120.34
288.74		120.47
288.84		120.61
288.94		120.75
289.		120.84
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289.02		120.86
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290.64		123.09
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290.94		123.49
291.		123.58
291.01		123.59
291.02		123.6
291.05		123.64
291.14		123.76
291.24		123.9
291.34		124.03
291.44		124.16
291.54		124.3
291.64		124.43
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291.84		124.69
291.94		124.82
292.		124.9
292.01		124.92
292.02		124.93
292.05		124.97
292.14		125.09
292.24		125.22
292.34		125.36
292.44		125.49
292.54		125.63
292.64		125.77
292.74		125.9
292.84		126.04
292.94		126.18
293.		126.26
293.01		126.27
293.02		126.29
293.05		126.33
293.14		126.45
293.24		126.58
293.34		126.72
293.44		126.85
293.54		126.99
293.64		127.12
293.74		127.26
293.84		127.39
293.94		127.52

294.		127.6
294.01		127.62
294.02		127.63
294.05		127.67
294.14		127.8
294.24		127.94
294.34		128.08
294.44		128.22
294.54		128.36
294.64		128.5
294.74		128.64
294.84		128.79
294.94		128.93
295.		129.02
295.01		129.03
295.02		129.05
295.05		129.09
295.14		129.24
295.24		129.41
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295.64		130.14
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295.84		130.52
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296.14		131.09
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296.54		131.72
296.64		131.87
296.74		132.02
296.84		132.16
296.94		132.3
297.		132.39
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297.14		132.58
297.24		132.72
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297.54		133.14

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299.02		135.4
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300.02		137.01
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301.02		138.57
301.05		138.61
301.14		138.75

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302.02		139.98
302.05		140.03
302.14		140.17
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302.34		140.51
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304.02		143.79
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305.		145.69

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305.02		145.73
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305.64		146.8
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308.54		151.07
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309.34		152.19
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311.02		154.5
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316.54		162.09
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317.02		162.8
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317.24		163.11
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326.94		174.77
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327.01		174.86
327.02		174.87

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337.74		186.94
337.84		187.05
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341.54		191.09
341.64		191.2
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343.24		192.92
343.34		193.03
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349.14		199.27

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358.84		209.64
358.94		209.75
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360.		210.88
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360.02		210.9
360.05		210.93
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361.02		211.96
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361.84		212.83
361.94		212.94
362.		213.
362.01		213.01
362.02		213.02
362.05		213.05
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362.34		213.36
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362.54		213.57
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362.84		213.89
362.94		213.99
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363.02		214.08
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363.24		214.31
363.34		214.41
363.44		214.52
363.54		214.63
363.64		214.73
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363.84		214.94
363.94		215.05
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371.34		222.81

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372.02		223.53
372.05		223.56
372.14		223.65
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373.02		224.57
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373.64		225.22
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375.02		226.66

375.05		226.69
375.14		226.79
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393.02		245.45
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393.44		245.88
393.54		245.99

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394.01		246.47
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415.74		262.61

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473.94		255.55
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585.		244.15
585.05		244.14
585.1		
585.25		244.12
585.7		244.08
586.2		244.04
586.7		243.99
587.2		243.95
587.7		243.91
588.2		243.86
588.7		243.82
589.2		243.77
589.7		243.73
590.		243.7
590.05		
590.1		243.69
590.25		243.68
590.7		243.64
591.2		243.6
591.7		243.55
592.2		243.51
592.7		243.46
593.2		243.42
593.7		243.37
594.2		243.33
594.7		243.29
595.		243.26
595.05		243.25
595.1		
595.25		243.24
595.7		243.2
596.2		243.15
596.7		243.11

597.2		243.06
597.7		243.02
598.2		242.98
598.7		242.93
599.2		242.89
599.7		242.84
600.		242.82
601.		242.73
602.		242.64
605.		242.38
614.		241.58
623.		240.79
633.		239.91
643.		239.04
653.		238.16
663.		237.29
673.		236.42
683.		235.55
693.		234.68
700.		234.07
701.		233.98
702.		233.89
705.		233.63
714.		232.85
723.		232.07
733.		231.2
743.		230.33
753.		229.47
763.		228.6
773.		227.73
783.		226.87
793.		226.
800.		225.4
801.		225.31
802.		225.22
805.		224.96
814.	22.243	224.18
824.	22.235	223.32
834.	22.227	222.46
844.	22.22	221.59
854.	22.213	220.73
864.	22.206	219.87
874.	22.199	219.01
884.	22.192	218.15
894.	22.186	217.29
900.	22.182	216.77
901.		216.69
902.	22.181	216.6

905.	22.179	216.34
914.	22.174	215.57
924.	22.168	214.72
934.	22.163	213.86
944.	22.157	213.01
954.	22.152	212.15
964.	22.147	211.3
974.	22.142	210.45
984.	22.137	209.61
994.	22.132	208.76
1000.	22.129	208.25
1002.	22.128	208.08
1004.	22.127	207.91
1010.	22.124	207.41
1028.	22.117	205.9
1046.	22.109	204.39
1066.	22.101	202.73
1086.	22.093	201.07
1106.	22.086	199.43
1126.	22.079	197.79
1146.	22.072	196.16
1166.	22.065	194.55
1186.	22.059	192.95
1200.	22.054	191.83
1202.		191.67
1204.	22.053	191.51
1210.	22.051	191.04
1228.	22.046	189.62
1246.	22.041	188.2
1266.	22.036	186.65
1286.	22.03	185.11
1306.	22.025	183.58
1326.	22.02	182.06
1346.	22.016	180.56
1366.	22.011	179.07
1386.	22.007	177.59
1400.	22.003	176.56
1402.		176.41
1404.		176.27
1410.	22.001	175.83
1428.	21.998	174.53
1446.	21.994	173.23
1466.	21.99	171.81
1486.	21.986	170.4
1506.	21.983	169.
1526.	21.979	167.62
1546.	21.976	166.25
1566.	21.971	164.9

1586.	21.967	163.55
1600.	21.963	162.62
1602.		162.49
1604.	21.962	162.36
1610.	21.961	161.96
1628.	21.957	160.78
1646.	21.953	159.6
1666.	21.948	158.31
1686.	21.944	157.04
1706.	21.94	155.78
1726.	21.936	154.53
1746.	21.932	153.29
1766.	21.929	152.07
1786.	21.925	150.86
1800.	21.923	150.02
1802.	21.922	149.9
1804.		149.78
1810.	21.921	149.42
1828.	21.918	148.35
1846.	21.915	147.3
1866.	21.912	146.14
1886.	21.907	145.
1906.	21.902	143.86
1926.	21.897	142.74
1946.	21.893	141.63
1966.	21.888	140.54
1986.	21.884	139.45
2000.	21.881	138.7
2002.	21.88	138.59
2004.		138.48
2010.	21.879	138.16
2028.	21.875	137.2
2048.	21.871	136.15
2068.	21.867	135.11
2088.	21.863	134.08
2108.	21.86	133.06
2128.	21.856	132.06
2148.	21.853	131.06
2168.	21.849	130.07
2188.	21.846	129.1
2200.	21.845	128.51
2202.	21.844	128.42
2204.		128.32
2210.	21.843	128.03
2228.	21.84	127.17
2248.	21.838	126.22
2268.	21.835	125.29
2288.	21.832	124.36

2308.	21.83	123.44
2328.	21.827	122.53
2348.	21.825	121.63
2368.	21.823	120.74
2388.	21.821	119.86
2400.	21.819	119.34
2402.		119.25
2404.		119.16
2410.	21.818	118.9
2428.	21.816	118.12
2448.	21.815	117.27
2468.	21.813	116.42
2488.	21.811	115.58
2508.	21.809	114.75
2528.	21.808	113.93
2548.	21.806	113.11
2568.	21.805	112.31
2588.	21.803	111.51
2600.	21.802	111.04
2602.		110.96
2604.		110.88
2610.		110.64
2628.	21.801	109.94
2648.	21.799	109.16
2668.	21.798	108.39
2688.	21.797	107.64
2708.	21.796	106.88
2728.	21.795	106.14
2748.	21.794	105.4
2768.	21.793	104.67
2788.	21.792	103.95
2800.		103.52
2802.		103.45
2804.		103.38
2810.		103.16
2828.	21.791	102.53
2848.	21.79	101.83
2868.	21.789	101.14
2888.		100.45
2908.	21.788	99.773
2928.		99.1
2948.	21.787	98.435
2968.		97.775
2988.	21.786	97.122
3000.		96.733
3002.		96.668
3004.		96.603
3010.		96.409

3028.		95.832
3048.	21.785	95.197
3068.		94.569
3088.		93.946
3108.	21.784	93.329
3128.		92.718
3148.		92.113
3168.		91.513
3188.		90.919
3200.		90.565
3202.		90.506
3204.		90.447
3210.		90.27
3228.	21.783	89.745
3248.		89.168
3268.		88.596
3288.		88.029
3308.		87.467
3328.		86.911
3348.		86.359
3368.		85.813
3388.		85.272
3400.		84.949
3402.		84.895
3404.		84.841
3410.		84.68
3428.		84.202
3448.		83.675
3468.	21.784	83.154
3488.		82.639
3508.		82.13
3528.		81.625
3548.		81.125
3568.		80.63
3588.		80.138
3600.		79.845
3602.		79.796
3604.		79.748
3610.	21.785	79.602
3628.		79.167
3648.		78.689
3668.		78.216
3688.		77.746
3708.		77.281
3728.	21.786	76.819
3748.		76.361
3768.		75.908
3788.		75.459

3800.		75.191
3802.		75.146
3804.		75.102
3810.		74.968
3828.	21.787	74.571
3848.		74.134
3868.		73.7
3888.		73.27
3908.	21.788	72.844
3928.		72.422
3948.		72.004
3968.		71.589
3988.		71.178
4000.	21.789	70.932
4002.		70.891
4004.		70.85
4010.		70.728
4028.		70.364
4048.		69.964
4068.		69.569
4088.	21.79	69.177
4108.		68.789
4128.		68.404
4148.		68.023
4168.		67.645
4188.	21.791	67.27
4200.		67.046
4202.		67.008
4204.		66.971
4210.		66.86
4228.		66.528
4248.		66.162
4268.		65.8
4288.	21.792	65.44
4308.		65.084
4328.		64.731
4348.		64.38
4368.		64.033
4388.		63.688
4400.		63.483
4402.		63.448
4404.		63.414
4410.	21.793	63.312
4428.		63.007
4448.		62.671
4468.		62.338
4488.		62.007
4508.		61.68

4528.		61.355
4548.		61.033
4568.		60.713
4588.		60.398
4600.		60.21
4602.		60.178
4604.		60.147
4610.		60.053
4628.		59.775
4648.		59.467
4668.		59.163
4688.	21.794	58.86
4708.		58.56
4728.		58.263
4748.		57.968
4768.		57.675
4788.		57.385
4800.		57.212
4802.		57.183
4804.		57.154
4810.		57.068
4828.	21.785	56.811
4848.	21.755	56.528
4868.	21.726	56.247
4888.	21.697	55.968
4908.	21.668	55.692
4928.	21.639	55.417
4948.	21.61	55.145
4968.	21.582	54.876
4988.	21.554	54.608
5000.	21.537	54.448
5002.	21.534	54.422
5004.	21.532	54.395
5010.	21.523	54.315
5028.	21.498	54.078
5048.	21.471	53.817
5068.	21.444	53.559
5088.	21.417	53.304
5108.	21.39	53.05
5128.	21.363	52.798
5148.	21.337	52.549
5168.	21.311	52.301
5188.	21.285	52.055
5200.	21.27	51.909
5202.	21.267	51.884
5204.	21.264	51.86
5206.	21.262	51.835
5212.	21.254	51.762

5230.	21.231	51.637
5250.	21.206	51.559
5270.	21.181	51.481
5290.	21.156	51.403
5310.	21.131	51.324
5330.	21.107	51.246
5350.	21.082	51.166
5370.	21.058	51.087
5390.	21.033	51.007
5400.	21.021	50.967
5402.	21.019	50.959
5404.	21.016	50.951
5410.	21.009	50.927
5428.	20.987	50.855
5448.	20.964	50.774
5468.	20.94	50.693
5488.	20.917	50.612
5508.	20.893	50.531
5528.	20.87	50.449
5548.	20.847	50.368
5568.	20.824	50.286
5588.	20.802	50.204
5600.	20.788	50.154
5602.	20.786	50.146
5604.	20.784	50.138
5610.	20.777	50.113
5628.	20.757	50.039
5648.	20.735	49.956
5668.	20.713	49.874
5688.	20.691	49.791
5708.	20.67	49.707
5728.	20.648	49.624
5748.	20.627	49.541
5768.	20.606	49.457
5788.	20.585	49.373
5800.	20.572	49.323
5802.	20.57	49.314
5804.	20.568	49.306
5810.	20.562	49.281
5828.	20.543	49.205
5848.	20.523	49.121
5868.	20.502	49.037
5888.	20.482	48.952
5908.	20.462	48.868
5928.	20.442	48.783
5948.	20.422	48.699
5968.	20.402	48.614
5988.	20.382	48.529

6000.	20.37	48.478
6002.	20.368	48.47
6004.	20.366	48.461
6010.	20.36	48.436
6028.	20.343	48.36
6048.	20.323	48.275
6068.	20.304	48.19
6088.	20.285	48.105
6108.	20.266	48.02
6128.	20.247	47.935
6148.	20.228	47.85
6168.	20.209	47.765
6188.	20.191	47.68
6200.	20.18	47.629
6202.	20.178	47.62
6204.	20.176	47.612
6210.	20.171	47.586
6228.	20.154	47.51
6248.	20.136	47.425
6268.	20.118	47.34
6288.	20.1	47.254
6308.	20.082	47.169
6328.	20.065	47.084
6348.	20.047	46.999
6368.	20.03	46.914
6388.	20.013	46.829
6400.	20.002	46.778
6402.	20.001	46.77
6404.	19.999	46.761
6410.	19.994	46.736
6428.	19.978	46.659
6448.	19.962	46.574
6468.	19.945	46.489
6488.	19.928	46.405
6508.	19.911	46.32
6528.	19.894	46.235
6548.	19.877	46.15
6568.	19.861	46.066
6588.	19.844	45.981
6600.	19.835	45.931
6602.	19.833	45.922
6604.	19.831	45.914
6610.	19.826	45.889
6628.	19.812	45.813
6648.	19.796	45.728
6668.	19.78	45.644
6688.	19.764	45.56
6708.	19.748	45.476

6728.	19.732	45.392
6748.	19.717	45.308
6768.	19.701	45.225
6788.	19.686	45.141
6800.	19.677	45.091
6802.	19.675	45.082
6804.	19.674	45.074
6810.	19.669	45.049
6828.	19.656	44.974
6848.	19.641	44.891
6868.	19.626	44.807
6888.	19.611	44.724
6908.	19.596	44.641
6928.	19.581	44.558
6948.	19.567	44.475
6968.	19.552	44.393
6988.	19.538	44.31
7000.	19.529	44.26
7002.	19.528	44.252
7004.	19.526	44.244
7010.	19.522	44.219
7028.	19.509	44.145
7048.	19.495	44.063
7068.	19.48	43.98
7088.	19.466	43.898
7108.	19.452	43.817
7128.	19.438	43.735
7148.	19.424	43.653
7168.	19.411	43.572
7188.	19.397	43.49
7200.	19.389	43.442

FIGURE 21
Model (L4) > Transient Thermal (L5) > Solution (L6) > Drum Content T

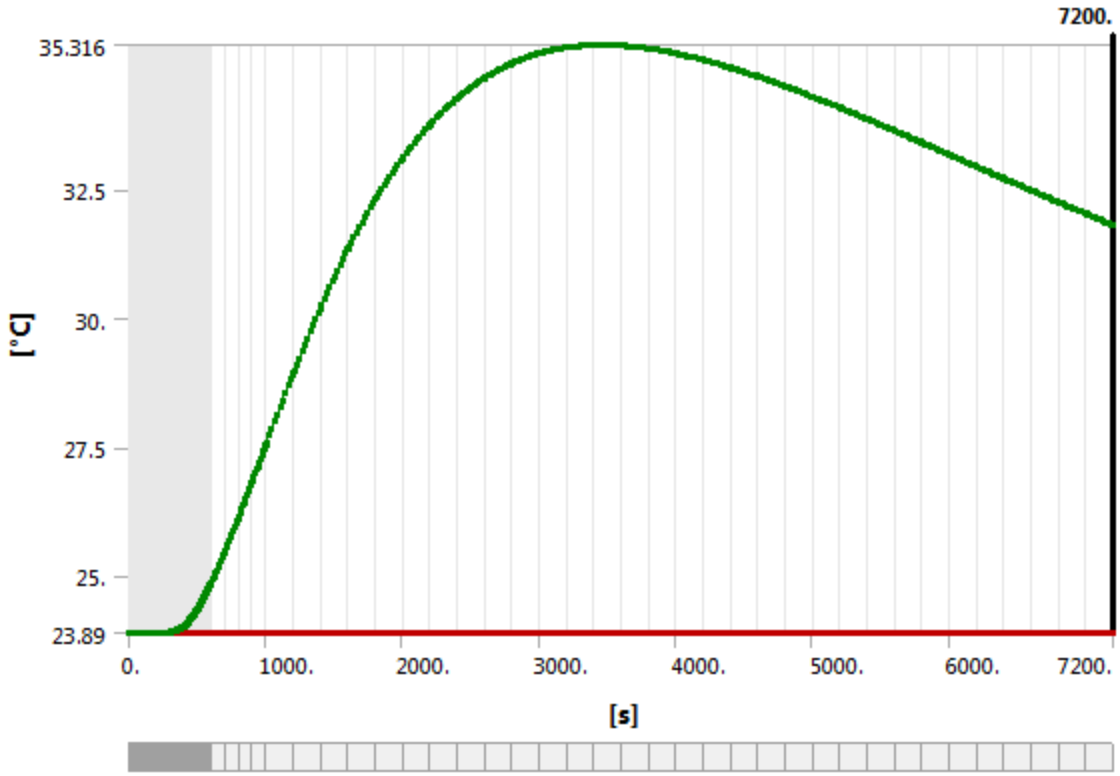

TABLE 29
Model (L4) > Transient Thermal (L5) > Solution (L6) > Drum Content T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.89	23.89
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		
3.08		
3.28		

3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		
10.28		
10.48		

10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		
15.48		
15.68		
15.88		
16.		
16.02		
16.04		
16.1		
16.28		
16.48		
16.68		
16.88		
17.08		
17.28		
17.48		
17.68		
17.88		
18.		
18.02		

18.04		
18.1		
18.28		
18.48		
18.68		
18.88		
19.08		
19.28		
19.48		
19.68		
19.88		
20.		
20.02		
20.04		
20.1		
20.28		
20.48		
20.68		
20.88		
21.08		
21.28		
21.48		
21.68		
21.88		
22.		
22.02		
22.04		
22.1		
22.28		
22.48		
22.68		
22.88		
23.08		
23.28		
23.48		
23.68		
23.88		
24.		
24.02		
24.04		
24.1		
24.28		
24.48		
24.68		
24.88		
25.08		
25.28		
25.48		

25.68		
25.88		
26.		
26.02		
26.04		
26.1		
26.28		
26.48		
26.68		
26.88		
27.08		
27.28		
27.48		
27.68		
27.88		
28.		
28.02		
28.04		
28.1		
28.28		
28.48		
28.68		
28.88		
29.08		
29.28		
29.48		
29.68		
29.88		
30.		
30.02		
30.04		
30.1		
30.28		
30.48		
30.68		
30.88		
31.08		
31.28		
31.48		
31.68		
31.88		
32.		
32.02		
32.04		
32.1		
32.28		
32.48		
32.68		

32.88		
33.08		
33.28		
33.48		
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		
34.48		
34.68		
34.88		
35.08		
35.28		
35.48		
35.68		
35.88		
36.		
36.02		
36.04		
36.1		
36.28		
36.48		
36.68		
36.88		
37.08		
37.28		
37.48		
37.68		
37.88		
38.		
38.02		
38.04		
38.1		
38.28		
38.48		
38.68		
38.88		
39.08		
39.28		
39.48		
39.68		
39.88		
40.		
40.02		
40.04		

40.1		
40.28		
40.48		
40.68		
40.88		
41.08		
41.28		
41.48		
41.68		
41.88		
42.		
42.02		
42.04		
42.1		
42.28		
42.48		
42.68		
42.88		
43.08		
43.28		
43.48		
43.68		
43.88		
44.		
44.02		
44.04		
44.1		
44.28		
44.48		
44.68		
44.88		
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		
46.28		
46.48		
46.68		
46.88		
47.08		
47.28		
47.48		
47.68		

47.88		
48.		
48.02		
48.04		
48.1		
48.28		
48.48		
48.68		
48.88		
49.08		
49.28		
49.48		
49.68		
49.88		
50.		
50.02		
50.04		
50.1		
50.28		
50.48		
50.68		
50.88		
51.08		
51.28		
51.48		
51.68		
51.88		
52.		
52.02		
52.04		
52.1		
52.28		
52.48		
52.68		
52.88		
53.08		
53.28		
53.48		
53.68		
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3148.		35.243
3168.		35.253

3188.		35.261
3200.		35.266
3202.		35.267
3204.		35.268
3210.		35.27
3228.		35.276
3248.		35.283
3268.		35.289
3288.		35.295
3308.		35.3
3328.		35.304
3348.		35.308
3368.		35.31
3388.		35.312
3400.		35.313
3402.		
3404.		
3410.		35.314
3428.		35.315
3448.		35.316
3468.		
3488.		
3508.		35.315
3528.		35.314
3548.		35.312
3568.		35.31
3588.		35.307
3600.		35.305
3602.		
3604.		35.304
3610.		35.303
3628.		35.3
3648.		35.295
3668.		35.291
3688.		35.286
3708.		35.28
3728.		35.273
3748.		35.266
3768.		35.259
3788.		35.252
3800.		35.248
3802.		35.247
3804.		35.246
3810.		35.244
3828.		35.237
3848.		35.228
3868.		35.22
3888.		35.211

3908.		35.202
3928.		35.192
3948.		35.182
3968.		35.172
3988.		35.161
4000.		35.154
4002.		35.153
4004.		35.152
4010.		35.148
4028.		35.138
4048.		35.126
4068.		35.114
4088.		35.102
4108.		35.09
4128.		35.077
4148.		35.064
4168.		35.05
4188.		35.037
4200.		35.028
4202.		35.027
4204.		35.025
4210.		35.021
4228.		35.008
4248.		34.993
4268.		34.979
4288.		34.964
4308.		34.949
4328.		34.933
4348.		34.918
4368.		34.902
4388.		34.886
4400.		34.876
4402.		34.874
4404.		34.873
4410.		34.867
4428.		34.853
4448.		34.836
4468.		34.819
4488.		34.802
4508.		34.785
4528.		34.767
4548.		34.75
4568.		34.732
4588.		34.714
4600.		34.703
4602.		34.701
4604.		34.699
4610.		34.693

4628.		34.677
4648.		34.659
4668.		34.64
4688.		34.621
4708.		34.602
4728.		34.583
4748.		34.564
4768.		34.545
4788.		34.525
4800.		34.513
4802.		34.511
4804.		34.509
4810.		34.503
4828.		34.485
4848.		34.465
4868.		34.445
4888.		34.425
4908.		34.405
4928.		34.385
4948.		34.364
4968.		34.344
4988.		34.323
5000.		34.31
5002.		34.308
5004.		34.306
5010.		34.299
5028.		34.281
5048.		34.26
5068.		34.239
5088.		34.217
5108.		34.196
5128.		34.175
5148.	23.891	34.154
5168.		34.132
5188.		34.11
5200.		34.097
5202.		34.095
5204.		34.093
5206.		34.09
5212.		34.084
5230.		34.064
5250.		34.042
5270.		34.021
5290.		33.999
5310.		33.977
5330.		33.955
5350.		33.932
5370.		33.91

5390.		33.888
5400.		33.877
5402.		33.874
5404.		33.872
5410.		33.865
5428.		33.845
5448.		33.822
5468.		33.8
5488.		33.778
5508.		33.755
5528.		33.732
5548.		33.71
5568.		33.687
5588.		33.665
5600.		33.651
5602.		33.648
5604.		33.646
5610.		33.639
5628.		33.618
5648.		33.596
5668.		33.573
5688.		33.55
5708.		33.527
5728.		33.504
5748.		33.48
5768.		33.457
5788.		33.434
5800.		33.42
5802.		33.418
5804.		33.416
5810.		33.408
5828.		33.388
5848.		33.365
5868.		33.342
5888.		33.319
5908.		33.296
5928.		33.272
5948.		33.249
5968.	23.892	33.226
5988.		33.203
6000.		33.189
6002.		33.187
6004.		33.184
6010.		33.177
6028.		33.156
6048.		33.133
6068.		33.11
6088.		33.087

6108.		33.064
6128.		33.04
6148.		33.017
6168.		32.994
6188.		32.971
6200.		32.957
6202.		32.954
6204.		32.952
6210.		32.945
6228.		32.924
6248.		32.901
6268.		32.878
6288.		32.854
6308.		32.831
6328.		32.807
6348.		32.784
6368.		32.761
6388.		32.738
6400.		32.724
6402.		32.722
6404.		32.719
6410.		32.712
6428.		32.691
6448.		32.668
6468.	23.893	32.645
6488.		32.622
6508.		32.599
6528.		32.576
6548.		32.553
6568.		32.53
6588.		32.507
6600.		32.493
6602.		32.491
6604.		32.489
6610.		32.482
6628.		32.461
6648.		32.438
6668.		32.415
6688.		32.392
6708.		32.369
6728.		32.347
6748.		32.324
6768.		32.301
6788.		32.278
6800.		32.264
6802.		32.262
6804.		32.26
6810.		32.253

6828.	23.894	32.232
6848.		32.21
6868.		32.187
6888.		32.164
6908.		32.141
6928.		32.118
6948.		32.095
6968.		32.073
6988.		32.05
7000.		32.037
7002.		32.035
7004.		32.032
7010.		32.025
7028.		32.005
7048.		31.983
7068.		31.961
7088.		31.938
7108.		31.916
7128.	23.895	31.894
7148.		31.871
7168.		31.849
7188.		31.827
7200.		31.814

FIGURE 22
Model (L4) > Transient Thermal (L5) > Solution (L6) > Drum T

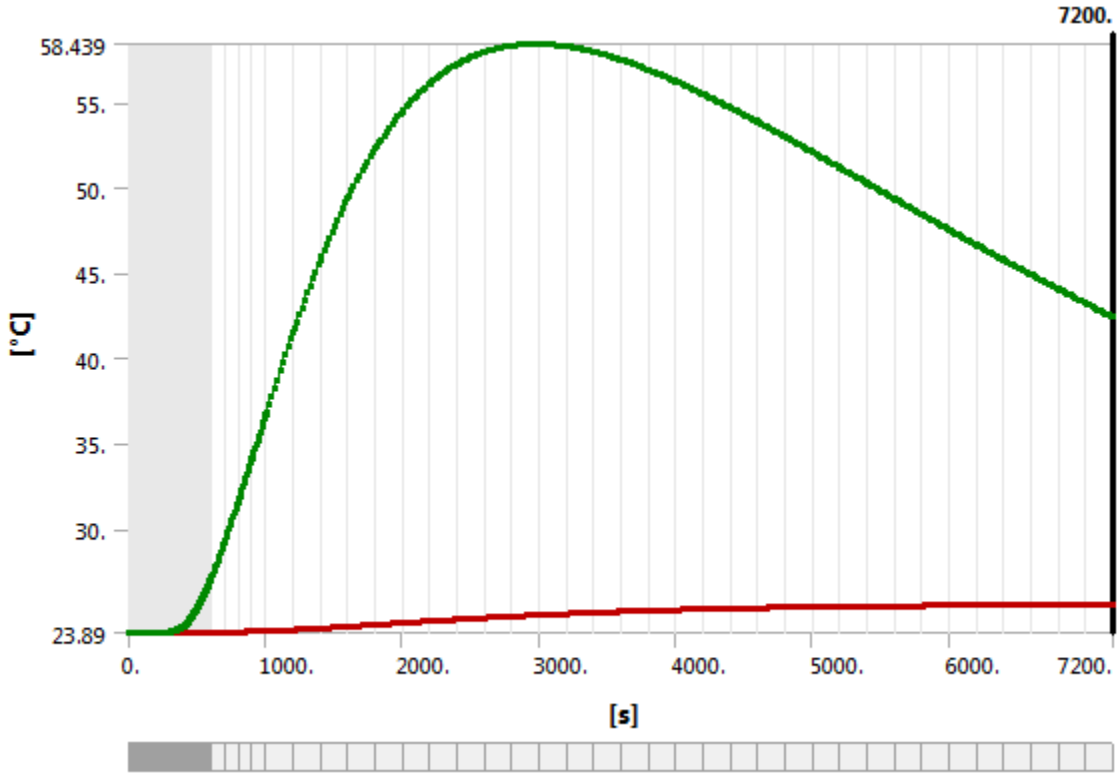

TABLE 30
Model (L4) > Transient Thermal (L5) > Solution (L6) > Drum T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.89	23.89
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
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445.94		24.667
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447.05		
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466.02		
466.05		

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498.24		25.312
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498.94		25.322
499.		25.323
499.01		
499.02		
499.05		25.324
499.14		25.325
499.24		25.326
499.34		25.328

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499.64		25.332
499.74		25.333
499.84		25.335
499.94		25.336
500.		25.337
500.01		
500.02		
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500.14		25.339
500.24		25.341
500.34		25.342
500.44		25.343
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500.84		25.349
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501.		
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501.02		
501.05		
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501.44		25.358
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501.84		25.363
501.94		25.365
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502.02		
502.05		
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502.34		25.371
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502.64		25.375
502.74		25.376
502.84		25.378
502.94		25.379
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503.01		
503.02		

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504.05		
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510.05		
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510.44		25.489

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511.05		
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513.05		
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514.		25.543
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514.02		
514.05		

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515.02		
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515.44		25.565
515.54		25.566
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516.54		25.581
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517.02		
517.05		
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517.54		25.597
517.64		25.598
517.74		25.6
517.84		25.601
517.94		25.603

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518.05		
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521.44		25.657
521.54		25.658

521.64		25.66
521.74		25.662
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522.02		
522.05		
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586.7		26.787
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591.7		26.883
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601.		27.063
602.		27.082
605.	23.907	27.141
614.	23.908	27.322
623.	23.909	27.506
633.	23.91	27.714
643.	23.911	27.926
653.	23.912	28.141
663.	23.913	28.359
673.	23.915	28.58
683.	23.916	28.804
693.	23.918	29.031
700.		29.188
701.	23.919	29.211
702.		29.234
705.		29.302
714.	23.921	29.511
723.	23.922	29.722
733.	23.924	29.958
743.	23.925	30.196
753.	23.927	30.436
763.	23.929	30.678
773.	23.931	30.921
783.	23.932	31.166
793.	23.934	31.412

800.	23.936	31.583
801.		31.607
802.		31.632
805.	23.937	31.706
814.	23.938	31.925
824.	23.94	32.175
834.	23.943	32.426
844.	23.945	32.678
854.	23.947	32.93
864.	23.949	33.179
874.	23.951	33.428
884.	23.954	33.677
894.	23.956	33.927
900.	23.957	34.079
901.	23.958	34.104
902.		34.129
905.	23.959	34.206
914.	23.961	34.432
924.	23.963	34.683
934.	23.966	34.934
944.	23.969	35.185
954.	23.971	35.437
964.	23.974	35.688
974.	23.977	35.939
984.	23.98	36.19
994.	23.983	36.44
1000.	23.985	36.591
1002.		36.642
1004.	23.986	36.692
1010.	23.988	36.843
1028.	23.994	37.297
1046.	24.	37.749
1066.	24.007	38.247
1086.	24.014	38.741
1106.	24.021	39.231
1126.	24.029	39.717
1146.	24.036	40.198
1166.	24.044	40.673
1186.	24.052	41.143
1200.	24.058	41.469
1202.		41.515
1204.	24.059	41.562
1210.	24.062	41.7
1228.	24.069	42.112
1246.	24.077	42.519
1266.	24.085	42.965
1286.	24.094	43.405
1306.	24.103	43.838

1326.	24.112	44.264
1346.	24.121	44.683
1366.	24.131	45.096
1386.	24.14	45.501
1400.	24.147	45.779
1402.		45.819
1404.	24.148	45.858
1410.	24.151	45.977
1428.	24.16	46.328
1446.	24.169	46.674
1466.	24.179	47.051
1486.	24.189	47.42
1506.	24.199	47.783
1526.	24.209	48.137
1546.	24.219	48.485
1566.	24.229	48.825
1586.	24.24	49.158
1600.	24.247	49.386
1602.	24.248	49.419
1604.	24.249	49.451
1610.	24.252	49.548
1628.	24.261	49.834
1646.	24.271	50.114
1666.	24.281	50.418
1686.	24.292	50.715
1706.	24.303	51.005
1726.	24.313	51.288
1746.	24.324	51.563
1766.	24.335	51.832
1786.	24.345	52.094
1800.	24.353	52.274
1802.	24.354	52.299
1804.	24.355	52.325
1810.	24.358	52.401
1828.	24.368	52.624
1846.	24.377	52.842
1866.	24.388	53.077
1886.	24.399	53.306
1906.	24.41	53.529
1926.	24.421	53.745
1946.	24.431	53.955
1966.	24.442	54.159
1986.	24.453	54.356
2000.	24.46	54.491
2002.	24.461	54.511
2004.	24.462	54.53
2010.	24.465	54.587
2028.	24.474	54.754

2048.	24.485	54.933
2068.	24.496	55.107
2088.	24.506	55.275
2108.	24.517	55.438
2128.	24.528	55.595
2148.	24.538	55.747
2168.	24.548	55.894
2188.	24.559	56.035
2200.	24.565	56.118
2202.	24.566	56.132
2204.	24.567	56.145
2210.	24.57	56.186
2228.	24.579	56.305
2248.	24.589	56.432
2268.	24.6	56.553
2288.	24.61	56.67
2308.	24.62	56.783
2328.	24.629	56.892
2348.	24.639	56.996
2368.	24.649	57.096
2388.	24.659	57.192
2400.	24.665	57.248
2402.	24.666	57.257
2404.	24.667	57.266
2410.	24.67	57.293
2428.	24.678	57.372
2448.	24.688	57.455
2468.	24.697	57.535
2488.	24.707	57.61
2508.	24.716	57.683
2528.	24.726	57.751
2548.	24.735	57.815
2568.	24.744	57.876
2588.	24.753	57.934
2600.	24.759	57.966
2602.	24.76	57.972
2604.	24.761	57.977
2610.	24.764	57.993
2628.	24.772	58.038
2648.	24.781	58.085
2668.	24.79	58.129
2688.	24.799	58.17
2708.	24.807	58.208
2728.	24.816	58.242
2748.	24.825	58.274
2768.	24.833	58.303
2788.	24.842	58.329
2800.	24.847	58.343

2802.	24.848	58.345
2804.	24.849	58.347
2810.	24.851	58.353
2828.	24.859	58.371
2848.	24.867	58.388
2868.	24.876	58.403
2888.	24.884	58.415
2908.	24.892	58.425
2928.	24.9	58.432
2948.	24.908	58.436
2968.	24.916	58.439
2988.	24.924	
3000.	24.928	58.437
3002.	24.929	
3004.	24.93	58.436
3010.	24.932	58.435
3028.	24.939	58.43
3048.	24.947	58.423
3068.	24.954	58.414
3088.	24.962	58.403
3108.	24.969	58.39
3128.	24.977	58.374
3148.	24.984	58.357
3168.	24.991	58.338
3188.	24.998	58.317
3200.	25.003	58.303
3202.		58.3
3204.	25.004	58.298
3210.	25.006	58.29
3228.	25.012	58.267
3248.	25.019	58.241
3268.	25.026	58.213
3288.	25.033	58.183
3308.	25.04	58.151
3328.	25.046	58.118
3348.	25.053	58.084
3368.	25.06	58.044
3388.	25.066	58.006
3400.	25.07	57.982
3402.		57.978
3404.	25.071	57.974
3410.	25.073	57.961
3428.	25.079	57.924
3448.	25.085	57.882
3468.	25.091	57.839
3488.	25.097	57.793
3508.	25.103	57.747
3528.	25.109	57.7

3548.	25.115	57.651
3568.	25.121	57.601
3588.	25.127	57.549
3600.	25.13	57.517
3602.	25.131	57.512
3604.	25.132	57.506
3610.	25.133	57.49
3628.	25.138	57.441
3648.	25.144	57.387
3668.	25.15	57.331
3688.	25.155	57.274
3708.	25.161	57.216
3728.	25.166	57.154
3748.	25.171	57.09
3768.	25.177	57.03
3788.	25.182	56.968
3800.	25.185	56.93
3802.		56.923
3804.	25.186	56.916
3810.	25.187	56.897
3828.	25.192	56.839
3848.	25.197	56.775
3868.	25.202	56.709
3888.	25.207	56.643
3908.	25.212	56.576
3928.	25.217	56.508
3948.	25.221	56.439
3968.	25.226	56.37
3988.	25.231	56.299
4000.	25.233	56.256
4002.	25.234	56.249
4004.		56.241
4010.	25.236	56.219
4028.	25.24	56.155
4048.	25.244	56.082
4068.	25.249	56.009
4088.	25.253	55.936
4108.	25.257	55.861
4128.	25.262	55.786
4148.	25.266	55.711
4168.	25.27	55.635
4188.	25.274	55.558
4200.	25.277	55.511
4202.		55.503
4204.		55.495
4210.	25.279	55.471
4228.	25.282	55.401
4248.	25.286	55.322

4268.	25.29	55.244
4288.	25.294	55.164
4308.	25.298	55.085
4328.	25.302	55.004
4348.	25.305	54.923
4368.	25.309	54.842
4388.	25.313	54.761
4400.	25.315	54.711
4402.		54.702
4404.		54.694
4410.	25.316	54.668
4428.	25.32	54.594
4448.	25.323	54.511
4468.	25.327	54.428
4488.	25.33	54.344
4508.	25.333	54.26
4528.	25.337	54.176
4548.	25.34	54.091
4568.	25.343	54.006
4588.	25.347	53.921
4600.	25.348	53.869
4602.	25.349	53.86
4604.		53.851
4610.	25.35	53.824
4628.	25.353	53.747
4648.	25.356	53.661
4668.	25.359	53.574
4688.	25.362	53.487
4708.	25.365	53.4
4728.	25.368	53.313
4748.	25.371	53.225
4768.	25.373	53.137
4788.	25.376	53.049
4800.	25.378	52.996
4802.		52.987
4804.		52.978
4810.	25.379	52.95
4828.	25.382	52.871
4848.	25.384	52.782
4868.	25.387	52.693
4888.	25.39	52.604
4908.	25.392	52.515
4928.	25.395	52.425
4948.	25.397	52.336
4968.	25.4	52.246
4988.	25.402	52.156
5000.	25.404	52.102
5002.		52.092

5004.		52.083
5010.	25.405	52.055
5028.	25.407	51.974
5048.	25.409	51.884
5068.	25.412	51.793
5088.	25.414	51.703
5108.	25.416	51.612
5128.	25.418	51.522
5148.	25.421	51.431
5168.	25.423	51.34
5188.	25.425	51.249
5200.	25.426	51.194
5202.		51.184
5204.		51.175
5206.	25.427	51.165
5212.		51.137
5230.	25.429	51.055
5250.	25.431	50.964
5270.	25.433	50.873
5290.	25.435	50.781
5310.	25.437	50.69
5330.	25.439	50.599
5350.	25.441	50.507
5370.	25.443	50.416
5390.	25.444	50.324
5400.	25.445	50.278
5402.		50.268
5404.	25.446	50.259
5410.		50.231
5428.	25.448	50.148
5448.	25.449	50.057
5468.	25.451	49.965
5488.	25.453	49.873
5508.	25.454	49.782
5528.	25.456	49.69
5548.	25.458	49.599
5568.	25.459	49.507
5588.	25.461	49.416
5600.	25.462	49.361
5602.		49.351
5604.		49.342
5610.		49.314
5628.	25.464	49.232
5648.	25.465	49.141
5668.	25.467	49.051
5688.	25.468	48.96
5708.	25.469	48.869
5728.	25.471	48.779

5748.	25.472	48.685
5768.	25.473	48.595
5788.	25.475	48.504
5800.		48.45
5802.	25.476	48.44
5804.		48.431
5810.		48.403
5828.	25.477	48.322
5848.	25.478	48.232
5868.	25.48	48.142
5888.	25.481	48.052
5908.	25.482	47.962
5928.	25.483	47.872
5948.	25.484	47.782
5968.	25.485	47.693
5988.	25.486	47.603
6000.	25.487	47.549
6002.		47.54
6004.		47.53
6010.		47.503
6028.	25.488	47.422
6048.	25.489	47.333
6068.	25.49	47.244
6088.	25.491	47.155
6108.	25.492	47.066
6128.	25.493	46.977
6148.	25.494	46.889
6168.	25.495	46.8
6188.	25.496	46.712
6200.		46.658
6202.		46.649
6204.	25.497	46.64
6210.		46.613
6228.	25.498	46.534
6248.		46.445
6268.	25.499	46.358
6288.	25.5	46.27
6308.	25.501	46.182
6328.		46.092
6348.	25.502	46.005
6368.	25.503	45.918
6388.		45.831
6400.	25.504	45.778
6402.		45.769
6404.		45.76
6410.		45.734
6428.	25.505	45.655
6448.		45.569

6468.	25.506	45.482
6488.	25.507	45.396
6508.		45.31
6528.	25.508	45.224
6548.		45.138
6568.	25.509	45.052
6588.		44.966
6600.	25.51	44.915
6602.		44.906
6604.		44.897
6610.		44.871
6628.		44.794
6648.	25.511	44.709
6668.		44.624
6688.	25.512	44.539
6708.		44.455
6728.	25.513	44.37
6748.		44.286
6768.		44.202
6788.	25.514	44.118
6800.		44.067
6802.		44.059
6804.		44.05
6810.		44.024
6828.		43.949
6848.	25.515	43.865
6868.		43.782
6888.		43.699
6908.		43.613
6928.	25.516	43.528
6948.		43.445
6968.		43.363
6988.		43.28
7000.	25.517	43.23
7002.		43.222
7004.		43.213
7010.		43.188
7028.		43.114
7048.		43.031
7068.		42.949
7088.		42.867
7108.	25.518	42.786
7128.		42.704
7148.		42.622
7168.		42.541
7188.		42.46
7200.		42.411

FIGURE 23
Model (L4) > Transient Thermal (L5) > Solution (L6) > SWB T

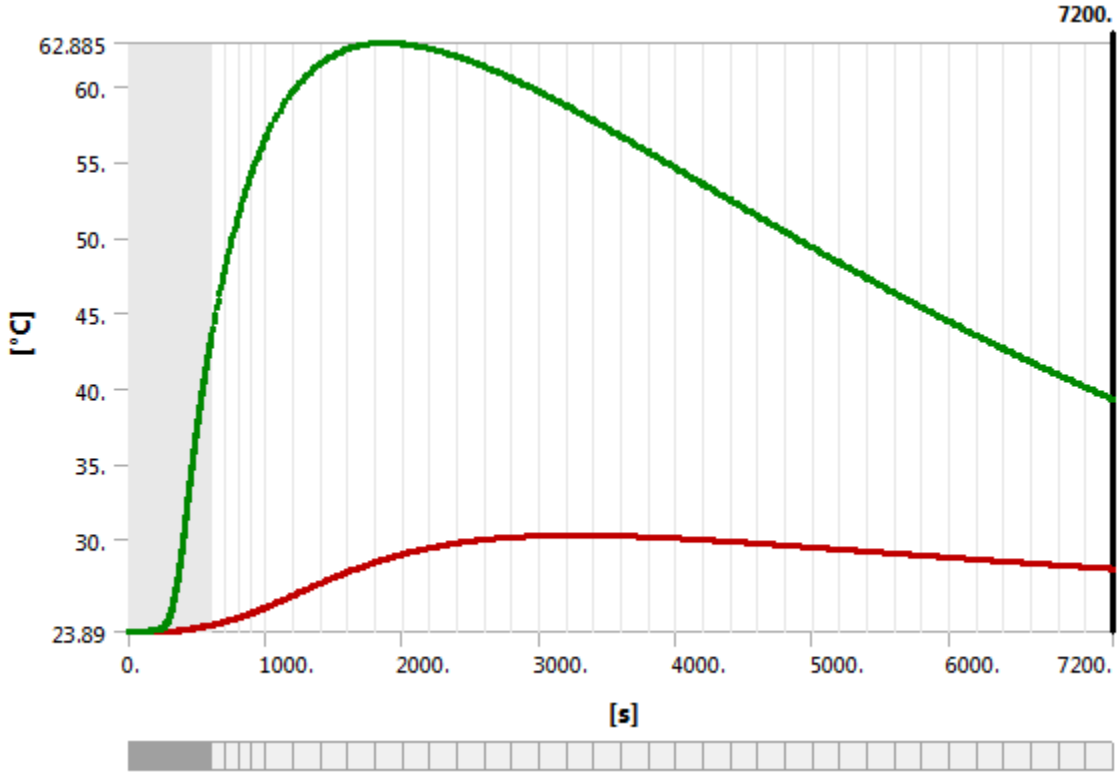

TABLE 31
Model (L4) > Transient Thermal (L5) > Solution (L6) > SWB T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.89	23.89
4.e-002		
0.1		
0.28		
0.48		
0.68		
0.88		
1.08		
1.28		
1.48		
1.68		
1.88		
2.		
2.02		
2.04		
2.1		
2.28		
2.48		
2.68		
2.88		

3.08		
3.28		
3.48		
3.68		
3.88		
4.		
4.02		
4.04		
4.1		
4.28		
4.48		
4.68		
4.88		
5.08		
5.28		
5.48		
5.68		
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88		
7.08		
7.28		
7.48		
7.68		
7.88		
8.		
8.02		
8.04		
8.1		
8.28		
8.48		
8.68		
8.88		
9.08		
9.28		
9.48		
9.68		
9.88		
10.		
10.02		
10.04		
10.1		

10.28		
10.48		
10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		
12.02		
12.04		
12.1		
12.28		
12.48		
12.68		
12.88		
13.08		
13.28		
13.48		
13.68		
13.88		
14.		
14.02		
14.04		
14.1		
14.28		
14.48		
14.68		
14.88		
15.08		
15.28		
15.48		
15.68		
15.88		
16.		
16.02		
16.04		
16.1		
16.28		
16.48		
16.68		
16.88		
17.08		
17.28		
17.48		
17.68		
17.88		

18.		
18.02		
18.04		
18.1		
18.28		
18.48		
18.68		
18.88		
19.08		
19.28		
19.48		
19.68		
19.88		
20.		
20.02		
20.04		
20.1		
20.28		
20.48		
20.68		
20.88		
21.08		
21.28		
21.48		
21.68		
21.88		
22.		
22.02		
22.04		
22.1		
22.28		
22.48		
22.68		
22.88		
23.08		
23.28		
23.48		
23.68		
23.88		
24.		
24.02		
24.04		
24.1		
24.28		
24.48		
24.68		
24.88		
25.08		

25.28		
25.48		
25.68		
25.88		
26.		
26.02		
26.04		
26.1		
26.28		
26.48		
26.68		23.891
26.88		
27.08		
27.28		
27.48		
27.68		
27.88		
28.		
28.02		
28.04		
28.1		
28.28		
28.48		
28.68		
28.88		
29.08		
29.28		
29.48		
29.68		
29.88		
30.		
30.02		
30.04		
30.1		
30.28		
30.48		
30.68		
30.88		
31.08		
31.28		
31.48		
31.68		
31.88		
32.		
32.02		
32.04		
32.1		
32.28		

32.48		
32.68		
32.88		
33.08		
33.28		
33.48		
33.68		
33.88		
34.		
34.02		
34.04		
34.1		
34.28		
34.48		
34.68		
34.88		23.892
35.08		
35.28		
35.48		
35.68		
35.88		
36.		
36.02		
36.04		
36.1		
36.28		
36.48		
36.68		
36.88		
37.08		
37.28		
37.48		
37.68		
37.88		
38.		
38.02		
38.04		
38.1		
38.28		
38.48		
38.68		
38.88		
39.08		
39.28		
39.48		
39.68		
39.88		
40.		

40.02		
40.04		
40.1		
40.28		
40.48		
40.68		
40.88		
41.08		23.893
41.28		
41.48		
41.68		
41.88		
42.		
42.02		
42.04		
42.1		
42.28		
42.48		
42.68		
42.88		
43.08		
43.28		
43.48		
43.68		
43.88		
44.		
44.02		
44.04		
44.1		
44.28		
44.48		
44.68		
44.88		
45.08		
45.28		
45.48		
45.68		
45.88		
46.		
46.02		
46.04		
46.1		23.894
46.28		
46.48		
46.68		
46.88		
47.08		
47.28		

47.48		
47.68		
47.88		
48.		
48.02		
48.04		
48.1		
48.28		
48.48		
48.68		
48.88		
49.08		
49.28		
49.48		
49.68		
49.88		
50.		
50.02		
50.04		
50.1		
50.28		
50.48		
50.68		
50.88		
51.08		
51.28		
51.48		
51.68		
51.88		
52.		
52.02		
52.04		
52.1		
52.28		
52.48		23.895
52.68		
52.88		
53.08		
53.28		
53.48		
53.68		
53.88		
54.		
54.02		
54.04		
54.1		
54.28		
54.48		23.896

54.68		
54.88		
55.08		
55.28		
55.48		
55.68		
55.88		
56.		
56.02		
56.04		
56.1		
56.28		
56.48		
56.68		
56.88		
57.08		
57.28		
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283.94		24.588
284.	23.901	24.589
284.01		24.59
284.02		
284.05		
284.14		24.592
284.24		24.594
284.34		24.596
284.44		24.598
284.54		24.6
284.64		24.602
284.74		24.604
284.84		24.606
284.94		24.608
285.		24.609
285.01		
285.02		
285.05		24.61
285.14		24.611
285.24		24.613
285.34		24.615
285.44		24.617
285.54		24.619
285.64		24.621
285.74		24.623
285.84		24.625
285.94		24.627
286.		24.628
286.01		24.629
286.02		
286.05		
286.14		24.631
286.24		24.633
286.34		24.635
286.44		24.637
286.54		24.639
286.64		24.641
286.74		24.643
286.84		24.645
286.94		24.647
287.		24.648

287.01		24.649
287.02		
287.05		
287.14		24.651
287.24		24.653
287.34		24.655
287.44	23.902	24.657
287.54		24.659
287.64		24.661
287.74		24.664
287.84		24.666
287.94		24.668
288.		24.669
288.01		
288.02		
288.05		24.67
288.14		24.672
288.24		24.674
288.34		24.676
288.44		24.678
288.54		24.68
288.64		24.682
288.74		24.684
288.84		24.686
288.94		24.689
289.		24.69
289.01		
289.02		
289.05		24.691
289.14		24.693
289.24		24.695
289.34		24.697
289.44		24.699
289.54		24.701
289.64		24.703
289.74		24.706
289.84		24.708
289.94		24.71
290.		24.711
290.01		
290.02		24.712
290.05		
290.14		24.714
290.24		24.716
290.34		24.719
290.44		24.721
290.54		24.723
290.64	23.903	24.725

290.74		24.727
290.84		24.729
290.94		24.732
291.		24.733
291.01		
291.02		
291.05		24.734
291.14		24.736
291.24		24.738
291.34		24.74
291.44		24.743
291.54		24.745
291.64		24.747
291.74		24.749
291.84		24.752
291.94		24.754
292.		24.755
292.01		
292.02		24.756
292.05		
292.14		24.758
292.24		24.761
292.34		24.763
292.44		24.765
292.54		24.767
292.64		24.77
292.74		24.772
292.84		24.774
292.94		24.776
293.		24.778
293.01		
293.02		
293.05		24.779
293.14		24.781
293.24		24.783
293.34		24.786
293.44		24.788
293.54		24.79
293.64	23.904	24.792
293.74		24.795
293.84		24.797
293.94		24.799
294.		24.801
294.01		
294.02		
294.05		24.802
294.14		24.804
294.24		24.806

294.34		24.809
294.44		24.811
294.54		24.813
294.64		24.816
294.74		24.818
294.84		24.82
294.94		24.823
295.		24.824
295.01		
295.02		24.825
295.05		
295.14		24.827
295.24		24.83
295.34		24.832
295.44		24.835
295.54		24.837
295.64		24.839
295.74		24.842
295.84		24.844
295.94		24.847
296.		24.848
296.01		
296.02		
296.05		24.849
296.14		24.851
296.24		24.854
296.34		24.856
296.44		24.859
296.54		24.861
296.64		24.864
296.74		24.866
296.84		24.868
296.94		24.871
297.		24.872
297.01		24.873
297.02		
297.05		24.874
297.14	23.905	24.876
297.24		24.878
297.34		24.881
297.44		24.883
297.54		24.886
297.64		24.888
297.74		24.891
297.84		24.893
297.94		24.896
298.		24.897
298.01		24.898

298.02		
298.05		24.899
298.14		24.901
298.24		24.903
298.34		24.906
298.44		24.908
298.54		24.911
298.64		24.914
298.74		24.916
298.84		24.919
298.94		24.921
299.		24.923
299.01		
299.02		
299.05		24.924
299.14		24.926
299.24		24.929
299.34		24.932
299.44		24.934
299.54		24.937
299.64		24.939
299.74		24.942
299.84		24.945
299.94		24.947
300.		24.949
300.01		
300.02		
300.05		24.95
300.14		24.953
300.24		24.955
300.34	23.906	24.958
300.44		24.961
300.54		24.963
300.64		24.966
300.74		24.969
300.84		24.971
300.94		24.974
301.		24.976
301.01		
301.02		
301.05		24.977
301.14		24.979
301.24		24.982
301.34		24.985
301.44		24.987
301.54		24.99
301.64	23.907	24.993
301.74		24.996

301.84		24.998
301.94		25.001
302.		25.003
302.01		
302.02		
302.05		25.004
302.14		25.007
302.24		25.009
302.34		25.012
302.44		25.015
302.54		25.018
302.64		25.02
302.74		25.023
302.84		25.026
302.94		25.029
303.		25.031
303.01		
303.02		
303.05		25.032
303.14		25.034
303.24		25.037
303.34		25.04
303.44		25.043
303.54		25.046
303.64		25.049
303.74		25.051
303.84		25.054
303.94		25.057
304.	23.908	25.059
304.01		
304.02		25.06
304.05		
304.14		25.063
304.24		25.066
304.34		25.069
304.44		25.072
304.54		25.075
304.64		25.077
304.74		25.08
304.84		25.083
304.94		25.086
305.		25.088
305.01		
305.02		25.089
305.05		25.09
305.14		25.092
305.24		25.095
305.34		25.098

305.44		25.101
305.54		25.104
305.64		25.107
305.74		25.11
305.84		25.113
305.94		25.116
306.		25.118
306.01		
306.02		25.119
306.05		25.12
306.14		25.122
306.24	23.909	25.125
306.34		25.128
306.44		25.131
306.54		25.134
306.64		25.138
306.74		25.141
306.84		25.144
306.94		25.147
307.		25.149
307.01		
307.02		
307.05		25.15
307.14		25.153
307.24		25.156
307.34		25.159
307.44		25.162
307.54		25.166
307.64		25.169
307.74		25.172
307.84		25.175
307.94		25.178
308.		25.18
308.01		
308.02		25.181
308.05		25.182
308.14		25.184
308.24		25.188
308.34		25.191
308.44	23.91	25.194
308.54		25.197
308.64		25.2
308.74		25.204
308.84		25.207
308.94		25.21
309.		25.212
309.01		
309.02		25.213

309.05		
309.14		25.216
309.24		25.22
309.34		25.223
309.44		25.226
309.54		25.229
309.64		25.233
309.74		25.236
309.84		25.239
309.94		25.242
310.		25.244
310.01		25.245
310.02		
310.05		25.246
310.14		25.249
310.24		25.252
310.34		25.255
310.44	23.911	25.259
310.54		25.262
310.64		25.265
310.74		25.269
310.84		25.272
310.94		25.275
311.		25.277
311.01		25.278
311.02		
311.05		25.279
311.14		25.282
311.24		25.285
311.34		25.289
311.44		25.292
311.54		25.295
311.64		25.299
311.74		25.302
311.84		25.305
311.94		25.309
312.		25.311
312.01		
312.02		
312.05		25.313
312.14		25.316
312.24		25.319
312.34		25.322
312.44	23.912	25.326
312.54		25.329
312.64		25.333
312.74		25.336
312.84		25.339

312.94		25.343
313.		25.345
313.01		
313.02		25.346
313.05		25.347
313.14		25.35
313.24		25.353
313.34		25.357
313.44		25.36
313.54		25.364
313.64		25.367
313.74		25.37
313.84		25.374
313.94		25.377
314.		25.379
314.01		25.38
314.02		
314.05		25.381
314.14		25.384
314.24		25.388
314.34		25.391
314.44		25.395
314.54		25.398
314.64		25.402
314.74		25.405
314.84		25.409
314.94		25.412
315.		25.415
315.01		
315.02		
315.05		25.416
315.14		25.42
315.24	23.913	25.423
315.34		25.427
315.44		25.43
315.54		25.434
315.64		25.437
315.74		25.441
315.84		25.445
315.94		25.448
316.		25.45
316.01		25.451
316.02		
316.05		25.452
316.14		25.455
316.24		25.459
316.34	23.914	25.462
316.44		25.466

316.54		25.47
316.64		25.473
316.74		25.477
316.84		25.481
316.94		25.484
317.		25.486
317.01		25.487
317.02		
317.05		25.488
317.14		25.492
317.24		25.495
317.34		25.499
317.44		25.503
317.54		25.506
317.64		25.51
317.74		25.514
317.84		25.517
317.94		25.521
318.	23.915	25.523
318.01		25.524
318.02		
318.05		25.525
318.14		25.528
318.24		25.532
318.34		25.536
318.44		25.54
318.54		25.543
318.64		25.547
318.74		25.551
318.84		25.554
318.94		25.558
319.		25.56
319.01		25.561
319.02		
319.05		25.562
319.14		25.566
319.24		25.57
319.34		25.573
319.44		25.577
319.54		25.581
319.64		25.585
319.74	23.916	25.588
319.84		25.592
319.94		25.596
320.		25.598
320.01		25.599
320.02		
320.05		25.6

320.14		25.604
320.24		25.607
320.34		25.611
320.44		25.615
320.54		25.619
320.64		25.623
320.74		25.627
320.84		25.63
320.94		25.634
321.		25.637
321.01		
321.02		
321.05		25.638
321.14		25.642
321.24		25.646
321.34		25.65
321.44	23.917	25.654
321.54		25.657
321.64		25.661
321.74		25.665
321.84		25.669
321.94		25.673
322.		25.675
322.01		25.676
322.02		
322.05		25.677
322.14		25.681
322.24		25.685
322.34		25.689
322.44		25.693
322.54		25.696
322.64		25.7
322.74		25.704
322.84		25.708
322.94		25.712
323.		25.715
323.01		
323.02		
323.05	23.918	25.717
323.14		25.72
323.24		25.724
323.34		25.728
323.44		25.732
323.54		25.736
323.64		25.74
323.74		25.744
323.84		25.748
323.94		25.752

324.		25.754
324.01		25.755
324.02		
324.05		25.756
324.14		25.76
324.24		25.764
324.34		25.768
324.44		25.772
324.54		25.776
324.64		25.78
324.74	23.919	25.784
324.84		25.788
324.94		25.792
325.		25.794
325.01		25.795
325.02		
325.05		25.796
325.14		25.8
325.24		25.804
325.34		25.808
325.44		25.812
325.54		25.816
325.64		25.82
325.74		25.824
325.84		25.828
325.94		25.832
326.		25.835
326.01		
326.02		25.836
326.05		25.837
326.14		25.841
326.24		25.845
326.34	23.92	25.849
326.44		25.853
326.54		25.857
326.64		25.861
326.74		25.865
326.84		25.869
326.94		25.873
327.		25.876
327.01		
327.02		25.877
327.05		25.878
327.14		25.882
327.24		25.886
327.34		25.89
327.44		25.894
327.54		25.898

327.64		25.902
327.74		25.906
327.84	23.921	25.911
327.94		25.915
328.		25.917
328.01		25.918
328.02		
328.05		25.919
328.14		25.923
328.24		25.927
328.34		25.931
328.44		25.936
328.54		25.94
328.64		25.944
328.74		25.948
328.84		25.952
328.94		25.957
329.		25.959
329.01		25.96
329.02		
329.05		25.961
329.14		25.965
329.24		25.969
329.34	23.922	25.973
329.44		25.978
329.54		25.982
329.64		25.986
329.74		25.99
329.84		25.995
329.94		25.999
330.		26.001
330.01		26.002
330.02		
330.05		26.004
330.14		26.007
330.24		26.012
330.34		26.016
330.44		26.02
330.54		26.024
330.64		26.029
330.74		26.033
330.84	23.923	26.037
330.94		26.042
331.		26.044
331.01		26.045
331.02		
331.05		26.046
331.14		26.05

331.24		26.055
331.34		26.059
331.44		26.063
331.54		26.067
331.64		26.072
331.74		26.076
331.84		26.08
331.94		26.085
332.		26.087
332.01		26.088
332.02		
332.05		26.09
332.14		26.093
332.24		26.098
332.34	23.924	26.102
332.44		26.107
332.54		26.111
332.64		26.115
332.74		26.12
332.84		26.124
332.94		26.128
333.		26.131
333.01		
333.02		26.132
333.05		26.133
333.14		26.137
333.24		26.142
333.34		26.146
333.44		26.15
333.54		26.155
333.64		26.159
333.74		26.164
333.84	23.925	26.168
333.94		26.172
334.		26.175
334.01		
334.02		26.176
334.05		26.177
334.14		26.181
334.24		26.186
334.34		26.19
334.44		26.195
334.54		26.199
334.64		26.203
334.74		26.208
334.84		26.212
334.94		26.217
335.		26.219

335.01		26.22
335.02		
335.05		26.222
335.14		26.226
335.24	23.926	26.23
335.34		26.235
335.44		26.239
335.54		26.244
335.64		26.248
335.74		26.253
335.84		26.257
335.94		26.262
336.		26.264
336.01		26.265
336.02		
336.05		26.267
336.14		26.271
336.24		26.275
336.34		26.28
336.44		26.284
336.54		26.289
336.64	23.927	26.293
336.74		26.298
336.84		26.302
336.94		26.307
337.		26.31
337.01		
337.02		26.311
337.05		26.312
337.14		26.316
337.24		26.321
337.34		26.325
337.44		26.33
337.54		26.334
337.64		26.339
337.74		26.343
337.84		26.348
337.94		26.353
338.	23.928	26.355
338.01		26.356
338.02		
338.05		26.358
338.14		26.362
338.24		26.366
338.34		26.371
338.44		26.376
338.54		26.38
338.64		26.385

338.74		26.39
338.84		26.394
338.94		26.399
339.		26.402
339.01		
339.02		
339.05		26.404
339.14		26.408
339.24		26.413
339.34	23.929	26.417
339.44		26.422
339.54		26.427
339.64		26.431
339.74		26.436
339.84		26.441
339.94		26.445
340.		26.448
340.01		26.449
340.02		
340.05		26.45
340.14		26.455
340.24		26.459
340.34		26.464
340.44		26.469
340.54		26.473
340.64		26.478
340.74	23.93	26.483
340.84		26.488
340.94		26.492
341.		26.495
341.01		26.496
341.02		
341.05		26.498
341.14		26.502
341.24		26.506
341.34		26.511
341.44		26.516
341.54		26.521
341.64		26.525
341.74		26.53
341.84		26.535
341.94		26.54
342.	23.931	26.543
342.01		
342.02		26.544
342.05		26.545
342.14		26.549
342.24		26.554

342.34		26.559
342.44		26.564
342.54		26.568
342.64		26.573
342.74		26.578
342.84		26.583
342.94		26.588
343.		26.59
343.01		26.591
343.02		
343.05		26.593
343.14		26.597
343.24		26.602
343.34		26.607
343.44		26.612
343.54		26.616
343.64		26.621
343.74		26.626
343.84		26.631
343.94		26.636
344.	23.932	26.639
344.01		
344.02		26.64
344.05		26.641
344.14		26.646
344.24		26.65
344.34		26.655
344.44		26.66
344.54		26.665
344.64		26.67
344.74		26.675
344.84		26.68
344.94		26.684
345.		26.687
345.01		26.688
345.02		
345.05	23.933	26.69
345.14		26.694
345.24		26.699
345.34		26.704
345.44		26.709
345.54		26.714
345.64		26.719
345.74		26.724
345.84		26.729
345.94	23.934	26.734
346.		26.737
346.01		

346.02		26.738
346.05		26.739
346.14		26.743
346.24		26.748
346.34		26.753
346.44		26.758
346.54		26.763
346.64		26.768
346.74		26.773
346.84		26.778
346.94		26.783
347.		26.786
347.01		26.787
347.02		
347.05		26.789
347.14		26.793
347.24		26.798
347.34		26.803
347.44		26.808
347.54		26.813
347.64		26.818
347.74		26.823
347.84	23.935	26.828
347.94		26.833
348.		26.836
348.01		26.837
348.02		
348.05		26.839
348.14		26.843
348.24		26.848
348.34		26.853
348.44		26.858
348.54		26.863
348.64		26.868
348.74		26.873
348.84		26.879
348.94		26.884
349.	23.936	26.887
349.01		
349.02		26.888
349.05		26.889
349.14		26.894
349.24		26.899
349.34		26.904
349.44		26.909
349.54		26.914
349.64	23.937	26.919
349.74		26.924

349.84		26.929
349.94		26.935
350.		26.938
350.01		
350.02		26.939
350.05		26.94
350.14		26.945
350.24		26.95
350.34		26.955
350.44		26.96
350.54		26.965
350.64		26.97
350.74		26.976
350.84		26.981
350.94		26.986
351.		26.989
351.01		26.99
351.02		
351.05		26.992
351.14	23.938	26.996
351.24		27.001
351.34		27.007
351.44		27.012
351.54		27.017
351.64		27.022
351.74		27.027
351.84		27.032
351.94		27.038
352.		27.041
352.01		
352.02		27.042
352.05		27.043
352.14		27.048
352.24		27.053
352.34		27.059
352.44	23.939	27.064
352.54		27.069
352.64		27.074
352.74		27.079
352.84		27.085
352.94		27.09
353.		27.093
353.01		27.094
353.02		
353.05		27.096
353.14		27.1
353.24	23.94	27.106
353.34		27.111

353.44		27.116
353.54		27.121
353.64		27.127
353.74		27.132
353.84		27.137
353.94		27.143
354.		27.146
354.01		
354.02		27.147
354.05		27.148
354.14		27.153
354.24	23.941	27.159
354.34		27.164
354.44		27.169
354.54		27.174
354.64		27.18
354.74		27.185
354.84		27.19
354.94		27.196
355.		27.199
355.01		
355.02		27.2
355.05		27.202
355.14		27.206
355.24		27.212
355.34		27.217
355.44	23.942	27.222
355.54		27.228
355.64		27.233
355.74		27.239
355.84		27.244
355.94		27.249
356.		27.253
356.01		
356.02		27.254
356.05		27.255
356.14		27.26
356.24		27.265
356.34		27.271
356.44		27.276
356.54	23.943	27.282
356.64		27.287
356.74		27.292
356.84		27.298
356.94		27.303
357.		27.307
357.01		
357.02		27.308

357.05		27.309
357.14		27.314
357.24		27.32
357.34		27.325
357.44		27.331
357.54		27.336
357.64		27.341
357.74		27.347
357.84		27.352
357.94		27.358
358.		27.361
358.01		27.362
358.02		
358.05	23.944	27.364
358.14		27.369
358.24		27.374
358.34		27.38
358.44		27.385
358.54		27.391
358.64		27.396
358.74		27.402
358.84		27.407
358.94		27.413
359.		27.416
359.01		27.417
359.02		
359.05		27.419
359.14	23.945	27.424
359.24		27.429
359.34		27.435
359.44		27.44
359.54		27.446
359.64		27.451
359.74		27.457
359.84		27.463
359.94		27.468
360.		27.471
360.01		27.472
360.02		27.473
360.05		27.474
360.14	23.946	27.479
360.24		27.485
360.34		27.49
360.44		27.496
360.54		27.502
360.64		27.507
360.74		27.513
360.84		27.518

360.94	23.947	27.524
361.		27.527
361.01		27.528
361.02		
361.05		27.53
361.14		27.535
361.24		27.541
361.34		27.546
361.44		27.552
361.54		27.558
361.64		27.563
361.74		27.569
361.84		27.575
361.94		27.58
362.	23.948	27.584
362.01		
362.02		27.585
362.05		27.586
362.14		27.591
362.24		27.597
362.34		27.603
362.44		27.608
362.54		27.614
362.64		27.62
362.74		27.626
362.84		27.631
362.94		27.637
363.		27.64
363.01		27.641
363.02		
363.05		27.643
363.14	23.949	27.648
363.24		27.654
363.34		27.66
363.44		27.665
363.54		27.671
363.64		27.677
363.74		27.683
363.84		27.688
363.94		27.694
364.		27.698
364.01		
364.02		27.699
364.05		27.7
364.14	23.95	27.706
364.24		27.711
364.34		27.717
364.44		27.723

364.54		27.729
364.64		27.734
364.74		27.74
364.84		27.746
364.94		27.752
365.		27.755
365.01		27.756
365.02		
365.05		27.758
365.14		27.763
365.24		27.769
365.34		27.775
365.44		27.781
365.54		27.787
365.64		27.792
365.74		27.798
365.84	23.951	27.804
365.94		27.81
366.		27.813
366.01		27.814
366.02		27.815
366.05		27.816
366.14		27.822
366.24		27.827
366.34		27.833
366.44		27.839
366.54		27.845
366.64		27.851
366.74		27.857
366.84	23.952	27.863
366.94		27.868
367.		27.872
367.01		27.873
367.02		
367.05		27.875
367.14		27.88
367.24		27.886
367.34		27.892
367.44		27.898
367.54		27.904
367.64		27.91
367.74	23.953	27.916
367.84		27.922
367.94		27.927
368.		27.931
368.01		27.932
368.02		
368.05		27.934

368.14		27.939
368.24	23.954	27.945
368.34		27.951
368.44		27.957
368.54		27.963
368.64		27.969
368.74		27.975
368.84		27.981
368.94		27.987
369.		27.991
369.01		
369.02		27.992
369.05		27.994
369.14		27.999
369.24	23.955	28.005
369.34		28.011
369.44		28.017
369.54		28.023
369.64		28.029
369.74		28.035
369.84		28.041
369.94		28.047
370.		28.05
370.01		28.051
370.02		28.052
370.05		28.054
370.14		28.059
370.24	23.956	28.065
370.34		28.071
370.44		28.077
370.54		28.083
370.64		28.089
370.74		28.095
370.84		28.101
370.94		28.107
371.		28.111
371.01		28.112
371.02		
371.05		28.114
371.14		28.12
371.24	23.957	28.126
371.34		28.132
371.44		28.138
371.54		28.144
371.64		28.15
371.74		28.156
371.84		28.162
371.94		28.168

372.		28.172
372.01		28.173
372.02		
372.05		28.175
372.14		28.181
372.24	23.958	28.187
372.34		28.193
372.44		28.199
372.54		28.205
372.64		28.211
372.74		28.218
372.84		28.224
372.94		28.23
373.		28.234
373.01		
373.02		28.235
373.05		28.237
373.14	23.959	28.242
373.24		28.248
373.34		28.255
373.44		28.261
373.54		28.267
373.64		28.273
373.74		28.279
373.84		28.286
373.94		28.292
374.		28.296
374.01		
374.02		28.297
374.05		28.299
374.14	23.96	28.304
374.24		28.311
374.34		28.317
374.44		28.323
374.54		28.329
374.64		28.336
374.74		28.342
374.84		28.348
374.94		28.354
375.		28.358
375.01		28.359
375.02		
375.05	23.961	28.361
375.14		28.367
375.24		28.373
375.34		28.38
375.44		28.386
375.54		28.392

375.64		28.398
375.74		28.405
375.84		28.411
375.94		28.417
376.	23.962	28.421
376.01		28.422
376.02		
376.05		28.424
376.14		28.43
376.24		28.436
376.34		28.443
376.44		28.449
376.54		28.455
376.64		28.462
376.74		28.468
376.84		28.474
376.94	23.963	28.481
377.		28.485
377.01		
377.02		28.486
377.05		28.488
377.14		28.494
377.24		28.5
377.34		28.506
377.44		28.513
377.54		28.519
377.64		28.525
377.74		28.532
377.84	23.964	28.538
377.94		28.545
378.		28.549
378.01		
378.02		28.55
378.05		28.552
378.14		28.558
378.24		28.564
378.34		28.57
378.44		28.577
378.54		28.583
378.64		28.59
378.74		28.596
378.84	23.965	28.603
378.94		28.609
379.		28.613
379.01		28.614
379.02		
379.05		28.616
379.14		28.622

379.24		28.629
379.34		28.635
379.44		28.641
379.54		28.648
379.64		28.654
379.74	23.966	28.661
379.84		28.667
379.94		28.674
380.		28.678
380.01		28.679
380.02		
380.05		28.681
380.14		28.687
380.24		28.694
380.34		28.7
380.44		28.707
380.54		28.713
380.64	23.967	28.72
380.74		28.726
380.84		28.733
380.94		28.739
381.		28.743
381.01		28.744
381.02		28.745
381.05		28.747
381.14		28.753
381.24		28.759
381.34		28.766
381.44		28.772
381.54	23.968	28.779
381.64		28.785
381.74		28.792
381.84		28.799
381.94		28.805
382.		28.809
382.01		28.81
382.02		28.811
382.05		28.813
382.14		28.819
382.24		28.825
382.34	23.969	28.832
382.44		28.838
382.54		28.845
382.64		28.852
382.74		28.858
382.84		28.865
382.94		28.872
383.		28.876

383.01		
383.02		28.877
383.05		28.879
383.14		28.885
383.24	23.97	28.892
383.34		28.898
383.44		28.905
383.54		28.912
383.64		28.918
383.74		28.925
383.84		28.932
383.94		28.939
384.		28.943
384.01		
384.02		28.944
384.05		28.946
384.14	23.971	28.952
384.24		28.959
384.34		28.965
384.44		28.972
384.54		28.979
384.64		28.986
384.74		28.992
384.84		28.999
384.94		29.006
385.	23.972	29.01
385.01		29.011
385.02		
385.05		29.013
385.14		29.02
385.24		29.026
385.34		29.033
385.44		29.04
385.54		29.047
385.64		29.053
385.74		29.06
385.84	23.973	29.067
385.94		29.074
386.		29.078
386.01		29.079
386.02		
386.05		29.081
386.14		29.088
386.24		29.094
386.34		29.101
386.44		29.108
386.54		29.115
386.64		29.122

386.74	23.974	29.129
386.84		29.135
386.94		29.142
387.		29.146
387.01		29.147
387.02		29.148
387.05		29.15
387.14		29.156
387.24		29.163
387.34		29.17
387.44		29.177
387.54	23.975	29.184
387.64		29.191
387.74		29.197
387.84		29.204
387.94		29.211
388.		29.215
388.01		29.216
388.02		29.217
388.05		29.219
388.14		29.225
388.24		29.232
388.34		29.239
388.44	23.976	29.246
388.54		29.253
388.64		29.26
388.74		29.267
388.84		29.274
388.94		29.281
389.		29.285
389.01		29.286
389.02		
389.05		29.288
389.14		29.295
389.24	23.977	29.302
389.34		29.309
389.44		29.316
389.54		29.323
389.64		29.33
389.74		29.337
389.84		29.344
389.94		29.351
390.		29.355
390.01		29.356
390.02	23.978	
390.05		29.358
390.14		29.365
390.24		29.372

390.34		29.379
390.44		29.386
390.54		29.393
390.64		29.4
390.74		29.407
390.84	23.979	29.414
390.94		29.421
391.		29.425
391.01		29.426
391.02		29.427
391.05		29.429
391.14		29.435
391.24		29.442
391.34		29.45
391.44		29.457
391.54		29.464
391.64		29.471
391.74	23.98	29.478
391.84		29.485
391.94		29.492
392.		29.496
392.01		29.497
392.02		29.498
392.05		29.5
392.14		29.506
392.24		29.514
392.34		29.521
392.44		29.528
392.54	23.981	29.535
392.64		29.542
392.74		29.549
392.84		29.557
392.94		29.564
393.		29.568
393.01		29.569
393.02		
393.05		29.572
393.14		29.578
393.24		29.585
393.34	23.982	29.592
393.44		29.6
393.54		29.607
393.64		29.614
393.74		29.621
393.84		29.628
393.94		29.636
394.		29.64
394.01		29.641

394.02		29.642
394.05		29.644
394.14	23.983	29.65
394.24		29.657
394.34		29.665
394.44		29.672
394.54		29.679
394.64		29.686
394.74		29.694
394.84		29.701
394.94	23.984	29.708
395.		29.713
395.01		
395.02		29.714
395.05		29.716
395.14		29.723
395.24		29.73
395.34		29.737
395.44		29.745
395.54		29.752
395.64		29.759
395.74	23.985	29.767
395.84		29.774
395.94		29.781
396.		29.786
396.01		
396.02		29.787
396.05		29.789
396.14		29.796
396.24		29.803
396.34		29.811
396.44	23.986	29.818
396.54		29.825
396.64		29.833
396.74		29.84
396.84		29.848
396.94		29.855
397.		29.859
397.01		29.86
397.02		29.861
397.05		29.863
397.14		29.87
397.24	23.987	29.877
397.34		29.885
397.44		29.892
397.54		29.899
397.64		29.907
397.74		29.914

397.84		29.922
397.94		29.929
398.	23.988	29.934
398.01		
398.02		29.935
398.05		29.937
398.14		29.944
398.24		29.952
398.34		29.959
398.44		29.967
398.54		29.974
398.64		29.982
398.74		29.989
398.84	23.989	29.997
398.94		30.004
399.		30.009
399.01		
399.02		30.01
399.05		30.012
399.14		30.019
399.24		30.027
399.34		30.034
399.44		30.042
399.54	23.99	30.049
399.64		30.057
399.74		30.064
399.84		30.072
399.94		30.079
400.		30.084
400.01		30.085
400.02		
400.05		30.088
400.14		30.095
400.24		30.102
400.34	23.991	30.11
400.44		30.117
400.54		30.125
400.64		30.132
400.74		30.14
400.84		30.148
400.94		30.155
401.		30.16
401.01		30.161
401.02		
401.05	23.992	30.164
401.14		30.171
401.24		30.178
401.34		30.186

401.44		30.193
401.54		30.201
401.64		30.209
401.74		30.216
401.84	23.993	30.224
401.94		30.232
402.		30.236
402.01		30.237
402.02		30.238
402.05		30.24
402.14		30.247
402.24		30.255
402.34		30.262
402.44		30.27
402.54	23.994	30.278
402.64		30.286
402.74		30.293
402.84		30.301
402.94		30.309
403.		30.313
403.01		30.314
403.02		30.315
403.05		30.317
403.14		30.324
403.24		30.332
403.34	23.995	30.34
403.44		30.347
403.54		30.355
403.64		30.363
403.74		30.371
403.84		30.378
403.94		30.386
404.	23.996	30.391
404.01		30.392
404.02		
404.05		30.395
404.14		30.402
404.24		30.41
404.34		30.417
404.44		30.425
404.54		30.433
404.64		30.441
404.74	23.997	30.449
404.84		30.456
404.94		30.464
405.		30.469
405.01		30.47
405.02		

405.05		30.473
405.14		30.48
405.24		30.488
405.34		30.496
405.44		30.503
405.54	23.998	30.511
405.64		30.519
405.74		30.527
405.84		30.535
405.94		30.543
406.		30.548
406.01		
406.02		30.549
406.05		30.551
406.14		30.559
406.24	23.999	30.566
406.34		30.574
406.44		30.582
406.54		30.59
406.64		30.598
406.74		30.606
406.84		30.614
406.94	24.	30.622
407.		30.627
407.01		
407.02		30.628
407.05		30.631
407.14		30.638
407.24		30.646
407.34		30.654
407.44		30.662
407.54		30.67
407.64	24.001	30.678
407.74		30.686
407.84		30.694
407.94		30.702
408.		30.706
408.01		30.707
408.02		30.708
408.05		30.71
408.14		30.718
408.24		30.726
408.34	24.002	30.734
408.44		30.742
408.54		30.75
408.64		30.758
408.74		30.766
408.84		30.774

408.94		30.782
409.		30.787
409.01		
409.02	24.003	30.788
409.05		30.791
409.14		30.798
409.24		30.806
409.34		30.814
409.44		30.822
409.54		30.83
409.64		30.838
409.74	24.004	30.846
409.84		30.854
409.94		30.863
410.		30.867
410.01		30.868
410.02		30.869
410.05		30.872
410.14		30.879
410.24		30.887
410.34		30.895
410.44	24.005	30.903
410.54		30.911
410.64		30.919
410.74		30.928
410.84		30.936
410.94		30.944
411.		30.949
411.01		30.95
411.02		
411.05		30.953
411.14	24.006	30.96
411.24		30.968
411.34		30.977
411.44		30.985
411.54		30.993
411.64		31.001
411.74		31.009
411.84	24.007	31.018
411.94		31.026
412.		31.031
412.01		31.032
412.02		
412.05		31.035
412.14		31.042
412.24		31.05
412.34		31.059
412.44		31.067

412.54	24.008	31.075
412.64		31.083
412.74		31.091
412.84		31.1
412.94		31.108
413.		31.113
413.01		
413.02		31.114
413.05		31.117
413.14		31.124
413.24	24.009	31.132
413.34		31.14
413.44		31.149
413.54		31.157
413.64		31.165
413.74		31.173
413.84		31.181
413.94	24.01	31.19
414.		31.194
414.01		31.195
414.02		31.196
414.05		31.199
414.14		31.206
414.24		31.214
414.34		31.222
414.44		31.23
414.54	24.011	31.238
414.64		31.247
414.74		31.255
414.84		31.263
414.94		31.271
415.		31.276
415.01		31.277
415.02		31.278
415.05		31.28
415.14		31.287
415.24	24.012	31.296
415.34		31.304
415.44		31.312
415.54		31.32
415.64		31.328
415.74		31.336
415.84		31.344
415.94	24.013	31.352
416.		31.357
416.01		31.358
416.02		31.359
416.05		31.361

416.14		31.369
416.24		31.377
416.34		31.385
416.44		31.393
416.54		31.401
416.64	24.014	31.409
416.74		31.417
416.84		31.425
416.94		31.434
417.		31.438
417.01		31.439
417.02		31.44
417.05		31.442
417.14		31.45
417.24		31.458
417.34	24.015	31.466
417.44		31.474
417.54		31.482
417.64		31.49
417.74		31.498
417.84		31.506
417.94	24.016	31.514
418.		31.519
418.01		31.52
418.02		31.521
418.05		31.523
418.14		31.531
418.24		31.539
418.34		31.547
418.44		31.555
418.54		31.563
418.64	24.017	31.571
418.74		31.579
418.84		31.587
418.94		31.595
419.		31.6
419.01		31.601
419.02		31.602
419.05		31.604
419.14		31.611
419.24		31.619
419.34	24.018	31.627
419.44		31.635
419.54		31.643
419.64		31.652
419.74		31.66
419.84		31.668
419.94		31.676

420.	24.019	31.68
420.01		31.681
420.02		31.682
420.05		31.684
420.14		31.692
420.24		31.7
420.34		31.708
420.44		31.716
420.54		31.724
420.64	24.02	31.732
420.74		31.74
420.84		31.748
420.94		31.756
421.		31.761
421.01		31.762
421.02		
421.05		31.765
421.14		31.772
421.24		31.78
421.34	24.021	31.788
421.44		31.796
421.54		31.804
421.64		31.812
421.74		31.82
421.84		31.828
421.94		31.836
422.	24.022	31.841
422.01		31.842
422.02		
422.05		31.845
422.14		31.852
422.24		31.86
422.34		31.868
422.44		31.876
422.54		31.884
422.64	24.023	31.892
422.74		31.9
422.84		31.908
422.94		31.916
423.		31.921
423.01		
423.02		31.922
423.05		31.925
423.14		31.932
423.24		31.94
423.34	24.024	31.948
423.44		31.956
423.54		31.964

423.64		31.972
423.74		31.98
423.84		31.988
423.94		31.995
424.	24.025	32.
424.01		32.001
424.02		32.002
424.05		32.004
424.14		32.011
424.24		32.019
424.34		32.027
424.44		32.035
424.54		32.043
424.64	24.026	32.051
424.74		32.059
424.84		32.067
424.94		32.075
425.		32.08
425.01		
425.02		32.081
425.05		32.084
425.14		32.091
425.24		32.099
425.34	24.027	32.107
425.44		32.115
425.54		32.122
425.64		32.13
425.74		32.138
425.84		32.146
425.94		32.154
426.	24.028	32.159
426.01		32.16
426.02		
426.05		32.163
426.14		32.17
426.24		32.178
426.34		32.186
426.44		32.194
426.54		32.202
426.64	24.029	32.21
426.74		32.217
426.84		32.225
426.94		32.233
427.		32.238
427.01		32.239
427.02		32.24
427.05		32.242
427.14		32.249

427.24		32.257
427.34	24.03	32.265
427.44		32.273
427.54		32.281
427.64		32.289
427.74		32.297
427.84		32.304
427.94		32.312
428.	24.031	32.317
428.01		32.318
428.02		32.319
428.05		32.321
428.14		32.328
428.24		32.336
428.34		32.344
428.44		32.352
428.54		32.36
428.64	24.032	32.367
428.74		32.375
428.84		32.383
428.94		32.391
429.		32.396
429.01		32.397
429.02		
429.05		32.4
429.14		32.407
429.24		32.415
429.34	24.033	32.423
429.44		32.43
429.54		32.438
429.64		32.446
429.74		32.454
429.84		32.462
429.94		32.47
430.	24.034	32.474
430.01		32.475
430.02		32.476
430.05		32.478
430.14		32.485
430.24		32.493
430.34		32.501
430.44		32.509
430.54		32.517
430.64	24.035	32.524
430.74		32.532
430.84		32.54
430.94		32.548
431.		32.553

431.01		
431.02		32.554
431.05		32.557
431.14		32.564
431.24		32.571
431.34	24.036	32.579
431.44		32.587
431.54		32.595
431.64		32.603
431.74		32.61
431.84		32.618
431.94	24.037	32.626
432.		32.631
432.01		32.632
432.02		
432.05		32.635
432.14		32.642
432.24		32.649
432.34		32.657
432.44		32.665
432.54		32.673
432.64	24.038	32.681
432.74		32.688
432.84		32.696
432.94		32.704
433.		32.709
433.01		
433.02		32.71
433.05		32.713
433.14		32.72
433.24		32.727
433.34	24.039	32.735
433.44		32.743
433.54		32.751
433.64		32.758
433.74		32.766
433.84		32.774
433.94	24.04	32.782
434.		32.786
434.01		32.787
434.02		32.788
434.05		32.79
434.14		32.797
434.24		32.805
434.34		32.813
434.44		32.82
434.54		32.828
434.64	24.041	32.836

434.74		32.844
434.84		32.851
434.94		32.859
435.		32.864
435.01		32.865
435.02		
435.05		32.868
435.14		32.875
435.24	24.042	32.882
435.34		32.89
435.44		32.898
435.54		32.906
435.64		32.913
435.74		32.921
435.84		32.929
435.94	24.043	32.937
436.		32.941
436.01		32.942
436.02		32.943
436.05		32.945
436.14		32.952
436.24		32.96
436.34		32.967
436.44		32.975
436.54	24.044	32.983
436.64		32.99
436.74		32.998
436.84		33.006
436.94		33.014
437.		33.018
437.01		33.019
437.02		33.02
437.05		33.022
437.14		33.029
437.24	24.045	33.037
437.34		33.044
437.44		33.052
437.54		33.06
437.64		33.067
437.74		33.075
437.84	24.046	33.083
437.94		33.09
438.		33.095
438.01		33.096
438.02		33.097
438.05		33.099
438.14		33.106
438.24		33.113

438.34		33.121
438.44		33.129
438.54	24.047	33.136
438.64		33.144
438.74		33.152
438.84		33.159
438.94		33.167
439.		33.172
439.01		
439.02		33.173
439.05		33.176
439.14	24.048	33.182
439.24		33.19
439.34		33.198
439.44		33.205
439.54		33.213
439.64		33.221
439.74		33.228
439.84	24.049	33.236
439.94		33.244
440.		33.248
440.01		33.249
440.02		33.25
440.05		33.252
440.14		33.259
440.24		33.266
440.34		33.274
440.44	24.05	33.282
440.54		33.289
440.64		33.297
440.74		33.305
440.84		33.312
440.94		33.32
441.		33.324
441.01		33.325
441.02		33.326
441.05		33.328
441.14	24.051	33.335
441.24		33.343
441.34		33.35
441.44		33.358
441.54		33.365
441.64		33.373
441.74	24.052	33.381
441.84		33.388
441.94		33.396
442.		33.4
442.01		33.401

442.02		33.402
442.05		33.404
442.14		33.411
442.24		33.419
442.34		33.426
442.44	24.053	33.434
442.54		33.441
442.64		33.449
442.74		33.457
442.84		33.464
442.94		33.472
443.		33.476
443.01		33.477
443.02		33.478
443.05	24.054	33.48
443.14		33.487
443.24		33.494
443.34		33.502
443.44		33.51
443.54		33.517
443.64		33.525
443.74	24.055	33.532
443.84		33.54
443.94		33.547
444.		33.552
444.01		33.553
444.02		
444.05		33.556
444.14		33.562
444.24		33.57
444.34	24.056	33.577
444.44		33.585
444.54		33.593
444.64		33.6
444.74		33.608
444.84		33.615
444.94		33.623
445.	24.057	33.627
445.01		33.628
445.02		33.629
445.05		33.631
445.14		33.638
445.24		33.645
445.34		33.653
445.44		33.66
445.54		33.668
445.64	24.058	33.675
445.74		33.683

445.84		33.69
445.94		33.698
446.		33.702
446.01		33.703
446.02		33.704
446.05		33.706
446.14		33.713
446.24		33.72
446.34	24.059	33.728
446.44		33.735
446.54		33.743
446.64		33.75
446.74		33.758
446.84		33.765
446.94	24.06	33.773
447.		33.777
447.01		33.778
447.02		33.779
447.05		33.781
447.14		33.788
447.24		33.795
447.34		33.803
447.44		33.81
447.54		33.818
447.64	24.061	33.825
447.74		33.833
447.84		33.84
447.94		33.848
448.		33.852
448.01		33.853
448.02		33.854
448.05		33.856
448.14		33.862
448.24	24.062	33.87
448.34		33.877
448.44		33.885
448.54		33.892
448.64		33.9
448.74		33.907
448.84		33.915
448.94	24.063	33.922
449.		33.927
449.01		
449.02		33.928
449.05		33.93
449.14		33.937
449.24		33.944
449.34		33.952

449.44		33.959
449.54	24.064	33.967
449.64		33.974
449.74		33.982
449.84		33.989
449.94		33.996
450.		34.001
450.01		34.002
450.02		
450.05		34.005
450.14	24.065	34.011
450.24		34.019
450.34		34.026
450.44		34.033
450.54		34.041
450.64		34.048
450.74		34.056
450.84	24.066	34.063
450.94		34.07
451.		34.075
451.01		34.076
451.02		
451.05		34.079
451.14		34.085
451.24		34.093
451.34		34.1
451.44	24.067	34.107
451.54		34.115
451.64		34.122
451.74		34.13
451.84		34.137
451.94		34.144
452.		34.149
452.01		34.15
452.02		
452.05		34.152
452.14	24.068	34.159
452.24		34.167
452.34		34.174
452.44		34.181
452.54		34.189
452.64		34.196
452.74	24.069	34.203
452.84		34.211
452.94		34.218
453.		34.222
453.01		34.223
453.02		34.224

453.05		34.226
453.14		34.233
453.24		34.24
453.34	24.07	34.247
453.44		34.255
453.54		34.262
453.64		34.27
453.74		34.277
453.84		34.284
453.94		34.292
454.	24.071	34.296
454.01		34.297
454.02		
454.05		34.3
454.14		34.306
454.24		34.314
454.34		34.321
454.44		34.328
454.54		34.336
454.64	24.072	34.343
454.74		34.35
454.84		34.358
454.94		34.365
455.		34.369
455.01		34.37
455.02		34.371
455.05		34.373
455.14		34.38
455.24		34.387
455.34	24.073	34.394
455.44		34.402
455.54		34.409
455.64		34.416
455.74		34.424
455.84		34.431
455.94	24.074	34.438
456.		34.443
456.01		
456.02		34.444
456.05		34.446
456.14		34.453
456.24		34.46
456.34		34.468
456.44		34.475
456.54	24.075	34.482
456.64		34.489
456.74		34.497
456.84		34.504

456.94		34.511
457.		34.516
457.01		
457.02		34.517
457.05		34.519
457.14		34.526
457.24	24.076	34.533
457.34		34.541
457.44		34.548
457.54		34.555
457.64		34.562
457.74		34.57
457.84	24.077	34.577
457.94		34.584
458.		34.589
458.01		
458.02		34.59
458.05		34.592
458.14		34.599
458.24		34.606
458.34		34.613
458.44	24.078	34.621
458.54		34.628
458.64		34.635
458.74		34.642
458.84		34.65
458.94		34.657
459.		34.661
459.01		34.662
459.02		34.663
459.05		34.665
459.14	24.079	34.672
459.24		34.679
459.34		34.686
459.44		34.693
459.54		34.701
459.64		34.708
459.74	24.08	34.715
459.84		34.722
459.94		34.729
460.		34.734
460.01		34.735
460.02		
460.05		34.737
460.14		34.744
460.24		34.751
460.34		34.758
460.44	24.081	34.766

460.54		34.773
460.64		34.78
460.74		34.787
460.84		34.795
460.94		34.802
461.	24.082	34.806
461.01		34.807
461.02		34.808
461.05		34.81
461.14		34.816
461.24		34.823
461.34		34.831
461.44		34.838
461.54		34.845
461.64	24.083	34.852
461.74		34.86
461.84		34.867
461.94		34.874
462.		34.878
462.01		34.879
462.02		34.88
462.05		34.882
462.14		34.888
462.24		34.896
462.34	24.084	34.903
462.44		34.91
462.54		34.917
462.64		34.924
462.74		34.931
462.84		34.939
462.94	24.085	34.946
463.		34.95
463.01		34.951
463.02		34.952
463.05		34.954
463.14		34.96
463.24		34.967
463.34		34.975
463.44		34.982
463.54	24.086	34.989
463.64		34.996
463.74		35.003
463.84		35.01
463.94		35.018
464.		35.022
464.01		35.023
464.02		
464.05		35.025

464.14	24.087	35.032
464.24		35.039
464.34		35.046
464.44		35.053
464.54		35.061
464.64		35.068
464.74		35.075
464.84	24.088	35.082
464.94		35.089
465.		35.093
465.01		35.094
465.02		35.095
465.05		35.097
465.14		35.103
465.24		35.111
465.34		35.118
465.44	24.089	35.125
465.54		35.132
465.64		35.139
465.74		35.146
465.84		35.153
465.94		35.16
466.		35.165
466.01		
466.02		35.166
466.05	24.09	35.168
466.14		35.175
466.24		35.182
466.34		35.189
466.44		35.196
466.54		35.203
466.64		35.21
466.74	24.091	35.217
466.84		35.224
466.94		35.232
467.		35.236
467.01		35.237
467.02		
467.05		35.239
467.14		35.246
467.24		35.253
467.34	24.092	35.26
467.44		35.267
467.54		35.274
467.64		35.281
467.74		35.288
467.84		35.295
467.94	24.093	35.303

468.		35.307
468.01		
468.02		35.308
468.05		35.31
468.14		35.317
468.24		35.324
468.34		35.331
468.44		35.338
468.54		35.345
468.64	24.094	35.352
468.74		35.359
468.84		35.366
468.94		35.373
469.		35.378
469.01		
469.02		35.379
469.05		35.381
469.14		35.387
469.24	24.095	35.394
469.34		35.402
469.44		35.409
469.54		35.416
469.64		35.423
469.74		35.43
469.84	24.096	35.437
469.94		35.444
470.		35.448
470.01		35.449
470.02		35.45
470.05		35.452
470.14		35.458
470.24		35.465
470.34		35.472
470.44	24.097	35.479
470.54		35.486
470.64		35.493
470.74		35.5
470.84		35.507
470.94		35.514
471.		35.518
471.01		35.519
471.02		35.52
471.05		35.522
471.14	24.098	35.528
471.24		35.535
471.34		35.542
471.44		35.549
471.54		35.556

471.64		35.563
471.74	24.099	35.57
471.84		35.577
471.94		35.584
472.		35.589
472.01		
472.02		35.59
472.05		35.592
472.14		35.598
472.24		35.605
472.34	24.1	35.612
472.44		35.619
472.54		35.626
472.64		35.633
472.74		35.64
472.84		35.647
472.94	24.101	35.654
473.		35.659
473.01		
473.02		35.66
473.05		35.662
473.14		35.668
473.24		35.675
473.34		35.682
473.44		35.689
473.54		35.696
473.64	24.102	35.703
473.74		35.71
473.84		35.717
473.94		35.724
474.		35.728
474.01		35.729
474.02		35.73
474.05		35.732
474.14		35.738
474.24	24.103	35.745
474.34		35.752
474.44		35.759
474.54		35.766
474.64		35.773
474.74		35.78
474.84	24.104	35.787
474.94		35.794
475.		35.798
475.01		35.799
475.02		35.8
475.05		35.802
475.14		35.808

475.24		35.815
475.34		35.822
475.44	24.105	35.829
475.54		35.836
475.64		35.843
475.74		35.85
475.84		35.856
475.94		35.863
476.		35.868
476.01		
476.02		35.869
476.05	24.106	35.871
476.14		35.877
476.24		35.884
476.34		35.891
476.44		35.898
476.54		35.905
476.64		35.912
476.74	24.107	35.919
476.84		35.926
476.94		35.933
477.		35.937
477.01		35.938
477.02		
477.05		35.94
477.14		35.947
477.24		35.953
477.34	24.108	35.96
477.44		35.967
477.54		35.974
477.64		35.981
477.74		35.988
477.84		35.995
477.94	24.109	36.002
478.		36.006
478.01		36.007
478.02		
478.05		36.009
478.14		36.016
478.24		36.023
478.34		36.029
478.44		36.036
478.54	24.11	36.043
478.64		36.05
478.74		36.057
478.84		36.064
478.94		36.071
479.		36.075

479.01		36.076
479.02		
479.05		36.078
479.14		36.085
479.24	24.111	36.091
479.34		36.098
479.44		36.105
479.54		36.112
479.64		36.119
479.74		36.126
479.84	24.112	36.133
479.94		36.14
480.		36.144
480.01		
480.02		36.145
480.05		36.147
480.14		36.153
480.24		36.16
480.34		36.167
480.44	24.113	36.174
480.54		36.181
480.64		36.188
480.74		36.194
480.84		36.201
480.94		36.208
481.		36.212
481.01	24.114	36.213
481.02		36.214
481.05		36.216
481.14		36.222
481.24		36.229
481.34		36.235
481.44		36.242
481.54		36.249
481.64	24.115	36.256
481.74		36.263
481.84		36.27
481.94		36.277
482.		36.281
482.01		
482.02		36.282
482.05		36.284
482.14		36.29
482.24	24.116	36.297
482.34		36.304
482.44		36.311
482.54		36.317
482.64		36.324

482.74		36.331
482.84		36.338
482.94	24.117	36.345
483.		36.349
483.01		36.35
483.02		
483.05		36.352
483.14		36.358
483.24		36.365
483.34		36.372
483.44		36.379
483.54	24.118	36.386
483.64		36.392
483.74		36.399
483.84		36.406
483.94		36.413
484.		36.417
484.01		36.418
484.02		
484.05		36.42
484.14	24.119	36.426
484.24		36.433
484.34		36.44
484.44		36.447
484.54		36.454
484.64		36.46
484.74	24.12	36.467
484.84		36.474
484.94		36.481
485.		36.485
485.01		36.486
485.02		
485.05		36.488
485.14		36.494
485.24		36.501
485.34	24.121	36.508
485.44		36.515
485.54		36.522
485.64		36.528
485.74		36.535
485.84		36.542
485.94	24.122	36.549
486.		36.553
486.01		36.554
486.02		
486.05		36.556
486.14		36.562
486.24		36.569

486.34		36.576
486.44		36.583
486.54		36.589
486.64	24.123	36.596
486.74		36.603
486.84		36.61
486.94		36.617
487.		36.621
487.01		
487.02		36.622
487.05		36.624
487.14		36.63
487.24	24.124	36.637
487.34		36.644
487.44		36.65
487.54		36.657
487.64		36.664
487.74		36.671
487.84	24.125	36.677
487.94		36.684
488.		36.688
488.01		36.689
488.02		36.69
488.05		36.692
488.14		36.698
488.24		36.704
488.34		36.711
488.44	24.126	36.718
488.54		36.725
488.64		36.731
488.74		36.738
488.84		36.745
488.94		36.752
489.	24.127	36.756
489.01		
489.02		36.757
489.05		36.759
489.14		36.765
489.24		36.772
489.34		36.779
489.44		36.785
489.54		36.792
489.64	24.128	36.799
489.74		36.805
489.84		36.812
489.94		36.819
490.		36.823
490.01		36.824

490.02		
490.05		36.826
490.14		36.832
490.24	24.129	36.839
490.34		36.846
490.44		36.852
490.54		36.859
490.64		36.866
490.74		36.873
490.84	24.13	36.879
490.94		36.886
491.		36.89
491.01		36.891
491.02		
491.05		36.893
491.14		36.899
491.24		36.906
491.34		36.913
491.44		36.919
491.54	24.131	36.926
491.64		36.933
491.74		36.939
491.84		36.946
491.94		36.953
492.		36.957
492.01		
492.02		36.958
492.05		36.96
492.14	24.132	36.966
492.24		36.973
492.34		36.979
492.44		36.986
492.54		36.993
492.64		37.
492.74	24.133	37.006
492.84		37.013
492.94		37.02
493.		37.023
493.01		37.024
493.02		37.025
493.05		37.027
493.14		37.033
493.24		37.039
493.34	24.134	37.046
493.44		37.053
493.54		37.059
493.64		37.066
493.74		37.073

493.84		37.079
493.94	24.135	37.086
494.		37.09
494.01		37.091
494.02		
494.05		37.093
494.14		37.099
494.24		37.106
494.34		37.113
494.44		37.119
494.54	24.136	37.126
494.64		37.132
494.74		37.139
494.84		37.146
494.94		37.152
495.		37.156
495.01		37.157
495.02		37.158
495.05		37.16
495.14	24.137	37.166
495.24		37.172
495.34		37.179
495.44		37.185
495.54		37.192
495.64		37.199
495.74	24.138	37.205
495.84		37.212
495.94		37.219
496.		37.223
496.01		
496.02		37.224
496.05		37.226
496.14		37.232
496.24		37.238
496.34	24.139	37.245
496.44		37.252
496.54		37.258
496.64		37.265
496.74		37.271
496.84		37.278
496.94	24.14	37.285
497.		37.288
497.01		37.289
497.02		37.29
497.05		37.292
497.14		37.298
497.24		37.304
497.34		37.311

497.44		37.317
497.54	24.141	37.324
497.64		37.331
497.74		37.337
497.84		37.344
497.94		37.35
498.		37.354
498.01		37.355
498.02		37.356
498.05		37.358
498.14	24.142	37.363
498.24		37.37
498.34		37.377
498.44		37.383
498.54		37.39
498.64		37.396
498.74	24.143	37.403
498.84		37.409
498.94		37.416
499.		37.42
499.01		37.421
499.02		
499.05		37.423
499.14		37.429
499.24		37.436
499.34	24.144	37.442
499.44		37.449
499.54		37.455
499.64		37.462
499.74		37.468
499.84		37.475
499.94	24.145	37.481
500.		37.485
500.01		37.486
500.02		37.487
500.05		37.489
500.14		37.495
500.24		37.501
500.34		37.508
500.44		37.514
500.54		37.521
500.64	24.146	37.527
500.74		37.534
500.84		37.54
500.94		37.547
501.		37.551
501.01		
501.02		37.552

501.05		37.554
501.14		37.56
501.24	24.147	37.566
501.34		37.573
501.44		37.579
501.54		37.586
501.64		37.592
501.74		37.599
501.84	24.148	37.605
501.94		37.612
502.		37.616
502.01		
502.02		37.617
502.05		37.619
502.14		37.625
502.24		37.631
502.34		37.638
502.44	24.149	37.644
502.54		37.651
502.64		37.657
502.74		37.664
502.84		37.67
502.94		37.677
503.	24.15	37.681
503.01		
503.02		37.682
503.05		37.684
503.14		37.69
503.24		37.696
503.34		37.703
503.44		37.709
503.54		37.716
503.64	24.151	37.722
503.74		37.729
503.84		37.735
503.94		37.742
504.		37.745
504.01		37.746
504.02		37.747
504.05		37.749
504.14		37.754
504.24	24.152	37.761
504.34		37.767
504.44		37.774
504.54		37.78
504.64		37.787
504.74		37.793
504.84	24.153	37.8

504.94		37.806
505.		37.81
505.01		37.811
505.02		
505.05		37.813
505.14		37.819
505.24		37.825
505.34		37.832
505.44	24.154	37.838
505.54		37.845
505.64		37.851
505.74		37.858
505.84		37.864
505.94		37.871
506.	24.155	37.874
506.01		37.875
506.02		37.876
506.05		37.878
506.14		37.883
506.24		37.89
506.34		37.896
506.44		37.903
506.54		37.909
506.64	24.156	37.915
506.74		37.922
506.84		37.928
506.94		37.935
507.		37.939
507.01		
507.02		37.94
507.05		37.942
507.14		37.948
507.24	24.157	37.954
507.34		37.96
507.44		37.967
507.54		37.973
507.64		37.98
507.74		37.986
507.84	24.158	37.992
507.94		37.999
508.		38.003
508.01		
508.02		38.004
508.05		38.006
508.14		38.012
508.24		38.018
508.34		38.024
508.44	24.159	38.031

508.54		38.037
508.64		38.044
508.74		38.05
508.84		38.056
508.94		38.063
509.	24.16	38.067
509.01		
509.02		38.068
509.05		38.07
509.14		38.075
509.24		38.082
509.34		38.088
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509.54		38.101
509.64	24.161	38.107
509.74		38.114
509.84		38.12
509.94		38.126
510.		38.13
510.01		38.131
510.02		38.132
510.05		38.133
510.14	24.162	38.139
510.24		38.146
510.34		38.152
510.44		38.158
510.54		38.165
510.64		38.171
510.74	24.163	38.177
510.84		38.184
510.94		38.19
511.		38.194
511.01		
511.02		38.195
511.05		38.197
511.14		38.203
511.24		38.209
511.34	24.164	38.215
511.44		38.222
511.54		38.228
511.64		38.234
511.74		38.241
511.84		38.247
511.94	24.165	38.253
512.		38.257
512.01		38.258
512.02		
512.05		38.26

512.14		38.266
512.24		38.272
512.34		38.279
512.44		38.285
512.54		38.291
512.64		38.298
512.74		38.304
512.84		38.31
512.94	24.166	38.317
513.		38.32
513.01		38.321
513.02		38.322
513.05		38.324
513.14		38.329
513.24		38.336
513.34	24.167	38.342
513.44		38.348
513.54		38.355
513.64		38.361
513.74		38.367
513.84		38.373
513.94		38.38
514.		38.384
514.01	24.168	
514.02		38.385
514.05		38.387
514.14		38.392
514.24		38.399
514.34		38.405
514.44		38.411
514.54	24.169	38.418
514.64		38.424
514.74		38.43
514.84		38.436
514.94		38.443
515.		38.446
515.01		38.447
515.02		38.448
515.05	24.17	38.45
515.14		38.455
515.24		38.461
515.34		38.468
515.44		38.474
515.54		38.48
515.64		38.487
515.74	24.171	38.493
515.84		38.499
515.94		38.505

516.		38.509
516.01		38.51
516.02		
516.05		38.512
516.14	24.172	38.518
516.24		38.524
516.34		38.53
516.44		38.537
516.54		38.543
516.64		38.549
516.74	24.173	38.555
516.84		38.562
516.94		38.568
517.		38.572
517.01		
517.02		38.573
517.05		38.575
517.14		38.58
517.24		38.587
517.34	24.174	38.593
517.44		38.599
517.54		38.605
517.64		38.612
517.74		38.618
517.84		38.624
517.94	24.175	38.63
518.		38.634
518.01		38.635
518.02		
518.05		38.637
518.14		38.643
518.24		38.649
518.34		38.655
518.44	24.176	38.662
518.54		38.668
518.64		38.674
518.74		38.68
518.84		38.687
518.94		38.693
519.		38.697
519.01		
519.02		38.698
519.05	24.177	38.7
519.14		38.705
519.24		38.712
519.34		38.718
519.44		38.724
519.54		38.73

519.64	24.178	38.737
519.74		38.743
519.84		38.749
519.94		38.755
520.		38.759
520.01		38.76
520.02		
520.05		38.762
520.14		38.768
520.24	24.179	38.774
520.34		38.78
520.44		38.786
520.54		38.793
520.64		38.799
520.74		38.805
520.84	24.18	38.811
520.94		38.817
521.		38.821
521.01		38.822
521.02		
521.05		38.824
521.14		38.83
521.24		38.836
521.34		38.842
521.44	24.181	38.848
521.54		38.855
521.64		38.861
521.74		38.867
521.84		38.873
521.94		38.879
522.	24.182	38.883
522.01		38.884
522.02		
522.05		38.886
522.14		38.892
522.24		38.898
522.34		38.904
522.44		38.91
522.54		38.917
522.64	24.183	38.923
522.74		38.929
522.84		38.935
522.94		38.941
523.		38.945
523.01		38.946
523.02		
523.05		38.948
523.14		38.954

523.24	24.184	38.96
523.34		38.966
523.44		38.972
523.54		38.978
523.64		38.984
523.74	24.185	38.991
523.84		38.997
523.94		39.003
524.		39.007
524.01		
524.02		39.008
524.05		39.01
524.14		39.015
524.24		39.021
524.34	24.186	39.028
524.44		39.034
524.54		39.04
524.64		39.046
524.74		39.052
524.84		39.058
524.94	24.187	39.064
525.		39.068
525.01		39.069
525.02		
525.05		39.071
525.14		39.077
525.24		39.083
525.34		39.089
525.44		39.095
525.54	24.188	39.101
525.64		39.107
525.74		39.114
525.84		39.12
525.94		39.126
526.		39.129
526.01		39.13
526.02		39.131
526.05		39.133
526.14	24.189	39.138
526.24		39.144
526.34		39.15
526.44		39.156
526.54		39.163
526.64		39.169
526.74	24.19	39.175
526.84		39.181
526.94		39.187
527.		39.191

527.01		
527.02		39.192
527.05		39.194
527.14		39.199
527.24	24.191	39.205
527.34		39.211
527.44		39.218
527.54		39.224
527.64		39.23
527.74		39.236
527.84	24.192	39.242
527.94		39.248
528.		39.252
528.01		
528.02		39.253
528.05		39.255
528.14		39.26
528.24		39.266
528.34		39.272
528.44	24.193	39.279
528.54		39.285
528.64		39.291
528.74		39.297
528.84		39.303
528.94		39.309
529.	24.194	39.313
529.01		
529.02		39.314
529.05		39.316
529.14		39.321
529.24		39.327
529.34		39.333
529.44		39.339
529.54		39.345
529.64	24.195	39.352
529.74		39.358
529.84		39.364
529.94		39.37
530.		39.373
530.01		39.374
530.02		39.375
530.05		39.376
530.14	24.196	39.382
530.24		39.388
530.34		39.394
530.44		39.4
530.54		39.406
530.64		39.412

530.74	24.197	39.418
530.84		39.424
530.94		39.43
531.		39.434
531.01		39.435
531.02		
531.05		39.437
531.14		39.442
531.24		39.448
531.34	24.198	39.455
531.44		39.461
531.54		39.467
531.64		39.473
531.74		39.479
531.84		39.485
531.94	24.199	39.491
532.		39.494
532.01		39.495
532.02		39.496
532.05		39.497
532.14		39.503
532.24		39.509
532.34		39.515
532.44		39.521
532.54	24.2	39.527
532.64		39.533
532.74		39.539
532.84		39.545
532.94		39.551
533.		39.555
533.01		
533.02		39.556
533.05	24.201	39.558
533.14		39.563
533.24		39.569
533.34		39.575
533.44		39.581
533.54		39.587
533.64	24.202	39.593
533.74		39.599
533.84		39.605
533.94		39.611
534.		39.615
534.01		
534.02		39.616
534.05		39.618
534.14		39.623
534.24	24.203	39.629

534.34		39.635
534.44		39.641
534.54		39.647
534.64		39.653
534.74		39.659
534.84		39.665
534.94		39.671
535.		39.675
535.01		
535.02	24.204	39.676
535.05		39.678
535.14		39.683
535.24		39.689
535.34		39.695
535.44		39.701
535.54		39.707
535.64	24.205	39.713
535.74		39.719
535.84		39.725
535.94		39.731
536.		39.735
536.01		
536.02		39.736
536.05	24.206	39.737
536.14		39.743
536.24		39.749
536.34		39.755
536.44		39.761
536.54		39.767
536.64		39.773
536.74		39.779
536.84		39.785
536.94	24.207	39.791
537.		39.794
537.01		39.795
537.02		
537.05		39.797
537.14		39.803
537.24		39.808
537.34	24.208	39.814
537.44		39.82
537.54		39.826
537.64		39.832
537.74		39.838
537.84		39.844
537.94	24.209	39.85
538.		39.854
538.01		

538.02		39.855
538.05		39.857
538.14		39.862
538.24	24.21	39.868
538.34		39.874
538.44		39.88
538.54		39.886
538.64		39.892
538.74		39.898
538.84	24.211	39.904
538.94		39.909
539.		39.913
539.01		39.914
539.02		
539.05		39.916
539.14		39.921
539.24		39.927
539.34		39.933
539.44	24.212	39.939
539.54		39.945
539.64		39.951
539.74		39.957
539.84		39.963
539.94	24.213	39.969
540.		39.972
540.01		39.973
540.02		
540.05		39.975
540.14		39.98
540.24		39.986
540.34		39.992
540.44		39.998
540.54	24.214	40.004
540.64		40.01
540.74		40.016
540.84		40.022
540.94		40.028
541.		40.031
541.01		40.032
541.02		
541.05		40.034
541.14	24.215	40.039
541.24		40.045
541.34		40.051
541.44		40.057
541.54		40.063
541.64		40.069
541.74	24.216	40.075

541.84		40.081
541.94		40.087
542.		40.09
542.01		40.091
542.02		
542.05		40.093
542.14		40.098
542.24	24.217	40.104
542.34		40.11
542.44		40.116
542.54		40.122
542.64		40.128
542.74		40.134
542.84	24.218	40.139
542.94		40.145
543.		40.149
543.01		
543.02		40.15
543.05		40.152
543.14		40.157
543.24		40.163
543.34		40.169
543.44	24.219	40.175
543.54		40.181
543.64		40.186
543.74		40.192
543.84		40.198
543.94	24.22	40.204
544.		40.207
544.01		40.208
544.02		40.209
544.05		40.21
544.14		40.216
544.24		40.222
544.34		40.227
544.44		40.233
544.54	24.221	40.239
544.64		40.245
544.74		40.251
544.84		40.257
544.94		40.262
545.		40.266
545.01		
545.02		40.267
545.05		40.269
545.14	24.222	40.274
545.24		40.28
545.34		40.286

545.44		40.292
545.54		40.297
545.64	24.223	40.303
545.74		40.309
545.84		40.315
545.94		40.321
546.		40.324
546.01		40.325
546.02		
546.05		40.327
546.14		40.332
546.24	24.224	40.338
546.34		40.344
546.44		40.35
546.54		40.356
546.64		40.361
546.74		40.367
546.84	24.225	40.373
546.94		40.379
547.		40.382
547.01		40.383
547.02		40.384
547.05		40.385
547.14		40.39
547.24		40.396
547.34	24.226	40.402
547.44		40.408
547.54		40.414
547.64		40.419
547.74		40.425
547.84		40.431
547.94	24.227	40.437
548.		40.44
548.01		40.441
548.02		40.442
548.05		40.443
548.14		40.448
548.24		40.454
548.34		40.46
548.44		40.466
548.54	24.228	40.472
548.64		40.477
548.74		40.483
548.84		40.489
548.94		40.495
549.		40.498
549.01		40.499
549.02		

549.05	24.229	40.501
549.14		40.506
549.24		40.512
549.34		40.518
549.44		40.524
549.54		40.529
549.64	24.23	40.535
549.74		40.541
549.84		40.547
549.94		40.552
550.		40.556
550.01		
550.02		40.557
550.05		40.559
550.14		40.564
550.24	24.231	40.57
550.34		40.575
550.44		40.581
550.54		40.587
550.64		40.593
550.74	24.232	40.599
550.84		40.604
550.94		40.61
551.		40.613
551.01		40.614
551.02		40.615
551.05		40.616
551.14		40.622
551.24		40.627
551.34	24.233	40.633
551.44		40.639
551.54		40.644
551.64		40.65
551.74		40.656
551.84		40.662
551.94	24.234	40.667
552.		40.671
552.01		
552.02		40.672
552.05		40.674
552.14		40.679
552.24		40.685
552.34		40.69
552.44	24.235	40.696
552.54		40.702
552.64		40.708
552.74		40.713
552.84		40.719

552.94		40.725
553.	24.236	40.728
553.01		40.729
553.02		
553.05		40.731
553.14		40.736
553.24		40.742
553.34		40.748
553.44		40.753
553.54	24.237	40.759
553.64		40.765
553.74		40.77
553.84		40.776
553.94		40.782
554.		40.785
554.01		40.786
554.02		
554.05		40.788
554.14	24.238	40.793
554.24		40.799
554.34		40.805
554.44		40.81
554.54		40.816
554.64		40.822
554.74	24.239	40.827
554.84		40.833
554.94		40.839
555.		40.842
555.05		40.845
555.1		40.848
555.25	24.24	40.856
555.7		40.882
556.2	24.241	40.91
556.7	24.242	40.939
557.2	24.243	40.967
557.7	24.244	40.995
558.2	24.245	41.024
558.7	24.246	41.052
559.2	24.247	41.08
559.7	24.248	41.108
560.		41.125
560.05		41.128
560.1		41.131
560.25	24.249	41.139
560.7		41.165
561.2	24.25	41.193
561.7	24.251	41.221
562.2	24.252	41.249

562.7	24.253	41.277
563.2	24.254	41.305
563.7	24.255	41.333
564.2	24.256	41.361
564.7	24.257	41.389
565.		41.406
565.05		41.408
565.1		41.411
565.25	24.258	41.42
565.7		41.445
566.2	24.259	41.472
566.7	24.26	41.5
567.2	24.261	41.528
567.7	24.262	41.556
568.2	24.263	41.583
568.7	24.264	41.611
569.2	24.265	41.639
569.7	24.266	41.666
570.		41.683
570.05		41.685
570.1		41.688
570.25	24.267	41.696
570.7	24.268	41.721
571.2		41.749
571.7	24.269	41.776
572.2	24.27	41.804
572.7	24.271	41.831
573.2	24.272	41.858
573.7	24.273	41.886
574.2	24.274	41.913
574.7	24.275	41.94
575.		41.956
575.05	24.276	41.959
575.1		41.962
575.25		41.97
575.7	24.277	41.995
576.2	24.278	42.022
576.7	24.279	42.049
577.2	24.28	42.076
577.7		42.103
578.2	24.281	42.13
578.7	24.282	42.157
579.2	24.283	42.184
579.7	24.284	42.211
580.	24.285	42.227
580.05		42.23
580.1		42.232
580.25		42.24

580.7	24.286	42.265
581.2	24.287	42.291
581.7	24.288	42.318
582.2	24.289	42.345
582.7	24.29	42.372
583.2	24.291	42.398
583.7	24.292	42.425
584.2	24.293	42.452
584.7	24.294	42.478
585.		42.494
585.05		42.497
585.1		42.5
585.25	24.295	42.508
585.7		42.531
586.2	24.296	42.558
586.7	24.297	42.584
587.2	24.298	42.611
587.7	24.299	42.637
588.2	24.3	42.664
588.7	24.301	42.69
589.2	24.302	42.716
589.7	24.303	42.743
590.	24.304	42.758
590.05		42.761
590.1		42.764
590.25		42.771
590.7	24.305	42.795
591.2	24.306	42.821
591.7	24.307	42.847
592.2	24.308	42.874
592.7	24.309	42.9
593.2	24.31	42.926
593.7	24.311	42.952
594.2	24.312	42.978
594.7	24.313	43.004
595.		43.019
595.05		43.022
595.1		43.025
595.25	24.314	43.032
595.7		43.056
596.2	24.315	43.082
596.7	24.316	43.107
597.2	24.317	43.133
597.7	24.318	43.159
598.2	24.319	43.185
598.7	24.32	43.211
599.2	24.321	43.236
599.7	24.322	43.262

600.	24.323	43.277
601.	24.325	43.329
602.	24.327	43.38
605.	24.332	43.532
614.	24.35	43.98
623.	24.369	44.418
633.	24.389	44.895
643.	24.411	45.36
653.	24.432	45.815
663.	24.454	46.259
673.	24.477	46.693
683.	24.5	47.118
693.	24.524	47.533
700.	24.54	47.821
701.	24.543	47.862
702.	24.545	47.903
705.	24.552	48.024
714.	24.575	48.38
723.	24.597	48.728
733.	24.623	49.107
743.	24.649	49.476
753.	24.676	49.837
763.	24.704	50.191
773.	24.732	50.537
783.	24.76	50.874
793.	24.789	51.204
800.	24.81	51.433
801.	24.812	51.465
802.	24.815	51.497
805.	24.824	51.594
814.	24.851	51.878
824.	24.882	52.185
834.	24.913	52.484
844.	24.945	52.776
854.	24.977	53.062
864.	25.009	53.344
874.	25.042	53.619
884.	25.076	53.889
894.	25.11	54.152
900.	25.13	54.306
901.	25.134	54.332
902.	25.137	54.358
905.	25.147	54.434
914.	25.179	54.659
924.	25.214	54.904
934.	25.25	55.143
944.	25.286	55.376
954.	25.322	55.603

964.	25.359	55.825
974.	25.396	56.042
984.	25.433	56.254
994.	25.471	56.46
1000.	25.493	56.582
1002.	25.501	56.622
1004.	25.508	56.662
1010.	25.531	56.78
1028.	25.601	57.118
1046.	25.671	57.442
1066.	25.75	57.785
1086.	25.83	58.111
1106.	25.91	58.422
1126.	25.991	58.717
1146.	26.072	58.997
1166.	26.154	59.263
1186.	26.235	59.516
1200.	26.292	59.686
1202.	26.301	59.71
1204.	26.309	59.734
1210.	26.333	59.806
1228.	26.407	60.009
1246.	26.48	60.203
1266.	26.562	60.406
1286.	26.643	60.599
1306.	26.724	60.781
1326.	26.805	60.953
1346.	26.885	61.115
1366.	26.965	61.267
1386.	27.044	61.411
1400.	27.099	61.511
1402.	27.107	61.524
1404.	27.115	61.538
1410.	27.138	61.578
1428.	27.208	61.692
1446.	27.277	61.799
1466.	27.354	61.91
1486.	27.429	62.013
1506.	27.504	62.109
1526.	27.578	62.199
1546.	27.651	62.282
1566.	27.723	62.358
1586.	27.794	62.429
1600.	27.843	62.477
1602.	27.85	62.484
1604.	27.857	62.49
1610.	27.878	62.51
1628.	27.94	62.562

1646.	28.001	62.609
1666.	28.068	62.657
1686.	28.133	62.7
1706.	28.198	62.738
1726.	28.262	62.77
1746.	28.324	62.799
1766.	28.386	62.823
1786.	28.446	62.842
1800.	28.487	62.856
1802.	28.493	62.858
1804.	28.499	62.859
1810.	28.517	62.864
1828.	28.569	62.874
1846.	28.62	62.881
1866.	28.676	62.885
1886.	28.731	
1906.	28.784	62.882
1926.	28.836	62.875
1946.	28.887	62.865
1966.	28.937	62.852
1986.	28.986	62.837
2000.	29.02	62.826
2002.	29.025	62.824
2004.	29.03	62.822
2010.	29.044	62.817
2028.	29.086	62.8
2048.	29.131	62.775
2068.	29.175	62.748
2088.	29.219	62.718
2108.	29.261	62.686
2128.	29.302	62.651
2148.	29.342	62.613
2168.	29.381	62.574
2188.	29.419	62.532
2200.	29.441	62.508
2202.	29.445	62.503
2204.	29.449	62.499
2210.	29.46	62.486
2228.	29.492	62.448
2248.	29.527	62.4
2268.	29.561	62.35
2288.	29.594	62.298
2308.	29.625	62.247
2328.	29.656	62.195
2348.	29.686	62.141
2368.	29.715	62.086
2388.	29.743	62.028
2400.	29.76	61.992

2402.	29.763	61.986
2404.	29.765	61.98
2410.	29.773	61.961
2428.	29.797	61.906
2448.	29.823	61.845
2468.	29.847	61.781
2488.	29.871	61.716
2508.	29.894	61.65
2528.	29.916	61.583
2548.	29.937	61.514
2568.	29.957	61.443
2588.	29.977	61.372
2600.	29.989	61.327
2602.	29.99	61.32
2604.	29.992	61.312
2610.	29.998	61.29
2628.	30.014	61.223
2648.	30.032	61.148
2668.	30.048	61.071
2688.	30.064	60.994
2708.	30.08	60.915
2728.	30.094	60.836
2748.	30.108	60.755
2768.	30.121	60.674
2788.	30.134	60.592
2800.	30.141	60.541
2802.	30.142	60.533
2804.	30.144	60.524
2810.	30.147	60.499
2828.	30.157	60.423
2848.	30.168	60.338
2868.	30.178	60.252
2888.	30.188	60.166
2908.	30.196	60.078
2928.	30.205	59.99
2948.	30.213	59.901
2968.	30.22	59.812
2988.	30.226	59.722
3000.	30.23	59.666
3002.	30.231	59.657
3004.	30.232	59.648
3010.	30.233	59.62
3028.	30.238	59.537
3048.	30.244	59.445
3068.	30.248	59.353
3088.	30.252	59.259
3108.	30.256	59.166
3128.	30.259	59.071

3148.	30.262	58.976
3168.	30.264	58.881
3188.	30.266	58.785
3200.	30.267	58.726
3202.	30.268	58.716
3204.		58.707
3210.		58.677
3228.	30.269	58.589
3248.	30.27	58.492
3268.		58.394
3288.		58.296
3308.	30.269	58.197
3328.	30.268	58.099
3348.	30.267	57.999
3368.	30.266	57.897
3388.	30.264	57.797
3400.	30.262	57.736
3402.		57.725
3404.		57.715
3410.	30.261	57.684
3428.	30.259	57.593
3448.	30.256	57.492
3468.	30.253	57.39
3488.	30.249	57.289
3508.	30.245	57.186
3528.	30.241	57.084
3548.	30.237	56.982
3568.	30.232	56.879
3588.	30.227	56.776
3600.	30.224	56.714
3602.	30.223	56.703
3604.		56.693
3610.	30.221	56.661
3628.	30.216	56.568
3648.	30.21	56.464
3668.	30.204	56.36
3688.	30.198	56.256
3708.	30.192	56.152
3728.	30.185	56.044
3748.	30.178	55.937
3768.	30.171	55.832
3788.	30.163	55.728
3800.	30.159	55.664
3802.	30.158	55.653
3804.	30.157	55.643
3810.	30.155	55.611
3828.	30.148	55.516
3848.	30.14	55.411

3868.	30.132	55.305
3888.	30.123	55.2
3908.	30.115	55.094
3928.	30.106	54.989
3948.	30.097	54.883
3968.	30.088	54.777
3988.	30.079	54.672
4000.	30.073	54.607
4002.	30.072	54.597
4004.	30.071	54.586
4010.	30.068	54.553
4028.	30.06	54.458
4048.	30.05	54.352
4068.	30.04	54.246
4088.	30.03	54.14
4108.	30.02	54.034
4128.	30.01	53.928
4148.	30.	53.822
4168.	29.989	53.715
4188.	29.978	53.609
4200.	29.972	53.545
4202.	29.971	53.534
4204.	29.97	53.523
4210.	29.967	53.491
4228.	29.957	53.395
4248.	29.946	53.289
4268.	29.935	53.183
4288.	29.923	53.077
4308.	29.912	52.971
4328.	29.901	52.865
4348.	29.889	52.759
4368.	29.878	52.653
4388.	29.866	52.547
4400.	29.859	52.483
4402.	29.858	52.472
4404.	29.857	52.461
4410.	29.853	52.429
4428.	29.842	52.333
4448.	29.83	52.227
4468.	29.818	52.122
4488.	29.806	52.016
4508.	29.794	51.911
4528.	29.782	51.806
4548.	29.77	51.7
4568.	29.757	51.595
4588.	29.745	51.49
4600.	29.738	51.426
4602.	29.736	51.415

4604.	29.735	51.404
4610.	29.731	51.372
4628.	29.72	51.277
4648.	29.707	51.172
4668.	29.695	51.067
4688.	29.682	50.963
4708.	29.669	50.858
4728.	29.657	50.754
4748.	29.644	50.649
4768.	29.631	50.545
4788.	29.618	50.441
4800.	29.61	50.378
4802.	29.609	50.367
4804.	29.608	50.357
4810.	29.604	50.325
4828.	29.592	50.231
4848.	29.579	50.127
4868.	29.566	50.024
4888.	29.553	49.92
4908.	29.54	49.817
4928.	29.526	49.713
4948.	29.513	49.61
4968.	29.5	49.507
4988.	29.487	49.405
5000.	29.479	49.343
5002.	29.477	49.332
5004.	29.476	49.322
5010.	29.472	49.29
5028.	29.46	49.198
5048.	29.447	49.096
5068.	29.433	48.993
5088.	29.42	48.891
5108.	29.407	48.79
5128.	29.393	48.688
5148.	29.38	48.586
5168.	29.367	48.485
5188.	29.353	48.384
5200.	29.345	48.323
5202.	29.344	48.312
5204.	29.342	48.302
5206.	29.341	48.292
5212.	29.337	48.261
5230.	29.325	48.17
5250.	29.311	48.069
5270.	29.298	47.969
5290.	29.284	47.869
5310.	29.271	47.769
5330.	29.258	47.669

5350.	29.244	47.569
5370.	29.231	47.47
5390.	29.217	47.37
5400.	29.21	47.32
5402.	29.209	47.31
5404.	29.208	47.3
5410.	29.204	47.27
5428.	29.191	47.18
5448.	29.178	47.082
5468.	29.164	46.983
5488.	29.151	46.885
5508.	29.137	46.786
5528.	29.124	46.688
5548.	29.11	46.59
5568.	29.097	46.493
5588.	29.084	46.396
5600.	29.075	46.337
5602.	29.074	46.327
5604.	29.073	46.317
5610.	29.069	46.287
5628.	29.057	46.2
5648.	29.043	46.103
5668.	29.03	46.007
5688.	29.016	45.911
5708.	29.003	45.815
5728.	28.989	45.719
5748.	28.976	45.621
5768.	28.963	45.526
5788.	28.949	45.43
5800.	28.941	45.373
5802.	28.94	45.363
5804.	28.939	45.354
5810.	28.934	45.325
5828.	28.922	45.239
5848.	28.909	45.145
5868.	28.896	45.05
5888.	28.882	44.956
5908.	28.869	44.862
5928.	28.856	44.768
5948.	28.843	44.675
5968.	28.829	44.582
5988.	28.816	44.489
6000.	28.808	44.433
6002.	28.807	44.423
6004.	28.806	44.414
6010.	28.802	44.386
6028.	28.79	44.302
6048.	28.777	44.21

6068.	28.763	44.118
6088.	28.75	44.026
6108.	28.737	43.934
6128.	28.724	43.843
6148.	28.711	43.752
6168.	28.698	43.661
6188.	28.685	43.57
6200.	28.677	43.516
6202.	28.676	43.506
6204.	28.674	43.497
6210.	28.671	43.47
6228.	28.659	43.388
6248.	28.646	43.298
6268.	28.633	43.209
6288.	28.62	43.119
6308.	28.607	43.03
6328.	28.594	42.939
6348.	28.581	42.85
6368.	28.568	42.762
6388.	28.556	42.674
6400.	28.548	42.62
6402.	28.547	42.611
6404.	28.545	42.602
6410.	28.541	42.576
6428.	28.53	42.496
6448.	28.517	42.409
6468.	28.504	42.321
6488.	28.492	42.234
6508.	28.479	42.147
6528.	28.466	42.061
6548.	28.454	41.975
6568.	28.441	41.889
6588.	28.429	41.803
6600.	28.421	41.751
6602.	28.42	41.742
6604.	28.419	41.734
6610.	28.415	41.707
6628.	28.403	41.631
6648.	28.391	41.545
6668.	28.378	41.461
6688.	28.366	41.376
6708.	28.354	41.292
6728.	28.341	41.207
6748.	28.329	41.124
6768.	28.316	41.04
6788.	28.304	40.956
6800.	28.297	40.906
6802.	28.295	40.898

6804.	28.294	40.889
6810.	28.291	40.864
6828.	28.279	40.789
6848.	28.267	40.706
6868.	28.255	40.624
6888.	28.243	40.542
6908.	28.231	40.458
6928.	28.218	40.375
6948.	28.206	40.294
6968.	28.194	40.213
6988.	28.182	40.132
7000.	28.175	40.083
7002.	28.174	40.075
7004.	28.172	40.067
7010.	28.169	40.042
7028.	28.158	39.969
7048.	28.146	39.889
7068.	28.134	39.809
7088.	28.122	39.73
7108.	28.11	39.65
7128.	28.098	39.571
7148.	28.087	39.492
7168.	28.075	39.413
7188.	28.063	39.335
7200.	28.056	39.288

FIGURE 24
Model (L4) > Transient Thermal (L5) > Solution (L6) > Permacon T

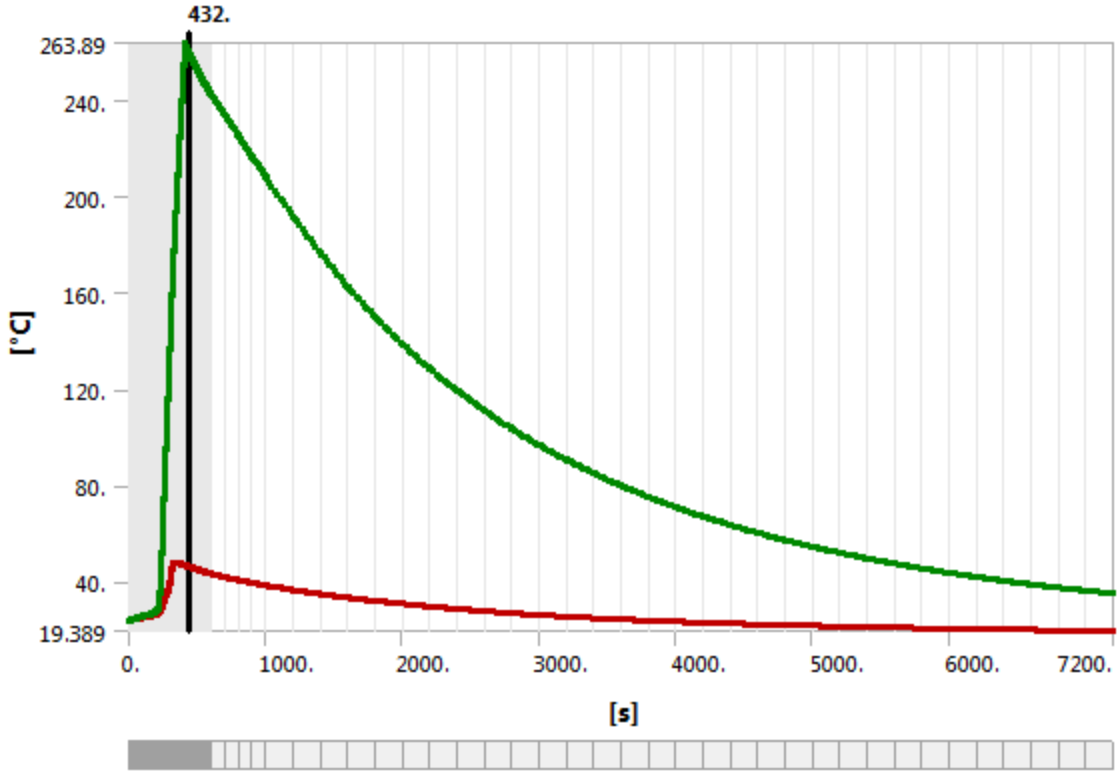

TABLE 32
Model (L4) > Transient Thermal (L5) > Solution (L6) > Permacon T

Time [s]	Minimum [°C]	Maximum [°C]
2.e-002	23.889	23.89
4.e-002		
0.1	23.888	23.892
0.28	23.886	23.896
0.48	23.885	23.898
0.68	23.884	23.899
0.88		
1.08	23.883	
1.28		23.898
1.48	23.882	
1.68		23.897
1.88	23.881	
2.		23.896
2.02		
2.04		
2.1		
2.28	23.88	
2.48		23.895
2.68		23.894
2.88	23.879	
3.08		23.893
3.28	23.878	

3.48		23.892
3.68	23.877	
3.88		23.891
4.		
4.02		
4.04		
4.1	23.876	23.89
4.28	23.875	
4.48	23.874	23.889
4.68	23.873	
4.88	23.871	
5.08	23.87	23.888
5.28	23.869	
5.48		
5.68		23.887
5.88		
6.		
6.02		
6.04		
6.1		
6.28		
6.48		
6.68		
6.88	23.868	
7.08		
7.28		
7.48		23.886
7.68	23.867	
7.88		
8.		
8.02		
8.04		
8.1	23.866	
8.28		
8.48		
8.68	23.865	
8.88		
9.08		
9.28	23.864	
9.48		
9.68		
9.88	23.863	
10.		
10.02		
10.04		
10.1		
10.28		23.885
10.48	23.862	

10.68		
10.88		
11.08		
11.28		
11.48		
11.68		
11.88		
12.		23.886
12.02		
12.04		
12.1		
12.28		
12.48		23.887
12.68	23.863	23.888
12.88		23.889
13.08		23.89
13.28		23.891
13.48	23.864	23.893
13.68		23.894
13.88	23.865	23.896
14.		23.897
14.02		
14.04		
14.1		23.898
14.28	23.866	23.901
14.48	23.867	23.904
14.68	23.869	23.908
14.88	23.871	23.913
15.08	23.873	23.918
15.28	23.874	23.925
15.48	23.876	23.935
15.68	23.879	23.945
15.88	23.881	23.955
16.	23.883	23.962
16.02		23.963
16.04	23.884	
16.1	23.885	23.966
16.28	23.887	23.973
16.48	23.891	23.98
16.68	23.894	23.986
16.88	23.897	23.993
17.08	23.901	23.998
17.28	23.904	24.004
17.48	23.907	24.009
17.68	23.911	24.014
17.88	23.914	24.019
18.	23.916	24.022
18.02		24.023

18.04	23.917	
18.1	23.918	24.025
18.28	23.92	24.031
18.48	23.924	24.037
18.68	23.927	24.044
18.88	23.931	24.051
19.08	23.934	24.058
19.28	23.938	24.065
19.48	23.941	24.072
19.68	23.945	24.08
19.88	23.949	24.088
20.	23.951	24.092
20.02	23.952	24.093
20.04		24.094
20.1	23.953	24.096
20.28	23.957	24.101
20.48	23.961	24.106
20.68	23.964	24.11
20.88	23.968	24.114
21.08	23.972	24.118
21.28	23.975	24.121
21.48	23.979	24.124
21.68	23.982	24.127
21.88	23.985	24.13
22.	23.987	24.131
22.02	23.988	24.132
22.04		
22.1	23.989	24.133
22.28	23.992	24.136
22.48	23.995	24.14
22.68	23.998	24.144
22.88	24.001	24.148
23.08	24.003	24.152
23.28	24.006	24.156
23.48	24.009	24.16
23.68	24.012	24.164
23.88	24.015	24.169
24.	24.017	24.171
24.02		24.172
24.04		
24.1	24.018	24.173
24.28	24.021	24.176
24.48	24.024	24.179
24.68	24.027	24.182
24.88	24.029	24.185
25.08	24.032	24.187
25.28	24.035	24.189
25.48	24.037	24.191

25.68	24.039	24.193
25.88	24.042	24.195
26.	24.043	24.196
26.02		
26.04	24.044	
26.1		24.197
26.28	24.046	24.2
26.48	24.049	24.204
26.68	24.051	24.209
26.88	24.053	24.214
27.08	24.056	24.22
27.28	24.058	24.225
27.48	24.061	24.231
27.68	24.064	24.238
27.88	24.067	24.244
28.	24.068	24.248
28.02	24.069	24.249
28.04		
28.1	24.07	24.251
28.28	24.073	24.255
28.48	24.076	24.259
28.68	24.079	24.263
28.88	24.082	24.267
29.08	24.085	24.27
29.28	24.088	24.273
29.48	24.091	24.276
29.68	24.094	24.279
29.88	24.096	24.281
30.	24.098	24.283
30.02		
30.04		
30.1	24.099	24.284
30.28	24.102	24.287
30.48	24.104	24.29
30.68	24.107	24.294
30.88	24.109	24.297
31.08	24.112	24.301
31.28	24.114	24.304
31.48	24.117	24.308
31.68	24.119	24.312
31.88	24.122	24.315
32.	24.123	24.317
32.02	24.124	24.318
32.04		
32.1	24.125	24.319
32.28	24.127	24.322
32.48	24.129	24.324
32.68	24.132	24.327

32.88	24.134	24.329
33.08	24.137	24.331
33.28	24.139	24.333
33.48	24.141	24.334
33.68	24.143	24.336
33.88	24.145	24.338
34.	24.146	
34.02	24.147	
34.04		24.339
34.1		
34.28	24.149	24.341
34.48	24.151	24.344
34.68	24.153	24.346
34.88	24.155	24.349
35.08	24.157	24.352
35.28	24.159	24.355
35.48	24.161	24.358
35.68	24.163	24.361
35.88	24.165	24.364
36.	24.166	24.366
36.02		24.367
36.04		
36.1	24.167	24.368
36.28	24.169	24.371
36.48	24.171	24.374
36.68	24.173	24.377
36.88	24.175	24.38
37.08	24.177	24.383
37.28	24.179	24.386
37.48	24.181	24.389
37.68	24.183	24.392
37.88	24.185	24.396
38.	24.187	24.398
38.02		
38.04		
38.1	24.188	24.399
38.28	24.19	24.402
38.48	24.192	24.405
38.68	24.194	24.407
38.88	24.196	24.41
39.08	24.198	24.413
39.28	24.2	24.415
39.48	24.202	24.418
39.68	24.204	24.42
39.88	24.206	24.423
40.	24.207	24.424
40.02		
40.04	24.208	24.425

40.1		
40.28	24.21	24.429
40.48	24.212	24.433
40.68	24.214	24.437
40.88	24.216	24.442
41.08	24.218	24.447
41.28	24.221	24.452
41.48	24.223	24.457
41.68	24.226	24.463
41.88	24.228	24.469
42.	24.23	24.472
42.02		24.473
42.04		
42.1	24.231	24.475
42.28	24.234	24.479
42.48	24.236	24.483
42.68	24.239	24.488
42.88	24.242	24.492
43.08	24.245	24.496
43.28	24.248	24.5
43.48	24.251	24.504
43.68	24.253	24.507
43.88	24.256	24.511
44.	24.258	24.513
44.02		24.514
44.04		
44.1	24.259	24.515
44.28	24.261	24.518
44.48	24.264	24.521
44.68	24.267	24.524
44.88	24.269	24.527
45.08	24.272	24.53
45.28	24.274	24.533
45.48	24.277	24.535
45.68	24.279	24.538
45.88	24.282	24.54
46.	24.283	24.542
46.02		
46.04	24.284	
46.1		24.543
46.28	24.286	24.545
46.48	24.289	24.548
46.68	24.291	24.551
46.88	24.293	24.554
47.08	24.295	24.557
47.28	24.297	24.56
47.48	24.3	24.562
47.68	24.302	24.565

47.88	24.304	24.568
48.	24.305	24.57
48.02		
48.04	24.306	
48.1		24.571
48.28	24.308	24.575
48.48	24.31	24.578
48.68	24.313	24.582
48.88	24.315	24.587
49.08	24.317	24.591
49.28	24.32	24.596
49.48	24.322	24.6
49.68	24.325	24.605
49.88	24.327	24.61
50.	24.329	24.613
50.02		
50.04		24.614
50.1	24.33	24.615
50.28	24.332	24.619
50.48	24.335	24.624
50.68	24.338	24.628
50.88	24.341	24.632
51.08	24.343	24.637
51.28	24.346	24.641
51.48	24.349	24.645
51.68	24.352	24.65
51.88	24.354	24.654
52.	24.356	24.656
52.02		24.657
52.04	24.357	
52.1	24.358	24.658
52.28	24.36	24.662
52.48	24.363	24.665
52.68	24.366	24.668
52.88	24.368	24.671
53.08	24.371	24.674
53.28	24.374	24.676
53.48	24.376	24.679
53.68	24.379	24.681
53.88	24.381	24.683
54.	24.382	24.685
54.02	24.383	
54.04		
54.1	24.384	24.686
54.28	24.386	24.688
54.48	24.388	24.691
54.68	24.39	24.693
54.88	24.392	24.696

55.08	24.395	24.699
55.28	24.397	24.701
55.48	24.399	24.704
55.68	24.401	24.706
55.88	24.403	24.709
56.	24.404	24.711
56.02	24.405	
56.04		
56.1		24.712
56.28	24.407	24.715
56.48	24.409	24.719
56.68	24.412	24.722
56.88	24.414	24.726
57.08	24.416	24.731
57.28	24.418	24.735
57.48	24.421	24.739
57.68	24.423	24.744
57.88	24.426	24.748
58.	24.427	24.751
58.02		24.752
58.04	24.428	
58.1		24.753
58.28	24.431	24.757
58.48	24.433	24.761
58.68	24.436	24.765
58.88	24.439	24.769
59.08	24.441	24.773
59.28	24.444	24.777
59.48	24.446	24.781
59.68	24.449	24.785
59.88	24.452	24.789
60.	24.453	24.791
60.02	24.454	24.792
60.04		
60.1	24.455	24.793
60.28	24.457	24.796
60.48	24.46	24.8
60.68	24.462	24.803
60.88	24.465	24.806
61.08	24.467	24.809
61.28	24.47	24.812
61.48	24.472	24.815
61.68	24.475	24.817
61.88	24.477	24.82
62.	24.479	24.821
62.02		24.822
62.04		
62.1	24.48	24.823

62.28	24.482	24.826
62.48	24.484	24.83
62.68	24.487	24.834
62.88	24.489	24.838
63.08	24.492	24.843
63.28	24.494	24.847
63.48	24.497	24.852
63.68	24.499	24.857
63.88	24.502	24.861
64.	24.503	24.864
64.02	24.504	24.865
64.04		
64.1	24.505	24.867
64.28	24.507	24.872
64.48	24.51	24.878
64.68	24.513	24.885
64.88	24.516	24.892
65.08	24.52	24.899
65.28	24.523	24.906
65.48	24.526	24.913
65.68	24.53	24.921
65.88	24.533	24.929
66.	24.536	24.933
66.02		24.934
66.04	24.537	24.935
66.1	24.538	24.937
66.28	24.541	24.942
66.48	24.545	24.947
66.68	24.549	24.952
66.88	24.553	24.956
67.08	24.556	24.96
67.28	24.56	24.963
67.48	24.563	24.966
67.68	24.567	24.969
67.88	24.57	24.972
68.	24.572	24.974
68.02		
68.04	24.573	
68.1	24.574	24.975
68.28	24.577	24.979
68.48	24.58	24.983
68.68	24.583	24.988
68.88	24.586	24.993
69.08	24.589	24.998
69.28	24.592	25.004
69.48	24.596	25.009
69.68	24.599	25.014
69.88	24.602	25.02

70.	24.604	25.023
70.02	24.605	25.024
70.04		25.025
70.1	24.606	25.026
70.28	24.609	25.03
70.48	24.612	25.035
70.68	24.616	25.039
70.88	24.619	25.043
71.08	24.622	25.047
71.28	24.626	25.051
71.48	24.629	25.055
71.68	24.632	25.058
71.88	24.635	25.062
72.	24.637	25.064
72.02	24.638	
72.04		25.065
72.1	24.639	25.066
72.28	24.642	25.07
72.48	24.645	25.075
72.68	24.648	25.08
72.88	24.651	25.085
73.08	24.654	25.091
73.28	24.657	25.096
73.48	24.661	25.102
73.68	24.664	25.108
73.88	24.668	25.114
74.	24.67	25.117
74.02		25.118
74.04		
74.1	24.671	25.12
74.28	24.674	25.125
74.48	24.678	25.13
74.68	24.682	25.136
74.88	24.685	25.141
75.08	24.689	25.146
75.28	24.692	25.151
75.48	24.696	25.156
75.68	24.699	25.161
75.88	24.703	25.166
76.	24.705	25.169
76.02		
76.04	24.706	25.17
76.1	24.707	25.171
76.28	24.71	25.175
76.48	24.714	25.179
76.68	24.717	25.182
76.88	24.72	25.186
77.08	24.724	25.189

77.28	24.727	25.192
77.48	24.73	25.195
77.68	24.733	25.198
77.88	24.736	25.201
78.	24.738	25.202
78.02		
78.04	24.739	25.203
78.1		25.204
78.28	24.742	25.207
78.48	24.745	25.211
78.68	24.748	25.215
78.88	24.751	25.219
79.08	24.753	25.223
79.28	24.756	25.227
79.48	24.759	25.232
79.68	24.762	25.236
79.88	24.765	25.241
80.	24.767	25.243
80.02		25.244
80.04	24.768	
80.1	24.769	25.246
80.28	24.771	25.249
80.48	24.774	25.253
80.68	24.777	25.257
80.88	24.78	25.26
81.08	24.783	25.264
81.28	24.786	25.267
81.48	24.789	25.271
81.68	24.792	25.274
81.88	24.795	25.277
82.	24.796	25.279
82.02	24.797	
82.04		25.28
82.1	24.798	25.281
82.28	24.8	25.283
82.48	24.803	25.286
82.68	24.805	25.288
82.88	24.808	25.29
83.08	24.811	25.293
83.28	24.813	25.295
83.48	24.815	25.297
83.68	24.818	25.298
83.88	24.82	25.3
84.	24.821	25.301
84.02	24.822	
84.04		
84.1		25.302
84.28	24.824	25.304

84.48	24.826	25.306
84.68	24.829	25.309
84.88	24.831	25.311
85.08	24.833	25.314
85.28	24.835	25.316
85.48	24.837	25.319
85.68	24.839	25.322
85.88	24.841	25.324
86.	24.842	25.326
86.02		
86.04	24.843	
86.1		25.327
86.28	24.845	25.33
86.48	24.847	25.333
86.68	24.849	25.337
86.88	24.851	25.34
87.08	24.854	25.344
87.28	24.856	25.347
87.48	24.858	25.351
87.68	24.86	25.355
87.88	24.862	25.359
88.	24.864	25.361
88.02		25.362
88.04		
88.1	24.865	25.363
88.28	24.867	25.366
88.48	24.87	25.369
88.68	24.872	25.372
88.88	24.874	25.374
89.08	24.876	25.377
89.28	24.879	25.379
89.48	24.881	25.381
89.68	24.883	25.383
89.88	24.885	25.385
90.	24.886	25.386
90.02	24.887	25.387
90.04		
90.1		
90.28	24.889	25.389
90.48	24.891	25.392
90.68	24.893	25.394
90.88	24.895	25.396
91.08	24.897	25.398
91.28	24.899	25.4
91.48	24.901	25.403
91.68	24.903	25.405
91.88	24.904	25.407
92.	24.905	25.408

92.02	24.906	
92.04		25.409
92.1		
92.28	24.908	25.412
92.48	24.91	25.415
92.68	24.912	25.418
92.88	24.914	25.421
93.08	24.916	25.425
93.28	24.917	25.428
93.48	24.92	25.432
93.68	24.922	25.436
93.88	24.924	25.44
94.	24.925	25.442
94.02		25.443
94.04		
94.1	24.926	25.444
94.28	24.928	25.447
94.48	24.93	25.45
94.68	24.932	25.453
94.88	24.935	25.456
95.08	24.937	25.459
95.28	24.939	25.461
95.48	24.941	25.464
95.68	24.943	25.466
95.88	24.945	25.469
96.	24.946	25.47
96.02	24.947	25.471
96.04		
96.1		25.472
96.28	24.949	25.474
96.48	24.951	25.477
96.68	24.953	25.48
96.88	24.955	25.482
97.08	24.957	25.485
97.28	24.959	25.488
97.48	24.961	25.491
97.68	24.963	25.494
97.88	24.965	25.496
98.	24.967	25.498
98.02		
98.04		25.499
98.1	24.968	
98.28	24.969	25.502
98.48	24.971	25.504
98.68	24.973	25.507
98.88	24.975	25.51
99.08	24.977	25.512
99.28	24.979	25.515

99.48	24.981	25.517
99.68	24.983	25.519
99.88	24.985	25.522
100.	24.986	25.523
100.02		
100.04	24.987	25.524
100.1		
100.28	24.989	25.527
100.48	24.991	25.529
100.68	24.993	25.532
100.88	24.994	25.534
101.08	24.996	25.536
101.28	24.998	25.539
101.48	25.	25.541
101.68	25.002	25.544
101.88	25.004	25.546
102.	25.005	25.548
102.02		
102.04		
102.1	25.006	25.549
102.28	25.007	25.551
102.48	25.009	25.553
102.68	25.011	25.556
102.88	25.013	25.558
103.08	25.014	25.561
103.28	25.016	25.563
103.48	25.018	25.565
103.68	25.02	25.568
103.88	25.021	25.57
104.	25.023	25.571
104.02		25.572
104.04		
104.1		25.573
104.28	25.025	25.575
104.48	25.027	25.577
104.68	25.029	25.58
104.88	25.03	25.583
105.08	25.032	25.585
105.28	25.034	25.588
105.48	25.036	25.59
105.68	25.037	25.593
105.88	25.039	25.596
106.	25.04	25.597
106.02		
106.04	25.041	25.598
106.1		25.599
106.28	25.043	25.601
106.48	25.045	25.604

106.68	25.046	25.607
106.88	25.048	25.61
107.08	25.05	25.614
107.28	25.052	25.617
107.48	25.054	25.62
107.68	25.056	25.623
107.88	25.058	25.627
108.	25.059	25.629
108.02		
108.04	25.06	25.63
108.1		25.631
108.28	25.062	25.634
108.48	25.064	25.638
108.68	25.066	25.642
108.88	25.069	25.646
109.08	25.071	25.65
109.28	25.073	25.655
109.48	25.075	25.659
109.68	25.078	25.663
109.88	25.08	25.668
110.	25.082	25.671
110.02		
110.04		25.672
110.1	25.083	25.673
110.28	25.085	25.677
110.48	25.088	25.681
110.68	25.09	25.685
110.88	25.093	25.689
111.08	25.095	25.693
111.28	25.098	25.696
111.48	25.1	25.7
111.68	25.103	25.704
111.88	25.106	25.708
112.	25.107	25.71
112.02		25.711
112.04	25.108	
112.1		25.712
112.28	25.111	25.714
112.48	25.113	25.717
112.68	25.116	25.719
112.88	25.118	25.721
113.08	25.12	25.723
113.28	25.123	25.725
113.48	25.125	25.726
113.68	25.127	25.727
113.88	25.129	25.728
114.	25.13	25.729
114.02		

114.04		
114.1	25.131	25.73
114.28	25.133	25.731
114.48	25.134	25.733
114.68	25.136	25.735
114.88	25.138	25.736
115.08	25.139	25.738
115.28	25.141	25.74
115.48	25.143	25.743
115.68	25.144	25.745
115.88	25.146	25.747
116.	25.147	25.749
116.02		
116.04		
116.1	25.148	25.75
116.28	25.149	25.753
116.48	25.151	25.756
116.68	25.153	25.759
116.88	25.154	25.762
117.08	25.156	25.765
117.28	25.158	25.768
117.48	25.16	25.771
117.68	25.162	25.775
117.88	25.164	25.779
118.	25.165	25.781
118.02		25.782
118.04		
118.1	25.166	25.783
118.28	25.168	25.786
118.48	25.17	25.79
118.68	25.172	25.793
118.88	25.174	25.797
119.08	25.177	25.8
119.28	25.179	25.803
119.48	25.181	25.807
119.68	25.183	25.81
119.88	25.185	25.813
120.	25.187	25.815
120.02		25.816
120.04		
120.1	25.188	25.817
120.28	25.19	25.82
120.48	25.192	25.823
120.68	25.194	25.826
120.88	25.196	25.829
121.08	25.198	25.832
121.28	25.201	25.835
121.48	25.203	25.838

121.68	25.205	25.841
121.88	25.207	25.844
122.	25.208	25.846
122.02	25.209	
122.04		
122.1	25.21	25.847
122.28	25.211	25.85
122.48	25.214	25.852
122.68	25.216	25.855
122.88	25.218	25.858
123.08	25.22	25.861
123.28	25.222	25.863
123.48	25.224	25.866
123.68	25.226	25.869
123.88	25.228	25.871
124.	25.229	25.873
124.02		
124.04		25.874
124.1	25.23	
124.28	25.231	25.877
124.48	25.233	25.88
124.68	25.235	25.882
124.88	25.237	25.885
125.08	25.239	25.888
125.28	25.241	25.891
125.48	25.243	25.893
125.68	25.244	25.896
125.88	25.246	25.899
126.	25.247	25.901
126.02	25.248	
126.04		
126.1		25.902
126.28	25.25	25.905
126.48	25.252	25.909
126.68	25.254	25.913
126.88	25.256	25.917
127.08	25.258	25.921
127.28	25.261	25.926
127.48	25.263	25.931
127.68	25.266	25.937
127.88	25.268	25.943
128.	25.27	25.947
128.02		
128.04	25.271	25.948
128.1		25.949
128.28	25.274	25.953
128.48	25.277	25.957
128.68	25.28	25.96

128.88	25.282	25.963
129.08	25.285	25.966
129.28	25.288	25.968
129.48	25.29	25.97
129.68	25.293	25.972
129.88	25.295	25.974
130.	25.296	25.975
130.02	25.297	25.976
130.04		
130.1	25.298	25.977
130.28	25.3	25.98
130.48	25.302	25.983
130.68	25.304	25.986
130.88	25.306	25.989
131.08	25.308	25.992
131.28	25.31	25.995
131.48	25.312	25.998
131.68	25.314	26.001
131.88	25.316	26.004
132.	25.318	26.005
132.02		26.006
132.04		
132.1	25.319	26.007
132.28	25.321	26.009
132.48	25.323	26.011
132.68	25.324	26.014
132.88	25.326	26.016
133.08	25.328	26.018
133.28	25.33	26.02
133.48	25.331	26.022
133.68	25.333	26.024
133.88	25.334	26.026
134.	25.335	26.027
134.02		
134.04	25.336	
134.1		26.028
134.28	25.337	26.03
134.48	25.339	26.033
134.68	25.34	26.035
134.88	25.342	26.039
135.08	25.343	26.042
135.28	25.345	26.045
135.48	25.347	26.049
135.68	25.348	26.052
135.88	25.35	26.056
136.	25.352	26.059
136.02		
136.04		

136.1	25.353	26.06
136.28	25.355	26.064
136.48	25.357	26.068
136.68	25.359	26.072
136.88	25.362	26.077
137.08	25.364	26.081
137.28	25.367	26.086
137.48	25.369	26.09
137.68	25.372	26.095
137.88	25.375	26.1
138.	25.377	26.103
138.02		
138.04		26.104
138.1	25.378	26.105
138.28	25.381	26.109
138.48	25.384	26.113
138.68	25.387	26.116
138.88	25.39	26.119
139.08	25.393	26.123
139.28	25.395	26.126
139.48	25.398	26.129
139.68	25.4	26.131
139.88	25.403	26.134
140.	25.404	26.136
140.02		
140.04	25.405	
140.1		26.137
140.28	25.407	26.14
140.48	25.41	26.144
140.68	25.412	26.148
140.88	25.414	26.153
141.08	25.417	26.157
141.28	25.419	26.162
141.48	25.422	26.167
141.68	25.425	26.172
141.88	25.428	26.177
142.	25.429	26.181
142.02	25.43	26.182
142.04		
142.1	25.431	26.184
142.28	25.434	26.188
142.48	25.437	26.192
142.68	25.44	26.196
142.88	25.443	26.199
143.08	25.446	26.202
143.28	25.449	26.205
143.48	25.452	26.208
143.68	25.454	26.212

143.88	25.457	26.215
144.	25.459	26.217
144.02		
144.04		
144.1	25.46	26.218
144.28	25.462	26.222
144.48	25.465	26.225
144.68	25.467	26.229
144.88	25.47	26.233
145.08	25.472	26.237
145.28	25.475	26.242
145.48	25.478	26.246
145.68	25.48	26.25
145.88	25.483	26.254
146.	25.485	26.257
146.02		
146.04		26.258
146.1	25.486	26.259
146.28	25.489	26.263
146.48	25.492	26.267
146.68	25.494	26.271
146.88	25.497	26.274
147.08	25.5	26.278
147.28	25.503	26.282
147.48	25.505	26.286
147.68	25.508	26.29
147.88	25.511	26.293
148.	25.513	26.296
148.02		
148.04		
148.1	25.514	26.297
148.28	25.516	26.301
148.48	25.519	26.305
148.68	25.522	26.309
148.88	25.524	26.313
149.08	25.527	26.317
149.28	25.53	26.32
149.48	25.532	26.324
149.68	25.535	26.328
149.88	25.538	26.332
150.	25.539	26.335
150.01		
150.02	25.54	
150.05		26.336
150.14	25.541	26.338
150.24	25.543	26.34
150.34	25.544	26.342
150.44	25.545	26.344

150.54	25.547	26.346
150.64	25.548	26.348
150.74	25.549	26.35
150.84	25.551	26.353
150.94	25.552	26.355
151.	25.553	26.356
151.01		
151.02		26.357
151.05	25.554	
151.14	25.555	26.36
151.24	25.557	26.362
151.34	25.558	26.366
151.44	25.56	26.37
151.54	25.561	26.374
151.64	25.563	26.378
151.74	25.564	26.383
151.84	25.566	26.387
151.94	25.568	26.392
152.	25.569	26.395
152.01		
152.02		
152.05	25.57	26.397
152.14	25.571	26.4
152.24	25.573	26.402
152.34	25.575	26.405
152.44	25.577	26.407
152.54	25.579	26.409
152.64	25.581	26.411
152.74	25.583	26.413
152.84	25.585	26.414
152.94	25.586	26.416
153.	25.587	
153.01	25.588	26.417
153.02		
153.05		
153.14	25.59	26.418
153.24	25.592	26.419
153.34	25.593	
153.44	25.595	26.42
153.54	25.596	26.421
153.64	25.598	
153.74	25.599	
153.84	25.601	
153.94	25.602	26.422
154.	25.603	26.423
154.01		
154.02		
154.05	25.604	26.424

154.14	25.605	26.426
154.24	25.606	26.428
154.34	25.607	26.43
154.44	25.609	26.433
154.54	25.61	26.435
154.64	25.611	26.438
154.74	25.613	26.441
154.84	25.614	26.445
154.94	25.615	26.45
155.	25.616	26.452
155.01		
155.02	25.617	26.453
155.05		26.454
155.14	25.618	26.458
155.24	25.62	26.462
155.34	25.622	26.466
155.44	25.624	26.47
155.54	25.625	26.474
155.64	25.627	26.478
155.74	25.629	26.483
155.84	25.631	26.487
155.94	25.633	26.492
156.	25.634	26.494
156.01		26.495
156.02		
156.05	25.635	26.496
156.14	25.637	26.499
156.24	25.639	26.502
156.34	25.641	26.504
156.44	25.643	26.506
156.54	25.645	26.508
156.64	25.647	26.51
156.74	25.649	26.512
156.84	25.651	26.513
156.94	25.653	26.514
157.	25.654	26.515
157.01		
157.02		
157.05	25.655	26.516
157.14	25.656	26.517
157.24	25.658	26.519
157.34	25.66	26.521
157.44	25.662	26.523
157.54	25.663	26.525
157.64	25.665	26.526
157.74	25.667	26.528
157.84	25.668	26.53
157.94	25.67	26.532

158.	25.671	26.534
158.01		
158.02		
158.05	25.672	26.535
158.14	25.673	26.536
158.24	25.675	26.539
158.34	25.677	26.541
158.44	25.678	26.543
158.54	25.68	26.545
158.64	25.681	26.547
158.74	25.683	26.55
158.84	25.685	26.552
158.94	25.686	26.554
159.	25.687	26.555
159.01		26.556
159.02	25.688	
159.05		26.557
159.14	25.69	26.559
159.24	25.691	26.562
159.34	25.693	26.565
159.44	25.694	26.568
159.54	25.696	26.571
159.64	25.698	26.574
159.74	25.699	26.577
159.84	25.701	26.58
159.94	25.703	26.584
160.	25.704	26.586
160.01		
160.02		
160.05	25.705	26.587
160.14	25.706	26.591
160.24	25.708	26.595
160.34	25.71	26.599
160.44	25.712	26.604
160.54	25.714	26.609
160.64	25.716	26.613
160.74	25.718	26.618
160.84	25.72	26.623
160.94	25.722	26.628
161.	25.724	26.631
161.01		26.632
161.02		
161.05	25.725	26.634
161.14	25.727	26.636
161.24	25.729	26.639
161.34	25.731	26.641
161.44	25.733	26.643
161.54	25.736	26.644

161.64	25.738	26.645
161.74	25.74	
161.84	25.742	26.646
161.94	25.744	
162.	25.745	
162.01		
162.02		
162.05	25.746	
162.14	25.748	26.647
162.24	25.749	26.649
162.34	25.751	26.65
162.44	25.753	26.652
162.54	25.755	26.654
162.64	25.756	26.656
162.74	25.758	26.657
162.84	25.76	26.659
162.94	25.761	26.661
163.	25.762	26.663
163.01		
163.02		
163.05	25.763	26.664
163.14	25.764	26.666
163.24	25.766	26.668
163.34	25.768	26.67
163.44	25.769	26.673
163.54	25.771	26.675
163.64	25.773	26.678
163.74	25.774	26.68
163.84	25.776	26.683
163.94	25.777	26.685
164.	25.778	26.687
164.01	25.779	
164.02		
164.05		26.688
164.14	25.781	26.692
164.24	25.783	26.696
164.34	25.784	26.7
164.44	25.786	26.705
164.54	25.788	26.71
164.64	25.79	26.715
164.74	25.792	26.721
164.84	25.794	26.726
164.94	25.796	26.732
165.	25.797	26.736
165.01		
165.02	25.798	26.737
165.05		26.738
165.14	25.8	26.743

165.24	25.803	26.747
165.34	25.805	26.752
165.44	25.807	26.756
165.54	25.81	26.761
165.64	25.812	26.765
165.74	25.815	26.769
165.84	25.817	26.773
165.94	25.819	26.777
166.	25.821	26.779
166.01		26.78
166.02		
166.05	25.822	26.781
166.14	25.824	26.783
166.24	25.827	26.786
166.34	25.829	26.788
166.44	25.832	26.789
166.54	25.834	26.79
166.64	25.836	26.791
166.74	25.839	26.792
166.84	25.841	26.793
166.94	25.843	
167.	25.844	
167.01		26.794
167.02	25.845	
167.05		
167.14	25.847	26.795
167.24	25.849	26.797
167.34	25.851	26.798
167.44	25.853	26.8
167.54	25.855	26.802
167.64	25.856	26.804
167.74	25.858	26.806
167.84	25.86	26.808
167.94	25.862	26.81
168.	25.863	26.811
168.01		26.812
168.02		
168.05	25.864	
168.14	25.865	26.814
168.24	25.867	26.815
168.34	25.869	26.816
168.44	25.871	
168.54	25.872	26.817
168.64	25.874	
168.74	25.875	26.818
168.84	25.877	
168.94	25.878	
169.	25.879	

169.01		
169.02	25.88	
169.05		26.819
169.14	25.881	26.822
169.24	25.883	26.826
169.34	25.884	26.83
169.44	25.886	26.836
169.54	25.887	26.842
169.64	25.889	26.848
169.74	25.891	26.855
169.84	25.892	26.862
169.94	25.894	26.87
170.	25.896	26.874
170.01		26.875
170.02		26.876
170.05	25.897	26.878
170.14	25.899	26.884
170.24	25.901	26.89
170.34	25.903	26.895
170.44	25.906	26.901
170.54	25.908	26.906
170.64	25.911	26.911
170.74	25.914	26.917
170.84	25.916	26.922
170.94	25.919	26.927
171.	25.921	26.93
171.01		26.931
171.02		
171.05	25.922	26.932
171.14	25.925	26.935
171.24	25.927	26.938
171.34	25.93	26.94
171.44	25.933	26.942
171.54	25.935	26.943
171.64	25.938	26.944
171.74	25.94	26.945
171.84	25.943	
171.94	25.945	
172.	25.947	
172.01		
172.02		
172.05	25.948	26.946
172.14	25.95	26.947
172.24	25.952	26.949
172.34	25.954	26.951
172.44	25.956	26.954
172.54	25.958	26.957
172.64	25.96	26.96

172.74	25.962	26.963
172.84	25.964	26.966
172.94	25.966	26.969
173.	25.968	26.971
173.01		26.972
173.02		
173.05	25.969	26.973
173.14	25.97	26.976
173.24	25.973	26.979
173.34	25.975	26.981
173.44	25.977	26.984
173.54	25.979	26.987
173.64	25.981	26.99
173.74	25.983	26.992
173.84	25.985	26.995
173.94	25.987	26.997
174.	25.988	26.999
174.01	25.989	
174.02		
174.05		27.
174.14	25.991	27.003
174.24	25.993	27.006
174.34	25.995	27.01
174.44	25.997	27.013
174.54	26.	27.017
174.64	26.002	27.021
174.74	26.004	27.025
174.84	26.006	27.029
174.94	26.008	27.033
175.	26.009	27.035
175.01	26.01	27.036
175.02		
175.05	26.011	27.037
175.14	26.013	27.04
175.24	26.015	27.043
175.34	26.017	27.046
175.44	26.019	27.048
175.54	26.022	27.051
175.64	26.024	27.053
175.74	26.026	27.055
175.84	26.028	27.057
175.94	26.03	27.059
176.	26.032	27.06
176.01		27.061
176.02		
176.05	26.033	27.062
176.14	26.035	27.065
176.24	26.037	27.069

176.34	26.039	27.074
176.44	26.041	27.079
176.54	26.043	27.084
176.64	26.045	27.089
176.74	26.048	27.095
176.84	26.05	27.101
176.94	26.052	27.107
177.	26.054	27.111
177.01		27.112
177.02		
177.05	26.055	27.114
177.14	26.057	27.117
177.24	26.06	27.121
177.34	26.063	27.123
177.44	26.065	27.126
177.54	26.068	27.128
177.64	26.07	27.13
177.74	26.073	27.132
177.84	26.075	27.133
177.94	26.078	27.134
178.	26.079	27.135
178.01	26.08	
178.02		
178.05		27.136
178.14	26.083	27.138
178.24	26.085	27.141
178.34	26.087	27.145
178.44	26.089	27.149
178.54	26.092	27.154
178.64	26.094	27.158
178.74	26.096	27.163
178.84	26.098	27.168
178.94	26.101	27.173
179.	26.102	27.176
179.01	26.103	27.177
179.02		
179.05	26.104	27.178
179.14	26.106	27.18
179.24	26.108	27.182
179.34	26.111	
179.44	26.113	
179.54	26.115	
179.64	26.118	27.181
179.74	26.12	27.18
179.84	26.122	27.179
179.94	26.124	27.177
180.	26.125	27.175
180.01		

180.02		
180.05	26.126	
180.14	26.128	
180.24	26.129	27.176
180.34	26.131	27.177
180.44	26.132	27.178
180.54	26.134	27.18
180.64	26.135	27.182
180.74	26.137	27.184
180.84	26.138	27.187
180.94	26.14	27.189
181.	26.141	27.191
181.01		
181.02		
181.05		27.192
181.14	26.143	27.194
181.24	26.144	27.197
181.34	26.146	27.2
181.44	26.148	27.203
181.54	26.149	27.206
181.64	26.151	27.209
181.74	26.153	27.213
181.84	26.154	27.216
181.94	26.156	27.219
182.	26.157	27.221
182.01		27.222
182.02		
182.05	26.158	27.223
182.14	26.16	27.226
182.24	26.161	27.229
182.34	26.163	27.231
182.44	26.165	27.234
182.54	26.167	27.237
182.64	26.169	27.239
182.74	26.171	27.242
182.84	26.173	27.245
182.94	26.175	27.247
183.	26.176	27.249
183.01		
183.02		
183.05	26.177	27.25
183.14	26.178	27.253
183.24	26.18	27.257
183.34	26.182	27.261
183.44	26.184	27.265
183.54	26.186	27.27
183.64	26.188	27.274
183.74	26.19	27.279

183.84	26.192	27.284
183.94	26.194	27.289
184.	26.196	27.292
184.01		27.293
184.02		
184.05	26.197	27.294
184.14	26.199	27.297
184.24	26.201	27.3
184.34	26.203	27.302
184.44	26.206	27.304
184.54	26.208	27.305
184.64	26.21	27.306
184.74	26.212	27.307
184.84	26.214	27.308
184.94	26.216	
185.	26.218	
185.01		
185.02		
185.05	26.219	27.309
185.14	26.22	27.31
185.24	26.222	27.312
185.34	26.224	27.314
185.44	26.226	27.317
185.54	26.228	27.319
185.64	26.229	27.322
185.74	26.231	27.325
185.84	26.233	27.328
185.94	26.235	27.331
186.	26.236	27.333
186.01		
186.02		
186.05	26.237	27.334
186.14	26.239	27.335
186.24	26.24	27.336
186.34	26.242	27.337
186.44	26.244	
186.54	26.246	
186.64	26.247	
186.74	26.249	
186.84	26.251	27.336
186.94	26.252	27.335
187.	26.253	
187.01		27.334
187.02		
187.05	26.254	
187.14	26.255	27.335
187.24	26.256	
187.34	26.258	27.336

187.44	26.259	
187.54	26.26	27.337
187.64	26.261	27.338
187.74	26.262	27.34
187.84	26.263	27.341
187.94	26.265	27.342
188.		27.343
188.01		
188.02	26.266	
188.05		27.344
188.14	26.267	27.345
188.24	26.268	27.346
188.34	26.269	27.347
188.44	26.27	27.348
188.54	26.272	27.349
188.64	26.273	27.35
188.74	26.274	27.352
188.84	26.275	27.354
188.94	26.276	27.355
189.	26.277	27.356
189.01		
189.02		
189.05		27.357
189.14	26.278	27.359
189.24	26.279	27.361
189.34	26.28	27.364
189.44	26.282	27.366
189.54	26.283	27.369
189.64	26.284	27.372
189.74	26.285	27.376
189.84	26.287	27.38
189.94	26.288	27.384
190.	26.289	27.387
190.01		
190.02		27.388
190.05	26.29	27.389
190.14	26.291	27.392
190.24	26.293	27.395
190.34	26.294	27.399
190.44	26.296	27.402
190.54	26.298	27.405
190.64	26.299	27.409
190.74	26.301	27.412
190.84	26.303	27.415
190.94	26.304	27.418
191.	26.305	27.42
191.01	26.306	
191.02		27.421

191.05		
191.14	26.308	27.423
191.24	26.31	27.425
191.34	26.312	27.426
191.44	26.313	27.427
191.54	26.315	27.428
191.64	26.317	
191.74	26.318	27.429
191.84	26.32	
191.94	26.321	
192.	26.322	
192.01		
192.02	26.323	
192.05		
192.14	26.324	
192.24	26.326	27.431
192.34	26.327	27.432
192.44	26.328	27.434
192.54	26.33	27.436
192.64	26.331	27.437
192.74	26.332	27.439
192.84	26.333	27.441
192.94	26.335	27.442
193.		27.443
193.01		
193.02	26.336	27.444
193.05		
193.14	26.337	27.446
193.24	26.338	27.447
193.34	26.339	27.449
193.44	26.34	27.451
193.54	26.342	27.453
193.64	26.343	27.454
193.74	26.344	27.456
193.84	26.345	27.458
193.94	26.346	27.459
194.	26.347	27.46
194.01		27.461
194.02		
194.05		27.462
194.14	26.349	27.464
194.24	26.35	27.467
194.34	26.351	27.47
194.44	26.352	27.473
194.54	26.354	27.476
194.64	26.355	27.48
194.74	26.356	27.483
194.84	26.358	27.488

194.94	26.36	27.494
195.	26.361	27.497
195.01		27.498
195.02		
195.05		27.5
195.14	26.363	27.503
195.24	26.365	27.505
195.34	26.367	27.507
195.44	26.369	27.508
195.54	26.371	27.509
195.64	26.372	
195.74	26.374	
195.84	26.376	
195.94	26.377	27.51
196.	26.378	27.511
196.01	26.379	
196.02		
196.05		
196.14	26.381	27.513
196.24	26.382	27.514
196.34	26.383	27.516
196.44	26.385	27.517
196.54	26.386	27.519
196.64	26.387	27.52
196.74	26.388	27.522
196.84	26.39	27.524
196.94	26.391	27.525
197.	26.392	27.526
197.01		
197.02		
197.05		27.527
197.14	26.393	27.529
197.24	26.394	27.531
197.34	26.396	27.533
197.44	26.397	27.535
197.54	26.398	27.538
197.64	26.399	27.54
197.74	26.4	27.543
197.84	26.402	27.545
197.94	26.403	27.548
198.	26.404	27.549
198.01		27.55
198.02		
198.05	26.405	27.551
198.14	26.406	27.553
198.24	26.407	27.555
198.34	26.409	27.557
198.44	26.41	27.559

198.54	26.412	27.561
198.64	26.413	27.563
198.74	26.414	27.564
198.84	26.416	27.566
198.94	26.417	27.568
199.	26.418	27.569
199.01		
199.02		
199.05	26.419	27.57
199.14	26.42	27.572
199.24	26.421	27.574
199.34	26.423	27.576
199.44	26.424	27.579
199.54	26.425	27.581
199.64	26.427	27.583
199.74	26.428	27.586
199.84	26.43	27.588
199.94	26.431	27.591
200.	26.432	27.593
200.01		
200.02		
200.05	26.433	27.594
200.14	26.434	27.596
200.24	26.436	27.599
200.34	26.437	27.601
200.44	26.439	27.604
200.54	26.44	27.606
200.64	26.442	27.609
200.74	26.443	27.611
200.84	26.445	27.614
200.94	26.447	27.616
201.	26.448	27.618
201.01		
201.02		
201.05		27.619
201.14	26.45	27.621
201.24	26.452	27.622
201.34	26.453	27.624
201.44	26.455	27.626
201.54	26.456	27.629
201.64	26.458	27.63
201.74	26.459	27.632
201.84	26.461	27.634
201.94	26.462	27.636
202.	26.463	27.637
202.01		
202.02		
202.05		27.638

202.14	26.464	27.641
202.24	26.465	27.644
202.34	26.467	27.648
202.44	26.468	27.651
202.54	26.469	27.655
202.64	26.47	27.659
202.74	26.471	27.664
202.84	26.472	27.668
202.94	26.474	27.673
203.	26.475	27.676
203.01		
203.02		27.677
203.05		27.678
203.14	26.477	27.682
203.24	26.478	27.686
203.34	26.48	27.69
203.44	26.481	27.694
203.54	26.483	27.697
203.64	26.484	27.701
203.74	26.485	27.705
203.84	26.487	27.708
203.94	26.488	27.712
204.	26.489	27.714
204.01		27.715
204.02		
204.05	26.49	27.716
204.14	26.491	27.72
204.24	26.492	27.724
204.34	26.493	27.729
204.44	26.495	27.733
204.54	26.496	27.738
204.64	26.497	27.742
204.74	26.498	27.747
204.84	26.499	27.752
204.94	26.5	27.756
205.	26.501	27.759
205.01		27.76
205.02		
205.05		27.762
205.14	26.502	27.767
205.24	26.504	27.773
205.34	26.505	27.78
205.44	26.506	27.786
205.54	26.507	27.793
205.64	26.508	27.8
205.74	26.509	27.807
205.84	26.511	27.815
205.94	26.512	27.822

206.	26.513	27.827
206.01		27.828
206.02		27.829
206.05	26.514	27.831
206.14	26.515	27.838
206.24	26.517	27.845
206.34	26.518	27.853
206.44	26.52	27.861
206.54	26.522	27.869
206.64	26.523	27.877
206.74	26.525	27.885
206.84	26.527	27.893
206.94	26.528	27.902
207.	26.529	27.907
207.01		27.908
207.02	26.53	
207.05		27.911
207.14	26.532	27.919
207.24	26.533	27.928
207.34	26.535	27.936
207.44	26.537	27.946
207.54	26.539	27.955
207.64	26.54	27.964
207.74	26.542	27.974
207.84	26.544	27.983
207.94	26.546	27.993
208.	26.547	27.999
208.01		28.
208.02		28.001
208.05	26.548	28.004
208.14	26.549	28.013
208.24	26.551	28.023
208.34	26.553	28.034
208.44	26.554	28.044
208.54	26.556	28.055
208.64	26.558	28.066
208.74	26.56	28.077
208.84	26.561	28.088
208.94	26.563	28.099
209.	26.564	28.106
209.01		28.107
209.02	26.565	28.108
209.05		28.112
209.14	26.567	28.123
209.24	26.568	28.135
209.34	26.57	28.148
209.44	26.572	28.161
209.54	26.574	28.174

209.64	26.576	28.188
209.74	26.578	28.202
209.84	26.58	28.216
209.94	26.582	28.23
210.	26.583	28.238
210.01		28.24
210.02		28.241
210.05	26.584	28.246
210.14	26.586	28.26
210.24	26.588	28.277
210.34	26.59	28.294
210.44	26.593	28.312
210.54	26.595	28.33
210.64	26.598	28.349
210.74	26.601	28.368
210.84	26.604	28.388
210.94	26.607	28.408
211.	26.609	28.42
211.01	26.61	28.422
211.02		28.424
211.05	26.611	28.429
211.14	26.614	28.446
211.24	26.618	28.463
211.34	26.622	28.48
211.44	26.626	28.497
211.54	26.629	28.514
211.64	26.633	28.53
211.74	26.637	28.547
211.84	26.64	28.563
211.94	26.643	28.579
212.	26.645	28.589
212.01	26.646	28.591
212.02		28.592
212.05	26.647	28.597
212.14	26.649	28.612
212.24	26.652	28.63
212.34	26.655	28.647
212.44	26.658	28.665
212.54	26.66	28.682
212.64	26.663	28.7
212.74	26.665	28.718
212.84	26.667	28.736
212.94	26.669	28.754
213.	26.671	28.765
213.01		28.767
213.02		28.769
213.05	26.672	28.775
213.14	26.673	28.796

213.24	26.676	28.82
213.34	26.678	28.845
213.44	26.68	28.871
213.54	26.683	28.899
213.64	26.685	28.927
213.74	26.688	28.956
213.84	26.692	28.986
213.94	26.696	29.017
214.	26.698	29.035
214.01	26.699	29.038
214.02		29.041
214.05	26.7	29.05
214.14	26.704	29.075
214.24	26.709	29.101
214.34	26.714	29.127
214.44	26.719	29.153
214.54	26.724	29.178
214.64	26.729	29.204
214.74	26.734	29.229
214.84	26.739	29.254
214.94	26.744	29.278
215.	26.746	29.293
215.01	26.747	29.296
215.02		29.298
215.05	26.749	29.306
215.14	26.753	29.329
215.24	26.757	29.356
215.34	26.761	29.382
215.44	26.765	29.409
215.54	26.769	29.436
215.64	26.773	29.463
215.74	26.777	29.49
215.84	26.78	29.518
215.94	26.784	29.546
216.	26.786	29.562
216.01	26.787	29.565
216.02		29.568
216.05	26.788	29.577
216.14	26.791	29.603
216.24	26.795	29.634
216.34	26.798	29.665
216.44	26.801	29.697
216.54	26.805	29.729
216.64	26.809	29.762
216.74	26.812	29.795
216.84	26.816	29.828
216.94	26.82	29.863
217.	26.822	29.883

217.01	26.823	29.887
217.02		29.89
217.05	26.824	29.9
217.14	26.828	29.93
217.24	26.832	29.963
217.34	26.836	29.996
217.44	26.841	30.029
217.54	26.845	30.062
217.64	26.849	30.095
217.74	26.853	30.128
217.84	26.857	30.161
217.94	26.861	30.194
218.	26.863	30.215
218.01	26.864	30.218
218.02		30.221
218.05	26.865	30.231
218.14	26.868	30.262
218.24	26.872	30.297
218.34	26.876	30.332
218.44	26.879	30.367
218.54	26.883	30.403
218.64	26.886	30.438
218.74	26.889	30.475
218.84	26.893	30.511
218.94	26.896	30.547
219.	26.898	30.569
219.01		30.573
219.02		30.577
219.05	26.899	30.588
219.14	26.902	30.623
219.24	26.905	30.662
219.34	26.908	30.702
219.44	26.912	30.742
219.54	26.915	30.783
219.64	26.918	30.824
219.74	26.922	30.866
219.84	26.925	30.909
219.94	26.929	30.952
220.	26.931	30.978
220.01		30.982
220.02	26.932	30.986
220.05	26.933	30.999
220.14	26.936	31.037
220.24	26.94	31.079
220.34	26.944	31.121
220.44	26.948	31.163
220.54	26.952	31.205
220.64	26.956	31.248

220.74	26.959	31.29
220.84	26.963	31.333
220.94	26.967	31.376
221.	26.969	31.401
221.01		31.406
221.02		31.41
221.05	26.97	31.423
221.14	26.974	31.464
221.24	26.977	31.51
221.34	26.98	31.557
221.44	26.984	31.604
221.54	26.987	31.652
221.64	26.991	31.7
221.74	26.994	31.749
221.84	26.998	31.799
221.94	27.002	31.849
222.	27.004	31.879
222.01		31.884
222.02	27.005	31.889
222.05	27.006	31.905
222.14	27.009	31.951
222.24	27.013	32.003
222.34	27.018	32.056
222.44	27.022	32.109
222.54	27.026	32.163
222.64	27.031	32.218
222.74	27.036	32.273
222.84	27.041	32.329
222.94	27.046	32.385
223.	27.049	32.419
223.01		32.425
223.02	27.05	32.43
223.05	27.052	32.447
223.14	27.056	32.498
223.24	27.062	32.556
223.34	27.068	32.614
223.44	27.073	32.672
223.54	27.079	32.731
223.64	27.085	32.79
223.74	27.091	32.85
223.84	27.098	32.91
223.94	27.104	32.971
224.	27.108	33.007
224.01		33.013
224.02	27.109	33.019
224.05	27.111	33.038
224.14	27.117	33.095
224.24	27.124	33.16

224.34	27.131	33.226
224.44	27.138	33.292
224.54	27.145	33.36
224.64	27.153	33.428
224.74	27.16	33.498
224.84	27.169	33.568
224.94	27.177	33.638
225.	27.182	33.681
225.01	27.183	33.688
225.02	27.184	33.695
225.05	27.187	33.716
225.14	27.195	33.779
225.24	27.204	33.848
225.34	27.213	33.917
225.44	27.223	33.986
225.54	27.232	34.056
225.64	27.242	34.125
225.74	27.252	34.195
225.84	27.261	34.265
225.94	27.271	34.335
226.	27.277	34.378
226.01	27.278	34.385
226.02	27.279	34.392
226.05	27.282	34.413
226.14	27.29	34.479
226.24	27.3	34.553
226.34	27.309	34.628
226.44	27.319	34.704
226.54	27.329	34.78
226.64	27.339	34.857
226.74	27.349	34.935
226.84	27.359	35.014
226.94	27.369	35.093
227.	27.375	35.141
227.01	27.376	35.149
227.02	27.378	35.157
227.05	27.381	35.181
227.14	27.39	35.254
227.24	27.401	35.336
227.34	27.412	35.42
227.44	27.424	35.504
227.54	27.435	35.588
227.64	27.447	35.674
227.74	27.459	35.761
227.84	27.471	35.848
227.94	27.484	35.936
228.	27.492	35.989
228.01	27.493	35.998

228.02	27.494	36.007
228.05	27.498	36.033
228.14	27.51	36.111
228.24	27.523	36.197
228.34	27.536	36.284
228.44	27.55	36.37
228.54	27.564	36.457
228.64	27.577	36.543
228.74	27.591	36.63
228.84	27.604	36.718
228.94	27.618	36.805
229.	27.626	36.858
229.01	27.627	36.866
229.02	27.628	36.875
229.05	27.632	36.902
229.14	27.644	36.985
229.24	27.658	37.079
229.34	27.671	37.174
229.44	27.685	37.271
229.54	27.698	37.368
229.64	27.713	37.467
229.74	27.727	37.567
229.84	27.742	37.667
229.94	27.757	37.769
230.	27.766	37.831
230.01	27.767	37.841
230.02	27.769	37.851
230.05	27.773	37.881
230.14	27.788	37.971
230.24	27.803	38.07
230.34	27.82	38.169
230.44	27.836	38.268
230.54	27.852	38.368
230.64	27.868	38.467
230.74	27.885	38.567
230.84	27.901	38.667
230.94	27.917	38.767
231.	27.927	38.827
231.01	27.929	38.838
231.02	27.93	38.848
231.05	27.935	38.878
231.14	27.95	38.969
231.24	27.966	39.071
231.34	27.982	39.173
231.44	27.997	39.275
231.54	28.013	39.378
231.64	28.029	39.482
231.74	28.045	39.585

231.84	28.06	39.69
231.94	28.076	39.794
232.	28.085	39.857
232.01	28.087	39.867
232.02	28.088	39.878
232.05	28.093	39.909
232.14	28.107	40.003
232.24	28.122	40.108
232.34	28.137	40.213
232.44	28.152	40.318
232.54	28.167	40.423
232.64	28.182	40.528
232.74	28.196	40.634
232.84	28.211	40.74
232.94	28.225	40.846
233.	28.233	40.91
233.01	28.235	40.92
233.02	28.236	40.931
233.05	28.24	40.963
233.14	28.253	41.058
233.24	28.267	41.165
233.34	28.28	41.272
233.44	28.294	41.378
233.54	28.307	41.485
233.64	28.32	41.593
233.74	28.332	41.7
233.84	28.345	41.808
233.94	28.357	41.916
234.	28.364	41.98
234.01	28.365	41.991
234.02	28.366	42.002
234.05	28.37	42.034
234.14	28.381	42.132
234.24	28.392	42.242
234.34	28.403	42.351
234.44	28.415	42.462
234.54	28.425	42.572
234.64	28.436	42.683
234.74	28.447	42.794
234.84	28.457	42.905
234.94	28.467	43.017
235.	28.473	43.084
235.01	28.474	43.095
235.02	28.475	43.107
235.05	28.478	43.141
235.14	28.487	43.245
235.24	28.497	43.362
235.34	28.507	43.48

235.44	28.516	43.599
235.54	28.526	43.719
235.64	28.536	43.84
235.74	28.546	43.962
235.84	28.556	44.085
235.94	28.566	44.208
236.	28.573	44.283
236.01	28.574	44.295
236.02	28.575	44.308
236.05	28.578	44.345
236.14	28.587	44.458
236.24	28.598	44.583
236.34	28.609	44.71
236.44	28.62	44.838
236.54	28.632	44.966
236.64	28.643	45.095
236.74	28.655	45.224
236.84	28.667	45.355
236.94	28.679	45.486
237.	28.686	45.565
237.01	28.688	45.578
237.02	28.689	45.592
237.05	28.693	45.631
237.14	28.704	45.749
237.24	28.716	45.88
237.34	28.729	46.012
237.44	28.742	46.144
237.54	28.755	46.277
237.64	28.768	46.41
237.74	28.78	46.543
237.84	28.793	46.677
237.94	28.806	46.811
238.	28.814	46.892
238.01	28.815	46.905
238.02	28.816	46.919
238.05	28.82	46.96
238.14	28.832	47.082
238.24	28.845	47.22
238.34	28.858	47.358
238.44	28.87	47.497
238.54	28.883	47.637
238.64	28.896	47.777
238.74	28.909	47.918
238.84	28.923	48.06
238.94	28.936	48.203
239.	28.944	48.289
239.01	28.945	48.303
239.02	28.946	48.317

239.05	28.95	48.361
239.14	28.963	48.491
239.24	28.976	48.637
239.34	28.99	48.784
239.44	29.003	48.932
239.54	29.017	49.08
239.64	29.032	49.23
239.74	29.046	49.38
239.84	29.06	49.532
239.94	29.075	49.684
240.	29.084	49.776
240.01	29.085	49.791
240.02	29.087	49.806
240.05	29.091	49.852
240.14	29.105	49.989
240.24	29.12	50.142
240.34	29.135	50.295
240.44	29.151	50.449
240.54	29.166	50.604
240.64	29.182	50.759
240.74	29.197	50.914
240.84	29.213	51.07
240.94	29.229	51.227
241.	29.238	51.321
241.01	29.24	51.337
241.02	29.241	51.353
241.05	29.246	51.399
241.14	29.26	51.538
241.24	29.276	51.691
241.34	29.292	51.843
241.44	29.307	51.996
241.54	29.323	52.148
241.64	29.339	52.299
241.74	29.354	52.451
241.84	29.37	52.602
241.94	29.385	52.754
242.	29.394	52.845
242.01	29.396	52.86
242.02	29.397	52.875
242.05	29.402	52.922
242.14	29.415	53.063
242.24	29.43	53.221
242.34	29.446	53.381
242.44	29.461	53.542
242.54	29.477	53.704
242.64	29.494	53.867
242.74	29.511	54.031
242.84	29.528	54.196

242.94	29.546	54.361
243.	29.557	54.461
243.01	29.559	54.477
243.02	29.561	54.494
243.05	29.567	54.542
243.14	29.584	54.683
243.24	29.603	54.837
243.34	29.623	54.99
243.44	29.642	55.14
243.54	29.662	55.289
243.64	29.681	55.437
243.74	29.7	55.584
243.84	29.718	55.73
243.94	29.736	55.875
244.	29.746	55.961
244.01	29.748	55.976
244.02	29.75	55.99
244.05	29.755	56.034
244.14	29.77	56.168
244.24	29.786	56.318
244.34	29.802	56.469
244.44	29.818	56.62
244.54	29.834	56.772
244.64	29.85	56.924
244.74	29.865	57.076
244.84	29.881	57.228
244.94	29.896	57.381
245.	29.906	57.473
245.01	29.907	57.488
245.02	29.909	57.503
245.05	29.914	57.55
245.14	29.928	57.689
245.24	29.943	57.845
245.34	29.959	58.002
245.44	29.976	58.159
245.54	29.992	58.317
245.64	30.009	58.475
245.74	30.026	58.634
245.84	30.043	58.794
245.94	30.061	58.954
246.	30.072	59.05
246.01	30.073	59.066
246.02	30.075	59.081
246.05	30.081	59.128
246.14	30.097	59.268
246.24	30.116	59.421
246.34	30.134	59.573
246.44	30.153	59.724

246.54	30.172	59.875
246.64	30.19	60.025
246.74	30.208	60.174
246.84	30.226	60.322
246.94	30.244	60.47
247.	30.255	60.558
247.01	30.256	60.573
247.02	30.258	60.588
247.05	30.263	60.633
247.14	30.279	60.771
247.24	30.296	60.927
247.34	30.313	61.083
247.44	30.331	61.24
247.54	30.348	61.399
247.64	30.366	61.558
247.74	30.384	61.718
247.84	30.402	61.879
247.94	30.421	62.04
248.	30.432	62.137
248.01	30.434	62.153
248.02	30.436	62.169
248.05	30.442	62.216
248.14	30.459	62.354
248.24	30.479	62.506
248.34	30.499	62.655
248.44	30.518	62.804
248.54	30.538	62.951
248.64	30.557	63.096
248.74	30.575	63.241
248.84	30.594	63.385
248.94	30.611	63.528
249.	30.622	63.614
249.01	30.624	63.628
249.02	30.625	63.642
249.05	30.631	63.686
249.14	30.646	63.817
249.24	30.662	63.963
249.34	30.678	64.11
249.44	30.694	64.257
249.54	30.709	64.404
249.64	30.724	64.551
249.74	30.74	64.698
249.84	30.755	64.845
249.94	30.769	64.992
250.	30.778	65.08
250.01	30.78	65.095
250.02	30.781	65.11
250.05	30.786	65.154

250.14	30.799	65.286
250.24	30.813	65.433
250.34	30.828	65.581
250.44	30.842	65.728
250.54	30.857	65.875
250.64	30.871	66.022
250.74	30.885	66.168
250.84	30.899	66.315
250.94	30.914	66.462
251.	30.922	66.55
251.01	30.924	66.565
251.02	30.925	66.579
251.05	30.929	66.624
251.14	30.942	66.757
251.24	30.956	66.905
251.34	30.97	67.053
251.44	30.984	67.202
251.54	30.998	67.35
251.64	31.013	67.499
251.74	31.027	67.648
251.84	31.042	67.798
251.94	31.056	67.947
252.	31.065	68.037
252.01	31.066	68.051
252.02	31.068	68.066
252.05	31.072	68.11
252.14	31.085	68.242
252.24	31.1	68.386
252.34	31.115	68.53
252.44	31.129	68.673
252.54	31.143	68.816
252.64	31.157	68.958
252.74	31.171	69.099
252.84	31.185	69.24
252.94	31.198	69.38
253.	31.206	69.464
253.01	31.207	69.478
253.02	31.209	69.492
253.05	31.212	69.535
253.14	31.224	69.664
253.24	31.236	69.808
253.34	31.249	69.953
253.44	31.261	70.099
253.54	31.274	70.245
253.64	31.286	70.392
253.74	31.299	70.538
253.84	31.311	70.685
253.94	31.324	70.833

254.	31.332	70.921
254.01	31.333	70.936
254.02	31.334	70.951
254.05	31.338	70.995
254.14	31.35	71.126
254.24	31.363	71.272
254.34	31.376	71.418
254.44	31.39	71.563
254.54	31.403	71.709
254.64	31.416	71.854
254.74	31.43	71.999
254.84	31.443	72.145
254.94	31.457	72.29
255.	31.465	72.377
255.01	31.466	72.391
255.02	31.468	72.406
255.05	31.472	72.449
255.14	31.484	72.581
255.24	31.497	72.726
255.34	31.511	72.872
255.44	31.524	73.018
255.54	31.538	73.164
255.64	31.552	73.311
255.74	31.565	73.457
255.84	31.579	73.603
255.94	31.593	73.75
256.	31.601	73.838
256.01	31.603	73.852
256.02	31.604	73.867
256.05	31.608	73.912
256.14	31.621	74.046
256.24	31.635	74.197
256.34	31.649	74.349
256.44	31.664	74.501
256.54	31.679	74.654
256.64	31.694	74.808
256.74	31.709	74.963
256.84	31.726	75.118
256.94	31.742	75.274
257.	31.752	75.367
257.01	31.754	75.383
257.02	31.755	75.398
257.05	31.76	75.444
257.14	31.776	75.581
257.24	31.793	75.732
257.34	31.811	75.882
257.44	31.829	76.031
257.54	31.847	76.181

257.64	31.865	76.329
257.74	31.883	76.478
257.84	31.901	76.626
257.94	31.918	76.773
258.	31.929	76.862
258.01	31.931	76.877
258.02	31.933	76.891
258.05	31.938	76.936
258.14	31.954	77.069
258.24	31.971	77.216
258.34	31.989	77.364
258.44	32.006	77.511
258.54	32.024	77.659
258.64	32.041	77.806
258.74	32.058	77.953
258.84	32.075	78.1
258.94	32.092	78.247
259.	32.102	78.335
259.01	32.104	78.35
259.02	32.106	78.365
259.05	32.111	78.41
259.14	32.126	78.544
259.24	32.143	78.694
259.34	32.16	78.845
259.44	32.177	78.996
259.54	32.194	79.148
259.64	32.211	79.3
259.74	32.229	79.453
259.84	32.247	79.606
259.94	32.265	79.759
260.	32.276	79.851
260.01	32.277	79.867
260.02	32.279	79.882
260.05	32.285	79.927
260.14	32.301	80.06
260.24	32.32	80.206
260.34	32.338	80.35
260.44	32.357	80.494
260.54	32.375	80.636
260.64	32.392	80.778
260.74	32.41	80.919
260.84	32.427	81.059
260.94	32.444	81.198
261.	32.454	81.282
261.01	32.455	81.296
261.02	32.457	81.31
261.05	32.462	81.352
261.14	32.476	81.481

261.24	32.492	81.625
261.34	32.508	81.77
261.44	32.523	81.916
261.54	32.538	82.062
261.64	32.554	82.208
261.74	32.569	82.355
261.84	32.584	82.501
261.94	32.6	82.649
262.	32.609	82.737
262.01	32.611	82.752
262.02	32.612	82.766
262.05	32.617	82.81
262.14	32.631	82.942
262.24	32.647	83.088
262.34	32.663	83.234
262.44	32.679	83.38
262.54	32.695	83.526
262.64	32.711	83.672
262.74	32.727	83.818
262.84	32.743	83.963
262.94	32.759	84.109
263.	32.769	84.196
263.01	32.77	84.211
263.02	32.772	84.225
263.05	32.777	84.269
263.14	32.792	84.399
263.24	32.808	84.543
263.34	32.824	84.687
263.44	32.84	84.831
263.54	32.856	84.975
263.64	32.872	85.118
263.74	32.888	85.261
263.84	32.904	85.404
263.94	32.919	85.547
264.	32.929	85.632
264.01	32.93	85.647
264.02	32.932	85.661
264.05	32.937	85.704
264.14	32.951	85.834
264.24	32.966	85.979
264.34	32.982	86.125
264.44	32.997	86.271
264.54	33.013	86.417
264.64	33.028	86.564
264.74	33.044	86.71
264.84	33.06	86.857
264.94	33.075	87.004
265.	33.085	87.093

265.01	33.087	87.107
265.02	33.088	87.122
265.05	33.093	87.165
265.14	33.107	87.294
265.24	33.124	87.435
265.34	33.14	87.575
265.44	33.155	87.714
265.54	33.171	87.853
265.64	33.186	87.991
265.74	33.201	88.127
265.84	33.216	88.264
265.94	33.23	88.399
266.	33.238	88.48
266.01	33.24	88.494
266.02	33.241	88.508
266.05	33.245	88.55
266.14	33.257	88.676
266.24	33.271	88.819
266.34	33.284	88.963
266.44	33.297	89.107
266.54	33.31	89.253
266.64	33.324	89.399
266.74	33.337	89.546
266.84	33.351	89.693
266.94	33.365	89.841
267.	33.373	89.93
267.01	33.375	89.945
267.02	33.376	89.959
267.05	33.381	90.003
267.14	33.394	90.134
267.24	33.409	90.279
267.34	33.424	90.424
267.44	33.439	90.568
267.54	33.454	90.712
267.64	33.469	90.855
267.74	33.485	90.999
267.84	33.5	91.142
267.94	33.515	91.285
268.	33.524	91.371
268.01	33.526	91.386
268.02	33.527	91.4
268.05	33.532	91.443
268.14	33.546	91.574
268.24	33.561	91.719
268.34	33.577	91.864
268.44	33.592	92.01
268.54	33.607	92.156
268.64	33.623	92.302

268.74	33.639	92.448
268.84	33.655	92.595
268.94	33.671	92.742
269.	33.68	92.83
269.01	33.682	92.845
269.02	33.683	92.859
269.05	33.688	92.903
269.14	33.703	93.036
269.24	33.719	93.183
269.34	33.736	93.331
269.44	33.753	93.479
269.54	33.77	93.627
269.64	33.787	93.775
269.74	33.804	93.924
269.84	33.821	94.073
269.94	33.839	94.221
270.	33.849	94.311
270.01	33.851	94.326
270.02	33.853	94.341
270.05	33.858	94.385
270.14	33.874	94.519
270.24	33.892	94.668
270.34	33.91	94.817
270.44	33.929	94.966
270.54	33.947	95.115
270.64	33.966	95.265
270.74	33.984	95.414
270.84	34.003	95.564
270.94	34.022	95.714
271.	34.034	95.803
271.01	34.036	95.818
271.02	34.037	95.833
271.05	34.043	95.878
271.14	34.061	96.012
271.24	34.08	96.16
271.34	34.099	96.308
271.44	34.119	96.456
271.54	34.138	96.603
271.64	34.158	96.75
271.74	34.178	96.898
271.84	34.197	97.045
271.94	34.216	97.192
272.	34.228	97.28
272.01	34.23	97.295
272.02	34.232	97.309
272.05	34.238	97.353
272.14	34.255	97.485
272.24	34.275	97.631

272.34	34.294	97.777
272.44	34.313	97.923
272.54	34.332	98.069
272.64	34.352	98.214
272.74	34.371	98.359
272.84	34.39	98.504
272.94	34.409	98.649
273.	34.42	98.736
273.01	34.422	98.751
273.02	34.424	98.765
273.05	34.43	98.808
273.14	34.447	98.935
273.24	34.465	99.076
273.34	34.484	99.215
273.44	34.502	99.354
273.54	34.52	99.492
273.64	34.537	99.629
273.74	34.554	99.766
273.84	34.571	99.901
273.94	34.587	100.04
274.	34.597	100.12
274.01	34.598	100.13
274.02	34.6	100.14
274.05	34.605	100.19
274.14	34.619	100.31
274.24	34.634	100.45
274.34	34.648	100.58
274.44	34.663	100.72
274.54	34.677	100.86
274.64	34.691	101.
274.74	34.705	101.13
274.84	34.718	101.27
274.94	34.732	101.41
275.	34.74	101.49
275.01	34.741	101.5
275.02	34.743	101.52
275.05	34.747	101.56
275.14	34.758	101.68
275.24	34.772	101.82
275.34	34.785	101.95
275.44	34.797	102.09
275.54	34.81	102.23
275.64	34.823	102.36
275.74	34.835	102.5
275.84	34.848	102.64
275.94	34.86	102.77
276.	34.867	102.85
276.01	34.868	102.87

276.02	34.87	102.88
276.05	34.873	102.92
276.14	34.884	103.04
276.24	34.896	103.18
276.34	34.908	103.31
276.44	34.919	103.45
276.54	34.931	103.59
276.64	34.942	103.72
276.74	34.954	103.86
276.84	34.965	103.99
276.94	34.976	104.13
277.	34.983	104.21
277.01	34.984	104.22
277.02	34.985	104.24
277.05	34.989	104.28
277.14	34.999	104.4
277.24	35.01	104.53
277.34	35.021	104.67
277.44	35.032	104.8
277.54	35.043	104.94
277.64	35.054	105.07
277.74	35.064	105.21
277.84	35.075	105.34
277.94	35.086	105.47
278.	35.092	105.55
278.01	35.093	105.57
278.02	35.094	105.58
278.05	35.098	105.62
278.14	35.107	105.74
278.24	35.118	105.88
278.34	35.129	106.01
278.44	35.139	106.15
278.54	35.15	106.28
278.64	35.16	106.42
278.74	35.171	106.56
278.84	35.182	106.69
278.94	35.193	106.83
279.	35.199	106.91
279.01	35.2	106.92
279.02	35.201	106.93
279.05	35.204	106.98
279.14	35.214	107.1
279.24	35.225	107.23
279.34	35.235	107.37
279.44	35.246	107.5
279.54	35.257	107.64
279.64	35.268	107.77
279.74	35.279	107.91

279.84	35.29	108.04
279.94	35.3	108.18
280.	35.307	108.26
280.01	35.308	108.27
280.02	35.309	108.28
280.05	35.312	108.32
280.14	35.322	108.45
280.24	35.333	108.58
280.34	35.344	108.72
280.44	35.355	108.86
280.54	35.367	108.99
280.64	35.378	109.13
280.74	35.389	109.27
280.84	35.401	109.4
280.94	35.412	109.54
281.	35.419	109.62
281.01	35.421	109.64
281.02	35.422	109.65
281.05	35.425	109.69
281.14	35.436	109.82
281.24	35.448	109.95
281.34	35.46	110.09
281.44	35.472	110.23
281.54	35.485	110.37
281.64	35.497	110.5
281.74	35.509	110.64
281.84	35.522	110.78
281.94	35.535	110.91
282.	35.542	111.
282.01	35.543	111.01
282.02	35.545	111.02
282.05	35.549	111.07
282.14	35.56	111.19
282.24	35.573	111.33
282.34	35.586	111.47
282.44	35.599	111.61
282.54	35.612	111.74
282.64	35.625	111.88
282.74	35.639	112.02
282.84	35.652	112.16
282.94	35.666	112.3
283.	35.674	112.38
283.01	35.676	112.4
283.02	35.677	112.41
283.05	35.681	112.45
283.14	35.693	112.58
283.24	35.707	112.72
283.34	35.721	112.86

283.44	35.735	112.99
283.54	35.75	113.13
283.64	35.764	113.27
283.74	35.778	113.41
283.84	35.792	113.55
283.94	35.807	113.69
284.	35.816	113.77
284.01	35.817	113.79
284.02	35.818	113.8
284.05	35.823	113.84
284.14	35.836	113.97
284.24	35.851	114.11
284.34	35.865	114.25
284.44	35.88	114.39
284.54	35.895	114.53
284.64	35.91	114.67
284.74	35.925	114.81
284.84	35.941	114.96
284.94	35.956	115.1
285.	35.966	115.18
285.01	35.967	115.2
285.02	35.969	115.21
285.05	35.973	115.25
285.14	35.988	115.38
285.24	36.004	115.52
285.34	36.02	115.66
285.44	36.036	115.81
285.54	36.052	115.95
285.64	36.069	116.09
285.74	36.085	116.23
285.84	36.101	116.37
285.94	36.118	116.51
286.	36.128	116.59
286.01	36.129	116.61
286.02	36.131	116.62
286.05	36.136	116.66
286.14	36.151	116.79
286.24	36.168	116.94
286.34	36.184	117.08
286.44	36.201	117.23
286.54	36.219	117.37
286.64	36.236	117.52
286.74	36.254	117.66
286.84	36.272	117.81
286.94	36.29	117.96
287.	36.302	118.04
287.01	36.303	118.06
287.02	36.305	118.07

287.05	36.311	118.12
287.14	36.328	118.25
287.24	36.347	118.39
287.34	36.366	118.53
287.44	36.386	118.67
287.54	36.405	118.81
287.64	36.425	118.95
287.74	36.444	119.09
287.84	36.463	119.23
287.94	36.482	119.36
288.	36.494	119.45
288.01	36.495	119.46
288.02	36.497	119.47
288.05	36.503	119.52
288.14	36.52	119.64
288.24	36.539	119.78
288.34	36.557	119.92
288.44	36.576	120.06
288.54	36.594	120.2
288.64	36.613	120.34
288.74	36.631	120.47
288.84	36.649	120.61
288.94	36.668	120.75
289.	36.679	120.84
289.01	36.68	120.85
289.02	36.682	120.86
289.05	36.688	120.9
289.14	36.704	121.03
289.24	36.722	121.17
289.34	36.74	121.31
289.44	36.758	121.44
289.54	36.776	121.58
289.64	36.793	121.72
289.74	36.811	121.86
289.84	36.829	121.99
289.94	36.846	122.13
290.	36.856	122.21
290.01	36.858	122.23
290.02	36.86	122.24
290.05	36.865	122.28
290.14	36.881	122.41
290.24	36.898	122.54
290.34	36.915	122.68
290.44	36.932	122.81
290.54	36.949	122.95
290.64	36.966	123.09
290.74	36.983	123.22
290.84	37.	123.36

290.94	37.016	123.49
291.	37.026	123.58
291.01	37.028	123.59
291.02	37.03	123.6
291.05	37.035	123.64
291.14	37.05	123.76
291.24	37.066	123.9
291.34	37.083	124.03
291.44	37.099	124.16
291.54	37.116	124.3
291.64	37.132	124.43
291.74	37.148	124.56
291.84	37.164	124.69
291.94	37.18	124.82
292.	37.189	124.9
292.01	37.191	124.92
292.02	37.192	124.93
292.05	37.197	124.97
292.14	37.211	125.09
292.24	37.226	125.22
292.34	37.242	125.36
292.44	37.257	125.49
292.54	37.273	125.63
292.64	37.288	125.77
292.74	37.304	125.9
292.84	37.32	126.04
292.94	37.336	126.18
293.	37.346	126.26
293.01	37.347	126.27
293.02	37.349	126.29
293.05	37.354	126.33
293.14	37.369	126.45
293.24	37.385	126.58
293.34	37.402	126.72
293.44	37.418	126.85
293.54	37.435	126.99
293.64	37.452	127.12
293.74	37.468	127.26
293.84	37.485	127.39
293.94	37.502	127.52
294.	37.511	127.6
294.01	37.513	127.62
294.02	37.515	127.63
294.05	37.52	127.67
294.14	37.535	127.8
294.24	37.551	127.94
294.34	37.568	128.08
294.44	37.585	128.22

294.54	37.602	128.36
294.64	37.619	128.5
294.74	37.637	128.64
294.84	37.655	128.79
294.94	37.674	128.93
295.	37.685	129.02
295.01	37.687	129.03
295.02	37.689	129.05
295.05	37.695	129.09
295.14	37.712	129.24
295.24	37.733	129.41
295.34	37.754	129.59
295.44	37.778	129.77
295.54	37.803	129.95
295.64	37.83	130.14
295.74	37.859	130.33
295.84	37.891	130.52
295.94	37.925	130.72
296.	37.947	130.84
296.01	37.95	130.86
296.02	37.954	130.88
296.05	37.965	130.94
296.14	38.	131.09
296.24	38.04	131.26
296.34	38.082	131.42
296.44	38.124	131.57
296.54	38.167	131.72
296.64	38.209	131.87
296.74	38.25	132.02
296.84	38.292	132.16
296.94	38.332	132.3
297.	38.356	132.39
297.01	38.359	132.4
297.02	38.363	132.42
297.05	38.375	132.46
297.14	38.41	132.58
297.24	38.447	132.72
297.34	38.483	132.86
297.44	38.518	133.
297.54	38.552	133.14
297.64	38.586	133.27
297.74	38.618	133.41
297.84	38.649	133.54
297.94	38.68	133.67
298.	38.697	133.75
298.01	38.7	133.76
298.02	38.703	133.78
298.05	38.712	133.82

298.14	38.738	133.95
298.24	38.766	134.11
298.34	38.794	134.26
298.44	38.822	134.42
298.54	38.851	134.59
298.64	38.881	134.75
298.74	38.911	134.92
298.84	38.942	135.09
298.94	38.975	135.26
299.	38.995	135.37
299.01	38.998	135.38
299.02	39.001	135.4
299.05	39.011	135.45
299.14	39.043	135.6
299.24	39.078	135.76
299.34	39.115	135.93
299.44	39.152	136.09
299.54	39.189	136.25
299.64	39.227	136.41
299.74	39.266	136.57
299.84	39.304	136.73
299.94	39.343	136.89
300.	39.366	136.98
300.01	39.37	137.
300.02	39.374	137.01
300.05	39.386	137.06
300.14	39.421	137.2
300.24	39.46	137.36
300.34	39.5	137.52
300.44	39.539	137.67
300.54	39.578	137.83
300.64	39.617	137.98
300.74	39.656	138.14
300.84	39.695	138.29
300.94	39.734	138.44
301.	39.757	138.54
301.01	39.761	138.55
301.02	39.765	138.57
301.05	39.776	138.61
301.14	39.811	138.75
301.24	39.849	138.89
301.34	39.887	139.04
301.44	39.924	139.18
301.54	39.961	139.32
301.64	39.997	139.46
301.74	40.032	139.6
301.84	40.067	139.74
301.94	40.101	139.87

302.	40.121	139.95
302.01	40.125	139.97
302.02	40.128	139.98
302.05	40.138	140.03
302.14	40.168	140.17
302.24	40.2	140.34
302.34	40.233	140.51
302.44	40.267	140.68
302.54	40.302	140.86
302.64	40.337	141.04
302.74	40.375	141.23
302.84	40.414	141.41
302.94	40.455	141.6
303.	40.48	141.72
303.01	40.484	141.74
303.02	40.488	141.76
303.05	40.501	141.82
303.14	40.541	141.99
303.24	40.588	142.19
303.34	40.636	142.39
303.44	40.686	142.59
303.54	40.738	142.79
303.64	40.792	142.99
303.74	40.848	143.2
303.84	40.906	143.41
303.94	40.966	143.62
304.	41.002	143.75
304.01	41.008	143.77
304.02	41.014	143.79
304.05	41.033	143.85
304.14	41.09	144.03
304.24	41.155	144.23
304.34	41.221	144.42
304.44	41.288	144.62
304.54	41.355	144.81
304.64	41.424	145.
304.74	41.492	145.19
304.84	41.561	145.39
304.94	41.63	145.58
305.	41.672	145.69
305.01	41.679	145.71
305.02	41.686	145.73
305.05	41.707	145.78
305.14	41.769	145.95
305.24	41.839	146.12
305.34	41.908	146.3
305.44	41.976	146.47
305.54	42.044	146.64

305.64	42.112	146.8
305.74	42.178	146.97
305.84	42.244	147.13
305.94	42.309	147.3
306.	42.347	147.39
306.01	42.354	147.41
306.02	42.36	147.43
306.05	42.379	147.47
306.14	42.436	147.62
306.24	42.498	147.78
306.34	42.559	147.93
306.44	42.619	148.09
306.54	42.678	148.24
306.64	42.736	148.4
306.74	42.793	148.55
306.84	42.848	148.7
306.94	42.903	148.85
307.	42.935	148.93
307.01	42.94	148.95
307.02	42.946	148.96
307.05	42.962	149.01
307.14	43.008	149.14
307.24	43.059	149.28
307.34	43.109	149.42
307.44	43.157	149.56
307.54	43.204	149.7
307.64	43.25	149.84
307.74	43.294	149.98
307.84	43.337	150.11
307.94	43.378	150.24
308.	43.403	150.32
308.01	43.407	150.34
308.02	43.411	150.35
308.05	43.423	150.39
308.14	43.458	150.51
308.24	43.495	150.65
308.34	43.532	150.79
308.44	43.568	150.93
308.54	43.603	151.07
308.64	43.638	151.21
308.74	43.672	151.35
308.84	43.706	151.48
308.94	43.739	151.62
309.	43.759	151.7
309.01	43.763	151.72
309.02	43.766	151.73
309.05	43.776	151.77
309.14	43.805	151.9

309.24	43.838	152.05
309.34	43.871	152.19
309.44	43.903	152.33
309.54	43.936	152.48
309.64	43.969	152.63
309.74	44.002	152.77
309.84	44.035	152.92
309.94	44.068	153.07
310.	44.088	153.15
310.01	44.091	153.17
310.02	44.094	153.18
310.05	44.104	153.23
310.14	44.134	153.35
310.24	44.168	153.49
310.34	44.201	153.62
310.44	44.234	153.76
310.54	44.266	153.89
310.64	44.298	154.02
310.74	44.329	154.15
310.84	44.36	154.28
310.94	44.389	154.4
311.	44.407	154.48
311.01	44.41	154.49
311.02	44.413	154.5
311.05	44.421	154.54
311.14	44.446	154.66
311.24	44.474	154.79
311.34	44.501	154.93
311.44	44.527	155.06
311.54	44.554	155.19
311.64	44.58	155.33
311.74	44.606	155.46
311.84	44.632	155.59
311.94	44.657	155.73
312.	44.673	155.81
312.01	44.676	155.82
312.02	44.678	155.83
312.05	44.686	155.87
312.14	44.709	156.
312.24	44.735	156.13
312.34	44.761	156.26
312.44	44.787	156.4
312.54	44.812	156.53
312.64	44.838	156.66
312.74	44.864	156.8
312.84	44.889	156.93
312.94	44.914	157.06
313.	44.93	157.14

313.01	44.932	157.16
313.02	44.935	157.17
313.05	44.942	157.21
313.14	44.965	157.33
313.24	44.99	157.47
313.34	45.016	157.61
313.44	45.041	157.74
313.54	45.066	157.88
313.64	45.092	158.02
313.74	45.118	158.16
313.84	45.144	158.3
313.94	45.17	158.44
314.	45.186	158.52
314.01	45.189	158.53
314.02	45.192	158.55
314.05	45.2	158.59
314.14	45.224	158.72
314.24	45.251	158.86
314.34	45.278	159.
314.44	45.306	159.14
314.54	45.334	159.28
314.64	45.362	159.43
314.74	45.391	159.57
314.84	45.42	159.71
314.94	45.45	159.86
315.	45.467	159.94
315.01	45.47	159.96
315.02	45.473	159.97
315.05	45.482	160.01
315.14	45.51	160.14
315.24	45.54	160.28
315.34	45.571	160.42
315.44	45.601	160.56
315.54	45.632	160.69
315.64	45.662	160.83
315.74	45.693	160.97
315.84	45.723	161.1
315.94	45.752	161.24
316.	45.77	161.32
316.01	45.773	161.33
316.02	45.776	161.35
316.05	45.785	161.39
316.14	45.812	161.52
316.24	45.841	161.66
316.34	45.87	161.8
316.44	45.899	161.95
316.54	45.929	162.09
316.64	45.958	162.24

316.74	45.988	162.39
316.84	46.017	162.54
316.94	46.047	162.69
317.	46.066	162.77
317.01	46.069	162.79
317.02	46.072	162.8
317.05	46.081	162.85
317.14	46.108	162.97
317.24	46.139	163.11
317.34	46.169	163.24
317.44	46.198	163.37
317.54	46.228	163.5
317.64	46.256	163.62
317.74	46.284	163.75
317.84	46.31	163.87
317.94	46.336	163.99
318.	46.352	164.07
318.01	46.354	164.08
318.02	46.357	164.09
318.05	46.364	164.13
318.14	46.386	164.24
318.24	46.409	164.36
318.34	46.431	164.48
318.44	46.452	164.6
318.54	46.473	164.72
318.64	46.493	164.84
318.74	46.513	164.96
318.84	46.532	165.08
318.94	46.55	165.2
319.	46.561	165.27
319.01	46.562	165.28
319.02	46.564	165.29
319.05	46.569	165.33
319.14	46.585	165.44
319.24	46.602	165.57
319.34	46.619	165.7
319.44	46.635	165.83
319.54	46.653	165.96
319.64	46.67	166.1
319.74	46.688	166.23
319.84	46.706	166.37
319.94	46.725	166.5
320.	46.737	166.59
320.01	46.739	166.6
320.02	46.741	166.61
320.05	46.747	166.65
320.14	46.765	166.77
320.24	46.786	166.9

320.34	46.807	167.03
320.44	46.828	167.16
320.54	46.849	167.28
320.64	46.869	167.41
320.74	46.89	167.54
320.84	46.91	167.66
320.94	46.93	167.79
321.	46.942	167.86
321.01	46.944	167.87
321.02	46.946	167.89
321.05	46.952	167.92
321.14	46.969	168.03
321.24	46.988	168.16
321.34	47.007	168.28
321.44	47.024	168.4
321.54	47.042	168.51
321.64	47.058	168.63
321.74	47.074	168.75
321.84	47.09	168.87
321.94	47.104	168.98
322.	47.113	169.05
322.01	47.114	169.07
322.02	47.116	169.08
322.05	47.12	169.11
322.14	47.132	169.22
322.24	47.145	169.34
322.34	47.158	169.46
322.44	47.17	169.58
322.54	47.181	169.7
322.64	47.193	169.82
322.74	47.204	169.94
322.84	47.215	170.06
322.94	47.226	170.18
323.	47.233	170.25
323.01	47.234	170.26
323.02	47.235	170.27
323.05	47.238	170.31
323.14	47.248	170.41
323.24	47.258	170.53
323.34	47.269	170.65
323.44	47.279	170.77
323.54	47.289	170.88
323.64	47.299	171.
323.74	47.308	171.12
323.84	47.318	171.23
323.94	47.327	171.35
324.	47.332	171.42
324.01	47.333	171.43

324.02	47.334	171.44
324.05	47.337	171.48
324.14	47.345	171.58
324.24	47.354	171.69
324.34	47.362	171.81
324.44	47.37	171.92
324.54	47.378	172.04
324.64	47.386	172.15
324.74	47.393	172.26
324.84	47.4	172.38
324.94	47.406	172.49
325.	47.41	172.56
325.01	47.411	172.57
325.02	47.412	172.58
325.05	47.414	172.61
325.14	47.419	172.72
325.24	47.425	172.83
325.34	47.43	172.94
325.44	47.435	173.06
325.54	47.441	173.17
325.64	47.445	173.28
325.74	47.45	173.4
325.84	47.455	173.51
325.94	47.459	173.62
326.	47.462	173.69
326.01		173.7
326.02	47.463	173.71
326.05	47.464	173.75
326.14	47.468	173.85
326.24	47.472	173.97
326.34	47.476	174.08
326.44	47.48	174.2
326.54	47.484	174.31
326.64	47.488	174.43
326.74	47.492	174.54
326.84	47.495	174.66
326.94	47.499	174.77
327.	47.502	174.84
327.01		174.86
327.02		174.87
327.05	47.504	174.9
327.14	47.507	175.01
327.24	47.511	175.12
327.34	47.515	175.24
327.44	47.519	175.35
327.54	47.523	175.47
327.64	47.527	175.58
327.74	47.531	175.7

327.84	47.535	175.81
327.94	47.539	175.93
328.	47.542	176.
328.01		176.01
328.02	47.543	176.02
328.05	47.544	176.06
328.14	47.548	176.16
328.24	47.552	176.28
328.34	47.557	176.39
328.44	47.561	176.51
328.54	47.566	176.63
328.64	47.57	176.74
328.74	47.575	176.86
328.84	47.58	176.97
328.94	47.585	177.09
329.	47.588	177.16
329.01		177.17
329.02	47.589	177.18
329.05	47.59	177.22
329.14	47.595	177.32
329.24	47.6	177.43
329.34	47.605	177.55
329.44	47.61	177.66
329.54	47.615	177.77
329.64	47.62	177.88
329.74	47.624	177.99
329.84	47.629	178.11
329.94	47.633	178.22
330.	47.635	178.28
330.01	47.636	178.29
330.02		178.3
330.05	47.637	178.34
330.14	47.64	178.44
330.24	47.644	178.55
330.34	47.647	178.66
330.44	47.65	178.78
330.54	47.654	178.89
330.64	47.657	179.
330.74	47.659	179.12
330.84	47.662	179.23
330.94	47.665	179.34
331.	47.667	179.41
331.01		179.42
331.02	47.668	179.43
331.05		179.47
331.14	47.671	179.57
331.24	47.674	179.68
331.34	47.676	179.79

331.44	47.679	179.91
331.54	47.682	180.02
331.64	47.684	180.13
331.74	47.687	180.24
331.84	47.69	180.36
331.94	47.692	180.47
332.	47.694	180.54
332.01		180.55
332.02		180.56
332.05	47.695	180.59
332.14	47.697	180.7
332.24	47.7	180.81
332.34	47.702	180.92
332.44	47.705	181.04
332.54	47.707	181.15
332.64	47.71	181.26
332.74	47.712	181.38
332.84	47.715	181.49
332.94	47.718	181.61
333.	47.72	181.68
333.01		181.69
333.02		181.7
333.05	47.721	181.73
333.14	47.724	181.83
333.24	47.727	181.95
333.34	47.73	182.06
333.44	47.733	182.17
333.54	47.736	182.28
333.64	47.739	182.39
333.74	47.741	182.51
333.84	47.744	182.62
333.94	47.746	182.73
334.	47.748	182.79
334.01		182.8
334.02		182.82
334.05	47.749	182.85
334.14	47.751	182.95
334.24	47.753	183.06
334.34	47.755	183.17
334.44	47.757	183.28
334.54	47.759	183.4
334.64	47.761	183.51
334.74	47.763	183.62
334.84	47.764	183.73
334.94	47.766	183.84
335.	47.767	183.91
335.01		183.92
335.02		183.93

335.05	47.768	183.97
335.14	47.769	184.07
335.24	47.771	184.18
335.34	47.772	184.29
335.44	47.774	184.39
335.54	47.775	184.5
335.64	47.776	184.61
335.74	47.777	184.72
335.84	47.778	184.83
335.94	47.779	184.94
336.	47.78	185.
336.01		185.01
336.02		185.02
336.05	47.781	185.06
336.14		185.16
336.24	47.782	185.27
336.34	47.783	185.38
336.44	47.784	185.49
336.54	47.785	185.6
336.64	47.786	185.71
336.74	47.787	185.82
336.84	47.788	185.93
336.94	47.789	186.05
337.	47.79	186.11
337.01		186.13
337.02		186.14
337.05	47.791	186.17
337.14	47.792	186.27
337.24	47.793	186.38
337.34	47.795	186.49
337.44	47.796	186.61
337.54	47.798	186.72
337.64	47.799	186.83
337.74	47.801	186.94
337.84	47.803	187.05
337.94	47.804	187.17
338.	47.805	187.23
338.01		187.24
338.02		187.25
338.05	47.806	187.29
338.14	47.807	187.39
338.24	47.809	187.5
338.34	47.811	187.61
338.44	47.812	187.72
338.54	47.814	187.83
338.64	47.815	187.93
338.74	47.816	188.04
338.84	47.817	188.15

338.94	47.819	188.26
339.		188.32
339.01		188.34
339.02		188.35
339.05	47.82	188.38
339.14	47.821	188.48
339.24		188.59
339.34	47.822	188.69
339.44	47.823	188.8
339.54	47.824	188.91
339.64		189.02
339.74	47.825	189.13
339.84		189.24
339.94	47.826	189.35
340.		189.42
340.01		189.43
340.02		189.44
340.05		189.47
340.14	47.827	189.57
340.24		189.68
340.34		189.78
340.44		189.89
340.54	47.828	190.
340.64		190.11
340.74		190.22
340.84		190.33
340.94	47.827	190.43
341.		190.5
341.01		190.51
341.02		190.52
341.05		190.55
341.14		190.65
341.24		190.76
341.34	47.826	190.87
341.44		190.98
341.54		191.09
341.64	47.825	191.2
341.74		191.3
341.84		191.41
341.94		191.52
342.	47.824	191.59
342.01		191.6
342.02		191.61
342.05		191.64
342.14		191.74
342.24		191.85
342.34		191.96
342.44		192.06

342.54		192.17
342.64	47.823	192.28
342.74		192.39
342.84		192.49
342.94	47.822	192.6
343.		192.66
343.01		192.67
343.02		192.68
343.05		192.72
343.14	47.821	192.81
343.24		192.92
343.34	47.82	193.03
343.44	47.819	193.14
343.54		193.24
343.64	47.818	193.35
343.74	47.817	193.46
343.84		193.57
343.94	47.816	193.68
344.	47.815	193.74
344.01		193.75
344.02		193.76
344.05		193.79
344.14	47.814	193.89
344.24		194.
344.34	47.813	194.11
344.44	47.812	194.22
344.54		194.32
344.64	47.811	194.43
344.74		194.54
344.84	47.81	194.65
344.94	47.809	194.76
345.		194.82
345.01		194.83
345.02		194.84
345.05		194.88
345.14	47.808	194.97
345.24	47.807	195.08
345.34		195.19
345.44	47.806	195.3
345.54	47.805	195.41
345.64		195.51
345.74	47.804	195.62
345.84	47.803	195.73
345.94		195.83
346.	47.802	195.9
346.01		195.91
346.02		195.92
346.05		195.95

346.14	47.801	196.05
346.24	47.8	196.16
346.34	47.799	196.26
346.44	47.798	196.37
346.54	47.797	196.48
346.64	47.796	196.58
346.74	47.795	196.69
346.84	47.794	196.8
346.94	47.793	196.9
347.		196.97
347.01		196.98
347.02	47.792	196.99
347.05		197.02
347.14	47.791	197.12
347.24	47.79	197.23
347.34	47.789	197.33
347.44	47.787	197.44
347.54	47.786	197.55
347.64	47.785	197.66
347.74	47.784	197.77
347.84	47.783	197.87
347.94	47.782	197.98
348.		198.05
348.01		198.06
348.02		198.07
348.05		198.1
348.14	47.781	198.2
348.24	47.78	198.31
348.34		198.41
348.44	47.779	198.52
348.54	47.778	198.63
348.64		198.73
348.74	47.777	198.84
348.84		198.95
348.94	47.776	199.06
349.	47.775	199.12
349.01		199.13
349.02		199.14
349.05		199.17
349.14	47.774	199.27
349.24		199.38
349.34	47.773	199.49
349.44	47.772	199.59
349.54	47.771	199.7
349.64		199.81
349.74	47.77	199.92
349.84	47.769	200.02
349.94	47.768	200.13

350.		200.2
350.01		200.21
350.02	47.767	200.22
350.05		200.25
350.14		200.35
350.24	47.766	200.45
350.34	47.765	200.56
350.44	47.764	200.67
350.54	47.763	200.78
350.64	47.762	200.88
350.74		200.99
350.84	47.761	201.1
350.94	47.76	201.21
351.		201.27
351.01		201.28
351.02	47.759	201.29
351.05		201.32
351.14		201.42
351.24	47.758	201.53
351.34	47.757	201.63
351.44	47.756	201.74
351.54	47.755	201.85
351.64		201.96
351.74	47.754	202.06
351.84	47.753	202.17
351.94	47.752	202.28
352.		202.34
352.01		202.35
352.02		202.36
352.05	47.751	202.4
352.14		202.49
352.24	47.75	202.6
352.34	47.749	202.71
352.44	47.748	202.81
352.54	47.747	202.92
352.64	47.746	203.02
352.74	47.745	203.13
352.84	47.744	203.24
352.94	47.743	203.34
353.	47.742	203.4
353.01		203.41
353.02		203.43
353.05		203.46
353.14	47.741	203.55
353.24	47.739	203.66
353.34	47.738	203.77
353.44	47.736	203.87
353.54	47.735	203.98

353.64	47.734	204.09
353.74	47.732	204.19
353.84	47.731	204.3
353.94	47.729	204.41
354.		204.47
354.01		204.48
354.02	47.728	204.49
354.05		204.53
354.14	47.727	204.62
354.24	47.726	204.73
354.34	47.724	204.84
354.44	47.723	204.94
354.54	47.722	205.05
354.64	47.721	205.16
354.74	47.719	205.26
354.84	47.718	205.37
354.94	47.717	205.48
355.		205.54
355.01	47.716	205.55
355.02		205.56
355.05		205.6
355.14	47.715	205.69
355.24	47.714	205.8
355.34	47.713	205.91
355.44	47.712	206.01
355.54	47.711	206.12
355.64	47.71	206.23
355.74	47.709	206.34
355.84	47.708	206.45
355.94	47.707	206.55
356.		206.62
356.01		206.63
356.02		206.64
356.05	47.706	206.67
356.14		206.77
356.24	47.705	206.88
356.34	47.704	206.98
356.44	47.703	207.09
356.54	47.702	207.2
356.64	47.701	207.31
356.74		207.41
356.84	47.7	207.52
356.94	47.699	207.63
357.	47.698	207.69
357.01		207.7
357.02		207.71
357.05		207.74
357.14	47.697	207.84

357.24	47.696	207.94
357.34	47.695	208.05
357.44	47.694	208.16
357.54	47.693	208.26
357.64	47.692	208.37
357.74	47.691	208.48
357.84	47.69	208.58
357.94	47.689	208.69
358.	47.688	208.75
358.01		208.76
358.02		208.77
358.05		208.8
358.14	47.687	208.9
358.24	47.686	209.01
358.34	47.684	209.11
358.44	47.683	209.22
358.54	47.682	209.32
358.64	47.681	209.43
358.74	47.68	209.54
358.84	47.678	209.64
358.94	47.677	209.75
359.	47.676	209.81
359.01		209.82
359.02		209.83
359.05		209.87
359.14	47.675	209.96
359.24	47.673	210.07
359.34	47.672	210.18
359.44	47.671	210.28
359.54	47.67	210.39
359.64	47.668	210.49
359.74	47.667	210.6
359.84	47.666	210.71
359.94	47.664	210.81
360.		210.88
360.01	47.663	210.89
360.02		210.9
360.05		210.93
360.14	47.662	211.03
360.24	47.66	211.13
360.34	47.659	211.24
360.44	47.658	211.35
360.54	47.656	211.45
360.64	47.655	211.56
360.74	47.654	211.66
360.84	47.652	211.77
360.94	47.651	211.88
361.	47.65	211.94

361.01		211.95
361.02		211.96
361.05		211.99
361.14	47.649	212.09
361.24	47.647	212.2
361.34	47.646	212.3
361.44	47.645	212.41
361.54	47.644	212.51
361.64	47.643	212.62
361.74	47.642	212.73
361.84	47.64	212.83
361.94		212.94
362.	47.639	213.
362.01		213.01
362.02		213.02
362.05	47.638	213.05
362.14	47.637	213.15
362.24	47.636	213.26
362.34	47.635	213.36
362.44	47.634	213.47
362.54	47.633	213.57
362.64	47.632	213.68
362.74	47.631	213.78
362.84	47.63	213.89
362.94	47.629	213.99
363.		214.06
363.01	47.628	214.07
363.02		214.08
363.05	47.627	214.11
363.14	47.626	214.2
363.24	47.625	214.31
363.34	47.624	214.41
363.44	47.622	214.52
363.54	47.621	214.63
363.64	47.62	214.73
363.74	47.619	214.84
363.84	47.617	214.94
363.94	47.616	215.05
364.		215.11
364.01	47.615	215.12
364.02		215.13
364.05	47.614	215.16
364.14	47.613	215.26
364.24	47.612	215.36
364.34	47.61	215.46
364.44	47.609	215.57
364.54	47.608	215.67
364.64	47.606	215.78

364.74	47.605	215.88
364.84	47.604	215.98
364.94	47.602	216.09
365.	47.601	216.15
365.01		216.16
365.02		216.17
365.05		216.2
365.14	47.599	216.29
365.24	47.598	216.4
365.34	47.597	216.5
365.44	47.595	216.61
365.54	47.594	216.71
365.64	47.592	216.82
365.74	47.591	216.92
365.84	47.589	217.03
365.94	47.588	217.13
366.	47.587	217.2
366.01	47.586	217.21
366.02		217.22
366.05		217.25
366.14	47.584	217.34
366.24	47.583	217.45
366.34	47.581	217.55
366.44	47.58	217.66
366.54	47.578	217.76
366.64	47.577	217.87
366.74	47.575	217.98
366.84	47.573	218.08
366.94	47.572	218.19
367.	47.571	218.25
367.01		218.26
367.02		218.27
367.05	47.57	218.3
367.14	47.569	218.4
367.24	47.567	218.5
367.34	47.566	218.61
367.44	47.564	218.72
367.54	47.563	218.82
367.64	47.561	218.93
367.74	47.56	219.03
367.84	47.558	219.14
367.94	47.556	219.24
368.		219.3
368.01	47.555	219.32
368.02		219.33
368.05		219.36
368.14	47.553	219.45
368.24	47.552	219.56

368.34	47.55	219.66
368.44	47.549	219.77
368.54	47.547	219.87
368.64	47.546	219.98
368.74	47.544	220.08
368.84	47.543	220.19
368.94	47.541	220.29
369.	47.54	220.36
369.01		220.37
369.02		220.38
369.05	47.539	220.41
369.14	47.538	220.5
369.24	47.537	220.61
369.34	47.535	220.71
369.44	47.533	220.82
369.54	47.532	220.92
369.64	47.53	221.03
369.74	47.529	221.13
369.84	47.527	221.24
369.94	47.525	221.34
370.	47.524	221.4
370.01		221.41
370.02		221.42
370.05		221.46
370.14	47.522	221.55
370.24	47.521	221.66
370.34	47.519	221.76
370.44	47.517	221.87
370.54	47.516	221.97
370.64	47.514	222.08
370.74	47.512	222.18
370.84	47.511	222.29
370.94	47.509	222.39
371.	47.508	222.45
371.01		222.47
371.02		222.48
371.05		222.51
371.14	47.506	222.6
371.24	47.505	222.71
371.34	47.503	222.81
371.44	47.502	222.92
371.54	47.5	223.02
371.64	47.499	223.13
371.74	47.497	223.23
371.84	47.496	223.34
371.94	47.494	223.44
372.	47.493	223.5
372.01		223.52

372.02		223.53
372.05		223.56
372.14	47.491	223.65
372.24	47.49	223.76
372.34	47.488	223.86
372.44	47.487	223.97
372.54	47.485	224.07
372.64	47.484	224.17
372.74	47.482	224.28
372.84	47.481	224.38
372.94	47.479	224.49
373.		224.55
373.01	47.478	224.56
373.02		224.57
373.05	47.477	224.6
373.14	47.476	224.69
373.24	47.474	224.8
373.34	47.473	224.9
373.44	47.471	225.01
373.54	47.469	225.11
373.64	47.468	225.22
373.74	47.466	225.32
373.84	47.465	225.42
373.94	47.463	225.53
374.	47.462	225.59
374.01		225.6
374.02	47.461	225.61
374.05		225.64
374.14	47.459	225.74
374.24	47.458	225.84
374.34	47.456	225.95
374.44	47.454	226.05
374.54	47.452	226.16
374.64	47.451	226.26
374.74	47.449	226.37
374.84	47.447	226.47
374.94	47.446	226.58
375.	47.445	226.64
375.01		226.65
375.02	47.444	226.66
375.05		226.69
375.14	47.442	226.79
375.24	47.44	226.89
375.34	47.439	227.
375.44	47.437	227.11
375.54	47.435	227.21
375.64	47.434	227.32
375.74	47.432	227.42

375.84	47.43	227.53
375.94	47.429	227.63
376.	47.428	227.69
376.01	47.427	227.7
376.02		227.72
376.05		227.75
376.14	47.425	227.84
376.24	47.423	227.95
376.34	47.422	228.05
376.44	47.42	228.16
376.54	47.418	228.26
376.64	47.416	228.36
376.74	47.414	228.47
376.84	47.412	228.57
376.94	47.411	228.68
377.	47.409	228.74
377.01		228.75
377.02		228.76
377.05		228.79
377.14	47.407	228.89
377.24	47.405	228.99
377.34	47.403	229.1
377.44	47.401	229.2
377.54	47.399	229.31
377.64	47.397	229.41
377.74	47.395	229.51
377.84	47.393	229.62
377.94	47.391	229.72
378.	47.39	229.79
378.01		229.8
378.02		229.81
378.05	47.389	229.84
378.14	47.387	229.93
378.24	47.386	230.04
378.34	47.384	230.14
378.44	47.382	230.25
378.54	47.38	230.35
378.64	47.378	230.46
378.74	47.376	230.56
378.84	47.374	230.67
378.94	47.372	230.77
379.	47.371	230.84
379.01	47.37	230.85
379.02		230.86
379.05		230.89
379.14	47.368	230.98
379.24	47.366	231.09
379.34	47.364	231.19

379.44	47.362	231.3
379.54	47.36	231.4
379.64	47.358	231.51
379.74	47.356	231.61
379.84	47.354	231.72
379.94	47.352	231.82
380.	47.351	231.89
380.01		231.9
380.02		231.91
380.05	47.35	231.94
380.14	47.348	232.03
380.24	47.346	232.14
380.34	47.345	232.24
380.44	47.343	232.35
380.54	47.341	232.45
380.64	47.339	232.56
380.74	47.337	232.66
380.84	47.335	232.77
380.94	47.333	232.87
381.	47.332	232.93
381.01		232.94
381.02		232.95
381.05	47.331	232.99
381.14	47.329	233.08
381.24	47.327	233.18
381.34	47.325	233.29
381.44	47.324	233.39
381.54	47.322	233.5
381.64	47.32	233.6
381.74	47.318	233.71
381.84	47.316	233.81
381.94	47.314	233.92
382.	47.313	233.98
382.01		233.99
382.02	47.312	234.
382.05		234.03
382.14	47.31	234.13
382.24	47.308	234.23
382.34	47.306	234.34
382.44	47.305	234.44
382.54	47.303	234.55
382.64	47.301	234.65
382.74	47.299	234.76
382.84	47.297	234.86
382.94	47.296	234.97
383.	47.295	235.03
383.01	47.294	235.04
383.02		235.05

383.05		235.08
383.14	47.292	235.18
383.24	47.29	235.28
383.34	47.289	235.38
383.44	47.287	235.49
383.54	47.285	235.59
383.64	47.284	235.7
383.74	47.282	235.8
383.84	47.28	235.91
383.94	47.278	236.01
384.	47.277	236.07
384.01		236.08
384.02		236.09
384.05	47.276	236.12
384.14	47.275	236.22
384.24	47.273	236.32
384.34	47.271	236.43
384.44	47.269	236.53
384.54	47.268	236.64
384.64	47.266	236.74
384.74	47.264	236.85
384.84	47.262	236.95
384.94	47.26	237.06
385.	47.259	237.12
385.01		237.13
385.02		237.14
385.05		237.17
385.14	47.257	237.27
385.24	47.255	237.37
385.34	47.254	237.48
385.44	47.252	237.58
385.54	47.25	237.69
385.64	47.249	237.79
385.74	47.247	237.9
385.84	47.245	238.
385.94	47.244	238.11
386.	47.243	238.17
386.01		238.18
386.02	47.242	238.19
386.05		238.22
386.14	47.24	238.32
386.24	47.239	238.42
386.34	47.237	238.53
386.44	47.235	238.63
386.54	47.233	238.74
386.64	47.232	238.84
386.74	47.23	238.95
386.84	47.228	239.05

386.94	47.226	239.16
387.	47.225	239.22
387.01		239.23
387.02		239.24
387.05	47.224	239.27
387.14	47.223	239.36
387.24	47.221	239.47
387.34	47.219	239.57
387.44	47.217	239.68
387.54	47.215	239.78
387.64	47.214	239.89
387.74	47.212	239.99
387.84	47.21	240.1
387.94	47.208	240.2
388.	47.207	240.26
388.01	47.206	240.27
388.02		240.28
388.05		240.32
388.14	47.204	240.41
388.24	47.202	240.51
388.34	47.2	240.62
388.44	47.198	240.72
388.54	47.196	240.83
388.64	47.194	240.93
388.74	47.192	241.04
388.84	47.19	241.14
388.94	47.188	241.25
389.	47.187	241.31
389.01		241.32
389.02		241.33
389.05	47.186	241.36
389.14	47.185	241.46
389.24	47.183	241.56
389.34	47.181	241.67
389.44	47.179	241.77
389.54	47.177	241.87
389.64	47.176	241.98
389.74	47.174	242.08
389.84	47.172	242.19
389.94	47.17	242.29
390.	47.169	242.35
390.01		242.36
390.02	47.168	242.37
390.05		242.4
390.14	47.166	242.5
390.24	47.164	242.6
390.34	47.162	242.7
390.44	47.16	242.8

390.54	47.158	242.91
390.64	47.156	243.01
390.74	47.154	243.11
390.84	47.152	243.21
390.94	47.15	243.32
391.	47.149	243.38
391.01		243.39
391.02		243.4
391.05	47.148	243.43
391.14	47.146	243.52
391.24	47.144	243.62
391.34	47.142	243.72
391.44	47.14	243.83
391.54	47.137	243.93
391.64	47.135	244.03
391.74	47.133	244.13
391.84	47.131	244.24
391.94	47.129	244.34
392.	47.127	244.4
392.01		244.41
392.02		244.42
392.05	47.126	244.45
392.14	47.124	244.55
392.24	47.122	244.65
392.34	47.12	244.75
392.44	47.118	244.85
392.54	47.116	244.96
392.64	47.114	245.06
392.74	47.111	245.16
392.84	47.109	245.27
392.94	47.107	245.37
393.	47.106	245.43
393.01	47.105	245.44
393.02		245.45
393.05		245.48
393.14	47.103	245.57
393.24	47.1	245.68
393.34	47.098	245.78
393.44	47.096	245.88
393.54	47.094	245.99
393.64	47.091	246.09
393.74	47.089	246.19
393.84	47.087	246.29
393.94	47.085	246.4
394.	47.084	246.46
394.01	47.083	246.47
394.02		246.48
394.05		246.51

394.14	47.081	246.6
394.24	47.078	246.71
394.34	47.076	246.81
394.44	47.074	246.91
394.54	47.072	247.02
394.64	47.07	247.12
394.74	47.068	247.22
394.84	47.066	247.32
394.94	47.063	247.43
395.	47.062	247.49
395.01		247.5
395.02		247.51
395.05	47.061	247.54
395.14	47.059	247.63
395.24	47.057	247.73
395.34	47.055	247.84
395.44	47.053	247.94
395.54	47.051	248.04
395.64	47.049	248.15
395.74	47.046	248.25
395.84	47.044	248.35
395.94	47.042	248.46
396.	47.041	248.52
396.01		248.53
396.02	47.04	248.54
396.05		248.57
396.14	47.038	248.67
396.24	47.036	248.77
396.34	47.034	248.87
396.44	47.032	248.98
396.54	47.03	249.08
396.64	47.028	249.18
396.74	47.025	249.29
396.84	47.023	249.39
396.94	47.021	249.5
397.	47.02	249.56
397.01		249.57
397.02		249.58
397.05	47.019	249.61
397.14	47.017	249.7
397.24	47.015	249.81
397.34	47.013	249.91
397.44	47.011	250.02
397.54	47.009	250.12
397.64	47.007	250.22
397.74	47.005	250.33
397.84	47.003	250.43
397.94	47.001	250.53

398.	47.	250.59
398.01	46.999	250.6
398.02		250.61
398.05		250.65
398.14	46.997	250.74
398.24	46.995	250.84
398.34	46.993	250.94
398.44	46.991	251.05
398.54	46.989	251.15
398.64	46.987	251.25
398.74	46.985	251.35
398.84	46.983	251.46
398.94	46.981	251.56
399.	46.979	251.62
399.01		251.63
399.02		251.64
399.05	46.978	251.67
399.14	46.976	251.76
399.24	46.974	251.86
399.34	46.972	251.97
399.44	46.97	252.07
399.54	46.968	252.17
399.64	46.966	252.27
399.74	46.964	252.37
399.84	46.962	252.48
399.94	46.96	252.58
400.	46.958	252.64
400.01		252.65
400.02		252.66
400.05	46.957	252.69
400.14	46.955	252.78
400.24	46.953	252.88
400.34	46.951	252.99
400.44	46.949	253.09
400.54	46.947	253.19
400.64	46.945	253.29
400.74	46.943	253.39
400.84	46.941	253.5
400.94	46.939	253.6
401.	46.938	253.66
401.01	46.937	253.67
401.02		253.68
401.05		253.71
401.14	46.935	253.8
401.24	46.933	253.9
401.34	46.931	254.01
401.44	46.929	254.11
401.54	46.926	254.21

401.64	46.924	254.31
401.74	46.922	254.42
401.84	46.92	254.52
401.94	46.918	254.62
402.	46.917	254.68
402.01		254.69
402.02		254.7
402.05	46.916	254.73
402.14	46.914	254.83
402.24	46.912	254.93
402.34	46.91	255.03
402.44	46.908	255.13
402.54	46.906	255.23
402.64	46.904	255.34
402.74	46.902	255.44
402.84	46.9	255.54
402.94	46.898	255.64
403.	46.897	255.7
403.01	46.896	255.71
403.02		255.72
403.05		255.75
403.14	46.894	255.85
403.24	46.892	255.95
403.34	46.89	256.05
403.44	46.888	256.15
403.54	46.886	256.25
403.64	46.883	256.36
403.74	46.881	256.46
403.84	46.879	256.56
403.94	46.877	256.66
404.	46.876	256.72
404.01		256.73
404.02		256.74
404.05	46.875	256.77
404.14	46.873	256.86
404.24	46.871	256.97
404.34	46.869	257.07
404.44	46.867	257.17
404.54	46.865	257.27
404.64	46.862	257.37
404.74	46.86	257.47
404.84	46.858	257.58
404.94	46.856	257.68
405.	46.855	257.74
405.01		257.75
405.02	46.854	257.76
405.05		257.79
405.14	46.852	257.88

405.24	46.85	257.98
405.34	46.848	258.09
405.44	46.846	258.19
405.54	46.843	258.29
405.64	46.841	258.39
405.74	46.839	258.5
405.84	46.837	258.6
405.94	46.835	258.7
406.	46.834	258.76
406.01		258.77
406.02	46.833	258.78
406.05		258.81
406.14	46.831	258.9
406.24	46.829	259.01
406.34	46.827	259.11
406.44	46.825	259.21
406.54	46.823	259.31
406.64	46.82	259.42
406.74	46.818	259.52
406.84	46.816	259.62
406.94	46.814	259.72
407.	46.813	259.79
407.01		259.8
407.02		259.81
407.05	46.812	259.84
407.14	46.81	259.93
407.24	46.808	260.03
407.34	46.806	260.13
407.44	46.804	260.23
407.54	46.802	260.34
407.64	46.801	260.44
407.74	46.799	260.54
407.84	46.797	260.64
407.94	46.795	260.74
408.	46.793	260.8
408.01		260.81
408.02		260.82
408.05	46.792	260.85
408.14	46.791	260.94
408.24	46.789	261.04
408.34	46.787	261.15
408.44	46.785	261.25
408.54	46.783	261.35
408.64	46.781	261.45
408.74	46.779	261.55
408.84	46.777	261.65
408.94	46.775	261.75
409.	46.774	261.81

409.01		261.82
409.02	46.773	261.83
409.05		261.86
409.14	46.771	261.95
409.24	46.769	262.05
409.34	46.767	262.15
409.44	46.765	262.26
409.54	46.763	262.36
409.64	46.761	262.46
409.74	46.759	262.56
409.84	46.757	262.66
409.94	46.755	262.76
410.	46.754	262.82
410.01		262.84
410.02		262.85
410.05	46.753	262.88
410.14	46.751	262.97
410.24	46.749	263.07
410.34	46.747	263.17
410.44	46.745	263.27
410.54	46.743	263.37
410.64	46.741	263.47
410.74	46.739	263.58
410.84	46.737	263.68
410.94	46.735	263.78
411.	46.734	263.84
411.01		263.85
411.02		263.86
411.05	46.733	263.87
411.14	46.731	263.89
411.24	46.73	263.88
411.34	46.728	263.85
411.44	46.726	263.8
411.54	46.724	263.73
411.64	46.722	263.65
411.74	46.72	263.56
411.84	46.718	263.44
411.94	46.716	263.32
412.	46.715	263.25
412.01		263.24
412.02		263.23
412.05	46.714	263.2
412.14	46.712	263.14
412.24	46.71	263.1
412.34	46.708	263.06
412.44	46.706	263.03
412.54	46.705	263.
412.64	46.703	262.98

412.74	46.701	262.96
412.84	46.699	262.95
412.94	46.697	262.93
413.	46.696	
413.01	46.695	262.92
413.02		
413.05		
413.14	46.693	262.91
413.24	46.691	262.9
413.34	46.689	262.88
413.44	46.687	262.87
413.54	46.685	262.86
413.64	46.683	262.85
413.74	46.681	262.84
413.84	46.679	262.82
413.94	46.677	262.81
414.	46.676	
414.01		262.8
414.02	46.675	
414.05		
414.14	46.673	262.79
414.24	46.671	262.78
414.34	46.669	262.77
414.44	46.667	262.75
414.54	46.665	262.74
414.64	46.663	262.73
414.74	46.661	262.72
414.84	46.659	262.71
414.94	46.657	262.7
415.	46.656	262.69
415.01		
415.02		
415.05	46.655	262.68
415.14	46.654	262.67
415.24	46.652	262.66
415.34	46.65	262.65
415.44	46.648	262.64
415.54	46.646	262.63
415.64	46.644	262.62
415.74	46.642	262.61
415.84	46.64	262.59
415.94	46.638	262.58
416.	46.637	
416.01	46.636	262.57
416.02		
416.05		
416.14	46.634	262.56
416.24	46.632	262.55

416.34	46.63	262.54
416.44	46.628	262.53
416.54	46.626	262.51
416.64	46.624	262.5
416.74	46.622	262.49
416.84	46.62	262.48
416.94	46.618	262.47
417.	46.617	262.46
417.01		
417.02	46.616	
417.05		
417.14	46.614	262.45
417.24	46.612	262.44
417.34	46.61	262.42
417.44	46.608	262.41
417.54	46.606	262.4
417.64	46.604	262.39
417.74	46.602	262.38
417.84	46.6	262.37
417.94	46.598	262.36
418.	46.597	262.35
418.01		
418.02		
418.05	46.596	
418.14	46.594	262.34
418.24	46.592	262.32
418.34	46.591	262.31
418.44	46.589	262.3
418.54	46.587	262.29
418.64	46.585	262.28
418.74	46.583	262.27
418.84	46.581	262.26
418.94	46.579	262.25
419.	46.578	262.24
419.01		
419.02	46.577	
419.05		262.23
419.14	46.575	262.22
419.24	46.573	262.21
419.34	46.571	262.2
419.44	46.569	262.19
419.54	46.567	262.18
419.64	46.565	262.17
419.74	46.563	262.16
419.84	46.561	262.14
419.94	46.559	262.13
420.	46.558	
420.01		262.12

420.02		
420.05	46.557	
420.14	46.555	262.11
420.24	46.554	262.1
420.34	46.552	262.09
420.44	46.55	262.07
420.54	46.548	262.06
420.64	46.546	262.05
420.74	46.544	262.04
420.84	46.542	262.03
420.94	46.54	262.02
421.	46.539	
421.01		262.01
421.02	46.538	
421.05		262.
421.14	46.536	261.99
421.24	46.534	261.98
421.34	46.532	261.97
421.44	46.53	261.96
421.54	46.528	261.95
421.64	46.526	261.93
421.74	46.524	261.92
421.84	46.522	261.91
421.94	46.52	261.9
422.	46.519	
422.01		261.89
422.02	46.518	
422.05		
422.14	46.516	261.88
422.24	46.514	261.87
422.34	46.512	261.85
422.44	46.51	261.84
422.54	46.508	261.83
422.64	46.505	261.82
422.74	46.503	261.81
422.84	46.501	261.8
422.94	46.499	
423.		261.78
423.01	46.498	
423.02		261.77
423.05	46.497	
423.14	46.495	261.76
423.24	46.493	261.75
423.34	46.491	261.74
423.44	46.489	261.73
423.54	46.487	261.71
423.64	46.485	261.7
423.74	46.483	261.69

423.84	46.481	261.68
423.94	46.479	261.67
424.	46.478	261.66
424.01	46.477	
424.02		
424.05		
424.14	46.475	261.65
424.24	46.473	261.63
424.34	46.471	261.62
424.44	46.469	261.61
424.54	46.467	261.6
424.64	46.465	261.59
424.74	46.463	261.58
424.84	46.461	261.57
424.94	46.459	261.55
425.	46.458	
425.01	46.457	
425.02		261.54
425.05		
425.14	46.455	261.53
425.24	46.453	261.52
425.34	46.451	261.51
425.44	46.449	261.5
425.54	46.447	261.49
425.64	46.445	261.47
425.74	46.443	261.46
425.84	46.441	261.45
425.94	46.439	261.44
426.	46.437	261.43
426.01		
426.02		
426.05	46.436	
426.14	46.435	261.42
426.24	46.433	261.41
426.34	46.431	261.39
426.44	46.429	261.38
426.54	46.427	261.37
426.64	46.425	261.36
426.74	46.423	261.35
426.84	46.42	261.34
426.94	46.418	261.32
427.	46.417	
427.01		
427.02		261.31
427.05	46.416	
427.14	46.414	261.3
427.24	46.412	261.29
427.34	46.41	261.28

427.44	46.408	261.26
427.54	46.406	261.25
427.64	46.404	261.24
427.74	46.402	261.23
427.84	46.4	261.22
427.94	46.398	261.2
428.	46.397	
428.01		
428.02	46.396	261.19
428.05		
428.14	46.394	261.18
428.24	46.392	261.17
428.34	46.39	261.16
428.44	46.388	261.14
428.54	46.385	261.13
428.64	46.383	261.12
428.74	46.381	261.11
428.84	46.379	261.1
428.94	46.377	261.08
429.	46.376	
429.01		
429.02	46.375	261.07
429.05		
429.14	46.373	261.06
429.24	46.371	261.05
429.34	46.369	261.04
429.44	46.367	261.02
429.54	46.364	261.01
429.64	46.362	261.
429.74	46.36	260.99
429.84	46.358	260.98
429.94	46.356	260.96
430.	46.355	
430.01	46.354	
430.02		260.95
430.05		
430.14	46.352	260.94
430.24	46.35	260.93
430.34	46.347	260.92
430.44	46.345	260.9
430.54	46.343	260.89
430.64	46.341	260.88
430.74	46.339	260.87
430.84	46.337	260.86
430.94	46.334	260.84
431.	46.333	
431.01		260.83
431.02		

431.05	46.332	
431.14	46.33	260.82
431.24	46.328	260.81
431.34	46.326	260.79
431.44	46.323	260.78
431.54	46.321	260.77
431.64	46.319	260.76
431.74	46.317	260.74
431.84	46.315	260.73
431.94	46.312	260.72
432.	46.311	260.71
432.01		
432.02		
432.05	46.31	
432.14	46.308	260.69
432.24	46.306	260.68
432.34	46.304	260.67
432.44	46.302	260.66
432.54	46.299	260.65
432.64	46.297	260.63
432.74	46.295	260.62
432.84	46.293	260.61
432.94	46.291	260.6
433.	46.289	260.59
433.01		
433.02		
433.05	46.288	260.58
433.14	46.286	260.57
433.24	46.284	260.56
433.34	46.282	260.55
433.44	46.28	260.54
433.54	46.278	260.52
433.64	46.276	260.51
433.74	46.273	260.5
433.84	46.271	260.49
433.94	46.269	260.48
434.	46.268	260.47
434.01		
434.02	46.267	
434.05		260.46
434.14	46.265	260.45
434.24	46.263	260.44
434.34	46.261	260.43
434.44	46.258	260.42
434.54	46.256	260.4
434.64	46.254	260.39
434.74	46.252	260.38
434.84	46.25	260.37

434.94	46.248	260.36
435.	46.247	260.35
435.01	46.246	
435.02		
435.05		260.34
435.14	46.244	260.33
435.24	46.241	260.32
435.34	46.239	260.31
435.44	46.237	260.3
435.54	46.235	260.29
435.64	46.233	260.27
435.74	46.231	260.26
435.84	46.229	260.25
435.94	46.227	260.24
436.	46.225	260.23
436.01		
436.02		
436.05	46.224	
436.14	46.222	260.22
436.24	46.22	260.2
436.34	46.218	260.19
436.44	46.216	260.18
436.54	46.214	260.17
436.64	46.212	260.16
436.74	46.21	260.15
436.84	46.208	260.13
436.94	46.206	260.12
437.	46.204	260.11
437.01		
437.02		
437.05	46.203	
437.14	46.201	260.1
437.24	46.199	260.09
437.34	46.197	260.07
437.44	46.195	260.06
437.54	46.193	260.05
437.64	46.191	260.04
437.74	46.189	260.03
437.84	46.187	260.01
437.94	46.185	260.
438.	46.183	259.99
438.01		
438.02		
438.05	46.182	
438.14	46.18	259.98
438.24	46.178	259.97
438.34	46.176	259.95
438.44	46.174	259.94

438.54	46.172	259.93
438.64	46.17	259.92
438.74	46.168	259.9
438.84	46.165	259.89
438.94	46.163	259.88
439.	46.162	259.87
439.01		
439.02		
439.05	46.161	259.86
439.14	46.159	259.85
439.24	46.157	259.84
439.34	46.155	259.83
439.44	46.152	259.82
439.54	46.15	259.8
439.64	46.148	259.79
439.74	46.146	259.78
439.84	46.144	259.77
439.94	46.142	259.75
440.	46.14	
440.01		259.74
440.02		
440.05	46.139	
440.14	46.137	259.73
440.24	46.135	259.72
440.34	46.133	259.7
440.44	46.131	259.69
440.54	46.129	259.68
440.64	46.126	259.66
440.74	46.124	259.65
440.84	46.122	259.64
440.94	46.12	259.63
441.	46.118	259.62
441.01		
441.02		
441.05	46.117	259.61
441.14	46.115	259.6
441.24	46.113	259.59
441.34	46.111	259.57
441.44	46.109	259.56
441.54	46.106	259.55
441.64	46.104	259.53
441.74	46.102	259.52
441.84	46.099	259.51
441.94	46.097	259.49
442.	46.096	
442.01	46.095	259.48
442.02		
442.05		

442.14	46.092	259.47
442.24	46.09	259.45
442.34	46.088	259.44
442.44	46.085	259.42
442.54	46.083	259.41
442.64	46.081	259.4
442.74	46.078	259.38
442.84	46.076	259.37
442.94	46.074	259.35
443.	46.072	
443.01		259.34
443.02		
443.05	46.071	
443.14	46.069	259.33
443.24	46.067	259.31
443.34	46.064	259.3
443.44	46.062	259.28
443.54	46.06	259.27
443.64	46.057	259.26
443.74	46.055	259.24
443.84	46.052	259.23
443.94	46.05	259.21
444.	46.049	
444.01	46.048	259.2
444.02		
444.05		
444.14	46.045	259.19
444.24	46.043	259.17
444.34	46.041	259.16
444.44	46.038	259.14
444.54	46.036	259.13
444.64	46.034	259.12
444.74	46.031	259.1
444.84	46.029	259.09
444.94	46.027	259.08
445.	46.025	259.07
445.01		
445.02		259.06
445.05	46.024	
445.14	46.022	259.05
445.24	46.02	259.03
445.34	46.017	259.02
445.44	46.015	259.01
445.54	46.013	258.99
445.64	46.01	258.98
445.74	46.008	258.97
445.84	46.006	258.95
445.94	46.003	258.94

446.	46.002	258.93
446.01		
446.02		
446.05	46.001	258.92
446.14	45.999	258.91
446.24	45.996	258.9
446.34	45.994	258.88
446.44	45.992	258.87
446.54	45.99	258.86
446.64	45.987	258.84
446.74	45.985	258.83
446.84	45.983	258.82
446.94	45.98	258.8
447.	45.979	258.79
447.01		
447.02	45.978	
447.05		
447.14	45.976	258.78
447.24	45.973	258.76
447.34	45.971	258.75
447.44	45.969	258.74
447.54	45.966	258.72
447.64	45.964	258.71
447.74	45.962	258.7
447.84	45.96	258.68
447.94	45.957	258.67
448.	45.956	258.66
448.01		
448.02	45.955	
448.05		258.65
448.14	45.953	258.64
448.24	45.95	258.63
448.34	45.948	258.62
448.44	45.946	258.6
448.54	45.943	258.59
448.64	45.941	258.58
448.74	45.939	258.57
448.84	45.937	258.55
448.94	45.934	258.54
449.	45.933	258.53
449.01		
449.02		
449.05	45.932	
449.14	45.93	258.52
449.24	45.928	258.5
449.34	45.926	258.49
449.44	45.923	258.48
449.54	45.921	258.46

449.64	45.919	258.45
449.74	45.917	258.44
449.84	45.914	258.43
449.94	45.912	258.41
450.	45.911	
450.01		
450.02	45.91	258.4
450.05		
450.14	45.908	258.39
450.24	45.906	258.38
450.34	45.903	258.36
450.44	45.901	258.35
450.54	45.899	258.34
450.64	45.897	258.33
450.74	45.895	258.31
450.84	45.892	258.3
450.94	45.89	258.29
451.	45.889	258.28
451.01		
451.02	45.888	
451.05		
451.14	45.886	258.26
451.24	45.883	258.25
451.34	45.881	258.24
451.44	45.879	258.23
451.54	45.877	258.21
451.64	45.874	258.2
451.74	45.872	258.19
451.84	45.87	258.18
451.94	45.868	258.16
452.	45.866	
452.01		258.15
452.02		
452.05	45.865	
452.14	45.863	258.14
452.24	45.861	258.12
452.34	45.859	258.11
452.44	45.856	258.1
452.54	45.854	258.09
452.64	45.852	258.07
452.74	45.85	258.06
452.84	45.848	258.05
452.94	45.845	258.04
453.	45.844	258.03
453.01		
453.02		
453.05	45.843	258.02
453.14	45.841	258.01

453.24	45.839	258.
453.34	45.836	257.99
453.44	45.834	257.97
453.54	45.832	257.96
453.64	45.83	257.95
453.74	45.828	257.94
453.84	45.825	257.92
453.94	45.823	257.91
454.	45.822	257.9
454.01		
454.02		
454.05	45.821	
454.14	45.819	257.89
454.24	45.817	257.87
454.34	45.815	257.86
454.44	45.812	257.85
454.54	45.81	257.84
454.64	45.808	257.82
454.74	45.806	257.81
454.84	45.804	257.8
454.94	45.801	257.79
455.	45.8	257.78
455.01		
455.02		
455.05	45.799	257.77
455.14	45.797	257.76
455.24	45.795	257.75
455.34	45.793	257.74
455.44	45.791	257.73
455.54	45.788	257.71
455.64	45.786	257.7
455.74	45.784	257.69
455.84	45.782	257.68
455.94	45.78	257.66
456.	45.778	257.65
456.01		
456.02		
456.05	45.777	
456.14	45.775	257.64
456.24	45.773	257.63
456.34	45.771	257.61
456.44	45.769	257.6
456.54	45.767	257.59
456.64	45.764	257.58
456.74	45.762	257.56
456.84	45.76	257.55
456.94	45.758	257.54
457.	45.757	257.53

457.01	45.756	
457.02		
457.05	45.755	
457.14	45.753	257.52
457.24	45.751	257.5
457.34	45.749	257.49
457.44	45.747	257.48
457.54	45.745	257.47
457.64	45.743	257.45
457.74	45.74	257.44
457.84	45.738	257.43
457.94	45.736	257.42
458.	45.735	257.41
458.01		
458.02	45.734	
458.05		257.4
458.14	45.732	257.39
458.24	45.73	257.38
458.34	45.728	257.37
458.44	45.725	257.36
458.54	45.723	257.34
458.64	45.721	257.33
458.74	45.719	257.32
458.84	45.717	257.31
458.94	45.715	257.3
459.	45.713	257.29
459.01		
459.02		
459.05	45.712	257.28
459.14	45.71	257.27
459.24	45.708	257.26
459.34	45.706	257.25
459.44	45.704	257.24
459.54	45.702	257.22
459.64	45.7	257.21
459.74	45.697	257.2
459.84	45.695	257.19
459.94	45.693	257.18
460.	45.692	257.17
460.01		
460.02	45.691	
460.05		257.16
460.14	45.689	257.15
460.24	45.687	257.14
460.34	45.685	257.13
460.44	45.682	257.11
460.54	45.68	257.1
460.64	45.678	257.09

460.74	45.676	257.08
460.84	45.674	257.07
460.94	45.672	257.05
461.	45.67	
461.01		
461.02		257.04
461.05	45.669	
461.14	45.667	257.03
461.24	45.665	257.02
461.34	45.663	257.01
461.44	45.661	256.99
461.54	45.659	256.98
461.64	45.657	256.97
461.74	45.655	256.96
461.84	45.652	256.95
461.94	45.65	256.93
462.	45.649	
462.01		
462.02		256.92
462.05	45.648	
462.14	45.646	256.91
462.24	45.644	256.9
462.34	45.642	256.89
462.44	45.64	256.87
462.54	45.637	256.86
462.64	45.635	256.85
462.74	45.633	256.84
462.84	45.631	256.82
462.94	45.629	256.81
463.	45.627	
463.01		256.8
463.02		
463.05	45.626	
463.14	45.624	256.79
463.24	45.622	256.78
463.34	45.62	256.76
463.44	45.618	256.75
463.54	45.616	256.74
463.64	45.614	256.73
463.74	45.612	256.72
463.84	45.609	256.7
463.94	45.607	256.69
464.	45.606	256.68
464.01		
464.02		
464.05	45.605	
464.14	45.603	256.67
464.24	45.601	256.66

464.34	45.599	256.64
464.44	45.597	256.63
464.54	45.594	256.62
464.64	45.592	256.61
464.74	45.59	256.6
464.84	45.588	256.58
464.94	45.586	256.57
465.	45.585	
465.01	45.584	256.56
465.02		
465.05		
465.14	45.582	256.55
465.24	45.58	256.54
465.34	45.577	256.52
465.44	45.575	256.51
465.54	45.573	256.5
465.64	45.571	256.49
465.74	45.569	256.48
465.84	45.567	256.47
465.94	45.565	256.45
466.	45.563	
466.01		
466.02		256.44
466.05	45.562	
466.14	45.561	256.43
466.24	45.558	256.42
466.34	45.556	256.41
466.44	45.554	256.39
466.54	45.552	256.38
466.64	45.55	256.37
466.74	45.548	256.36
466.84	45.546	256.35
466.94	45.544	256.34
467.	45.543	256.33
467.01	45.542	
467.02		
467.05	45.541	256.32
467.14	45.54	256.31
467.24	45.538	256.3
467.34	45.535	256.29
467.44	45.533	256.28
467.54	45.531	256.27
467.64	45.529	256.25
467.74	45.527	256.24
467.84	45.525	256.23
467.94	45.523	256.22
468.	45.522	256.21
468.01	45.521	

468.02		
468.05		
468.14	45.519	256.2
468.24	45.517	256.19
468.34	45.515	256.17
468.44	45.513	256.16
468.54	45.51	256.15
468.64	45.508	256.14
468.74	45.506	256.13
468.84	45.504	256.12
468.94	45.502	
469.	45.501	256.1
469.01		
469.02	45.5	256.09
469.05		
469.14	45.498	256.08
469.24	45.496	256.07
469.34	45.494	256.06
469.44	45.492	256.05
469.54	45.49	256.03
469.64	45.487	256.02
469.74	45.485	256.01
469.84	45.483	256.
469.94	45.481	255.99
470.	45.48	255.98
470.01		
470.02		
470.05	45.479	
470.14	45.477	255.97
470.24	45.475	255.95
470.34	45.473	255.94
470.44	45.471	255.93
470.54	45.469	255.92
470.64	45.467	255.91
470.74	45.465	255.9
470.84	45.463	255.89
470.94	45.461	255.88
471.	45.46	255.87
471.01	45.459	
471.02		
471.05		255.86
471.14	45.457	255.85
471.24	45.455	255.84
471.34	45.453	255.83
471.44	45.451	255.82
471.54	45.449	255.81
471.64	45.447	255.8
471.74	45.445	255.79

471.84	45.443	255.78
471.94	45.441	255.77
472.	45.439	255.76
472.01		
472.02		
472.05	45.438	255.75
472.14	45.437	255.74
472.24	45.435	255.73
472.34	45.433	255.72
472.44	45.431	255.71
472.54	45.429	255.7
472.64	45.427	255.69
472.74	45.425	255.68
472.84	45.423	255.67
472.94	45.421	255.66
473.	45.42	255.65
473.01	45.419	
473.02		
473.05		255.64
473.14	45.417	255.63
473.24	45.415	255.62
473.34	45.413	255.61
473.44	45.411	255.6
473.54	45.409	255.59
473.64	45.407	255.58
473.74	45.405	255.57
473.84	45.403	255.56
473.94	45.401	255.55
474.	45.4	255.54
474.01		
474.02		
474.05	45.399	
474.14	45.398	255.53
474.24	45.396	255.52
474.34	45.394	255.51
474.44	45.392	255.5
474.54	45.39	255.49
474.64	45.388	255.48
474.74	45.386	255.47
474.84	45.384	255.46
474.94	45.382	255.45
475.	45.381	255.44
475.01		
475.02		
475.05	45.38	
475.14	45.379	255.43
475.24	45.377	255.42
475.34	45.375	255.41

475.44	45.373	255.4
475.54	45.371	255.39
475.64	45.369	255.38
475.74	45.368	255.37
475.84	45.366	255.36
475.94	45.364	255.35
476.	45.363	255.34
476.01		
476.02	45.362	
476.05		
476.14	45.36	255.33
476.24	45.358	255.32
476.34	45.357	255.31
476.44	45.355	255.3
476.54	45.353	255.29
476.64	45.351	255.28
476.74	45.349	255.27
476.84	45.347	255.26
476.94	45.346	255.25
477.	45.344	255.24
477.01		
477.02		
477.05	45.343	
477.14	45.342	255.23
477.24	45.34	255.22
477.34	45.338	255.21
477.44	45.336	255.2
477.54	45.334	255.19
477.64	45.333	255.18
477.74	45.331	255.17
477.84	45.329	255.16
477.94	45.327	255.15
478.	45.326	255.14
478.01		
478.02	45.325	
478.05		255.13
478.14	45.323	255.12
478.24	45.321	255.11
478.34	45.319	255.1
478.44	45.317	255.09
478.54	45.315	255.08
478.64	45.313	255.07
478.74	45.311	255.06
478.84	45.309	255.05
478.94	45.308	255.04
479.	45.306	255.03
479.01		
479.02		

479.05	45.305	
479.14	45.304	255.02
479.24	45.302	255.01
479.34	45.3	255.
479.44	45.298	254.99
479.54	45.296	254.97
479.64	45.294	254.96
479.74	45.292	254.95
479.84	45.29	254.94
479.94	45.288	254.93
480.	45.287	
480.01		254.92
480.02		
480.05	45.286	
480.14	45.284	254.91
480.24	45.282	254.9
480.34	45.28	254.89
480.44	45.278	254.88
480.54	45.276	254.87
480.64	45.275	254.86
480.74	45.273	254.85
480.84	45.271	254.84
480.94	45.269	254.83
481.	45.268	254.82
481.01	45.267	
481.02		
481.05		254.81
481.14	45.265	254.8
481.24	45.263	254.79
481.34	45.261	254.78
481.44	45.259	254.77
481.54	45.257	254.76
481.64	45.255	254.75
481.74	45.253	254.74
481.84	45.251	254.73
481.94	45.25	254.72
482.	45.248	254.71
482.01		
482.02		
482.05	45.247	
482.14	45.246	254.7
482.24	45.244	254.69
482.34	45.242	254.68
482.44	45.24	254.67
482.54	45.238	254.66
482.64	45.236	254.65
482.74	45.234	254.64
482.84	45.232	254.63

482.94	45.231	254.62
483.	45.229	254.61
483.01		
483.02		
483.05		
483.14	45.227	254.6
483.24	45.225	254.59
483.34	45.223	254.58
483.44	45.221	254.57
483.54	45.219	254.56
483.64	45.218	254.55
483.74	45.216	254.54
483.84	45.214	254.53
483.94	45.212	254.52
484.	45.211	254.51
484.01		
484.02		
484.05	45.21	
484.14	45.208	254.5
484.24	45.207	254.49
484.34	45.205	254.48
484.44	45.203	254.47
484.54	45.201	254.46
484.64	45.199	254.45
484.74	45.197	254.44
484.84	45.196	254.43
484.94	45.194	254.42
485.	45.193	254.41
485.01	45.192	
485.02		
485.05		
485.14	45.19	254.4
485.24	45.188	254.39
485.34	45.186	254.38
485.44	45.184	254.37
485.54	45.183	254.36
485.64	45.181	254.35
485.74	45.179	254.33
485.84	45.177	254.32
485.94	45.175	254.31
486.	45.174	
486.01		
486.02		
486.05	45.173	254.3
486.14	45.171	254.29
486.24	45.17	254.28
486.34	45.168	254.27
486.44	45.166	254.26

486.54	45.164	254.25
486.64	45.162	254.24
486.74	45.16	254.23
486.84	45.158	254.22
486.94	45.157	254.21
487.	45.155	
487.01		254.2
487.02		
487.05	45.154	
487.14	45.153	254.19
487.24	45.151	254.18
487.34	45.149	254.17
487.44	45.147	254.16
487.54	45.145	254.15
487.64	45.143	254.14
487.74	45.141	254.13
487.84	45.14	254.12
487.94	45.138	254.11
488.	45.136	254.1
488.01		
488.02		
488.05		
488.14	45.134	254.09
488.24	45.132	254.08
488.34	45.13	254.06
488.44	45.128	254.05
488.54	45.126	254.04
488.64	45.124	254.03
488.74	45.122	254.02
488.84	45.121	254.01
488.94	45.119	254.
489.	45.117	253.99
489.01		
489.02		
489.05	45.116	
489.14	45.115	253.98
489.24	45.113	253.97
489.34	45.111	253.96
489.44	45.109	253.95
489.54	45.107	253.93
489.64	45.105	253.92
489.74	45.103	253.91
489.84	45.101	253.9
489.94	45.099	253.89
490.	45.098	253.88
490.01		
490.02	45.097	
490.05		

490.14	45.095	253.87
490.24	45.093	253.86
490.34	45.091	253.84
490.44	45.089	253.83
490.54	45.087	253.82
490.64	45.085	253.81
490.74	45.083	253.8
490.84	45.081	253.79
490.94	45.079	253.77
491.	45.078	
491.01	45.077	
491.02		253.76
491.05		
491.14	45.075	253.75
491.24	45.073	253.74
491.34	45.071	253.73
491.44	45.069	253.72
491.54	45.067	253.7
491.64	45.065	253.69
491.74	45.063	253.68
491.84	45.06	253.67
491.94	45.058	253.66
492.	45.057	253.65
492.01		
492.02		
492.05	45.056	253.64
492.14	45.054	253.63
492.24	45.052	253.62
492.34	45.05	253.61
492.44	45.048	253.6
492.54	45.046	253.59
492.64	45.044	253.57
492.74	45.042	253.56
492.84	45.04	253.55
492.94	45.038	253.54
493.	45.037	253.53
493.01	45.036	
493.02		
493.05	45.035	
493.14	45.034	253.51
493.24	45.032	253.5
493.34	45.029	253.49
493.44	45.027	253.48
493.54	45.025	253.47
493.64	45.023	253.46
493.74	45.021	253.44
493.84	45.019	253.43
493.94	45.017	253.42

494.	45.016	253.41
494.01		
494.02	45.015	
494.05		
494.14	45.013	253.4
494.24	45.011	253.38
494.34	45.009	253.37
494.44	45.007	253.36
494.54	45.005	253.35
494.64	45.002	253.34
494.74	45.	253.32
494.84	44.998	253.31
494.94	44.996	253.3
495.	44.995	253.29
495.01		
495.02		
495.05	44.994	
495.14	44.992	253.28
495.24	44.99	253.26
495.34	44.988	253.25
495.44	44.986	253.24
495.54	44.984	253.23
495.64	44.982	253.22
495.74	44.98	253.2
495.84	44.978	253.19
495.94	44.975	253.18
496.	44.974	253.17
496.01		
496.02		
496.05	44.973	
496.14	44.971	253.16
496.24	44.969	253.14
496.34	44.967	253.13
496.44	44.965	253.12
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496.64	44.961	253.1
496.74	44.959	253.08
496.84	44.957	253.07
496.94	44.955	253.06
497.	44.953	253.05
497.01		
497.02		
497.05	44.952	
497.14	44.95	253.04
497.24	44.948	253.02
497.34	44.946	253.01
497.44	44.944	253.
497.54	44.942	252.99

497.64	44.94	252.98
497.74	44.938	252.96
497.84	44.936	252.95
497.94	44.934	252.94
498.	44.932	252.93
498.01		
498.02		
498.05	44.931	
498.14	44.93	252.92
498.24	44.927	252.91
498.34	44.925	252.89
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498.84	44.915	252.83
498.94	44.913	252.82
499.	44.912	252.81
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499.02	44.911	
499.05		
499.14	44.909	252.8
499.24	44.907	252.79
499.34	44.905	252.77
499.44	44.903	252.76
499.54	44.901	252.75
499.64	44.899	252.74
499.74	44.896	252.73
499.84	44.894	252.71
499.94	44.892	252.7
500.	44.891	
500.01		252.69
500.02		
500.05	44.89	
500.14	44.888	252.68
500.24	44.886	252.67
500.34	44.884	252.66
500.44	44.882	252.64
500.54	44.88	252.63
500.64	44.878	252.62
500.74	44.876	252.61
500.84	44.874	252.6
500.94	44.872	252.58
501.	44.871	
501.01	44.87	
501.02		
501.05		252.57
501.14	44.868	252.56

501.24	44.866	252.55
501.34	44.864	252.54
501.44	44.862	252.53
501.54	44.86	252.51
501.64	44.858	252.5
501.74	44.855	252.49
501.84	44.853	252.48
501.94	44.851	252.47
502.	44.85	252.46
502.01		
502.02		
502.05	44.849	
502.14	44.847	252.44
502.24	44.845	252.43
502.34	44.843	252.42
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502.64	44.837	252.39
502.74	44.835	252.38
502.84	44.833	252.36
502.94	44.831	252.35
503.	44.83	
503.01		252.34
503.02		
503.05	44.829	
503.14	44.827	252.33
503.24	44.825	252.32
503.34	44.823	252.31
503.44	44.821	252.3
503.54	44.819	252.28
503.64	44.817	252.27
503.74	44.815	252.26
503.84	44.813	252.25
503.94	44.811	252.24
504.	44.81	252.23
504.01		
504.02		
504.05	44.809	
504.14	44.807	252.22
504.24	44.806	252.21
504.34	44.804	252.19
504.44	44.802	252.18
504.54	44.8	252.17
504.64	44.798	252.16
504.74	44.796	252.15
504.84	44.794	252.14
504.94	44.792	252.13
505.	44.791	252.12

505.01	44.79	
505.02		
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505.14	44.788	252.1
505.24	44.786	252.09
505.34	44.784	252.08
505.44	44.782	252.07
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505.64	44.778	252.05
505.74	44.776	252.04
505.84	44.774	252.03
505.94	44.772	252.01
506.	44.771	
506.01		
506.02		
506.05	44.77	252.
506.14	44.768	251.99
506.24	44.766	251.98
506.34	44.764	251.97
506.44	44.762	251.96
506.54	44.76	251.95
506.64	44.759	251.94
506.74	44.757	251.93
506.84	44.755	251.91
506.94	44.753	251.9
507.	44.752	
507.01	44.751	
507.02		251.89
507.05		
507.14	44.749	251.88
507.24	44.747	251.87
507.34	44.745	251.86
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507.74	44.737	251.81
507.84	44.735	251.8
507.94	44.733	251.79
508.	44.732	
508.01		251.78
508.02		
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508.14	44.73	251.77
508.24	44.728	251.76
508.34	44.726	251.75
508.44	44.724	251.74
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508.64	44.72	251.72

508.74	44.718	251.7
508.84	44.716	251.69
508.94	44.714	251.68
509.	44.713	
509.01		251.67
509.02		
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509.14	44.71	251.66
509.24	44.708	251.65
509.34	44.706	251.64
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509.64	44.701	251.61
509.74	44.699	251.59
509.84	44.697	251.58
509.94	44.695	251.57
510.	44.694	
510.01		
510.02		251.56
510.05	44.693	
510.14	44.691	251.55
510.24	44.689	251.54
510.34	44.687	251.53
510.44	44.686	251.52
510.54	44.684	251.51
510.64	44.682	251.5
510.74	44.68	251.49
510.84	44.678	251.48
510.94	44.676	251.47
511.	44.675	251.46
511.01		
511.02		
511.05	44.674	251.45
511.14	44.672	251.44
511.24	44.67	251.43
511.34	44.669	251.42
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511.64	44.663	251.39
511.74	44.661	251.38
511.84	44.659	251.37
511.94	44.657	251.36
512.	44.656	251.35
512.01		
512.02	44.655	
512.05		251.34
512.14	44.653	251.33
512.24	44.651	251.32

512.34	44.649	251.31
512.44	44.647	251.3
512.54	44.645	251.29
512.64	44.644	251.28
512.74	44.642	251.27
512.84	44.64	251.26
512.94	44.638	251.24
513.	44.637	
513.01	44.636	
513.02		
513.05		251.23
513.14	44.634	251.22
513.24	44.632	251.21
513.34	44.63	251.2
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513.54	44.626	251.18
513.64	44.624	251.17
513.74	44.623	251.16
513.84	44.621	251.15
513.94	44.619	251.14
514.	44.618	251.13
514.01	44.617	
514.02		
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514.34	44.611	251.09
514.44	44.609	251.08
514.54	44.607	251.07
514.64	44.606	251.06
514.74	44.604	251.05
514.84	44.602	251.04
514.94	44.6	251.03
515.	44.599	251.02
515.01		
515.02		
515.05	44.598	
515.14	44.596	251.01
515.24	44.594	251.
515.34	44.593	250.99
515.44	44.591	250.98
515.54	44.589	250.97
515.64	44.587	250.96
515.74	44.585	250.95
515.84	44.583	250.93
515.94	44.582	250.92
516.	44.58	
516.01		

516.02		
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516.14	44.578	250.9
516.24	44.576	250.89
516.34	44.574	250.88
516.44	44.572	250.87
516.54	44.571	250.86
516.64	44.569	250.85
516.74	44.567	250.84
516.84	44.565	250.83
516.94	44.563	250.82
517.	44.562	250.81
517.01		
517.02		
517.05	44.561	
517.14	44.559	250.8
517.24	44.558	250.79
517.34	44.556	250.78
517.44	44.554	250.77
517.54	44.552	250.75
517.64	44.55	250.74
517.74	44.548	250.73
517.84	44.546	250.72
517.94	44.545	250.71
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518.24	44.539	250.68
518.34	44.537	250.67
518.44	44.535	250.66
518.54	44.534	250.65
518.64	44.532	250.64
518.74	44.53	250.63
518.84	44.528	250.62
518.94	44.526	250.61
519.	44.525	250.6
519.01		
519.02		
519.05	44.524	250.59
519.14	44.523	250.58
519.24	44.521	250.57
519.34	44.519	250.56
519.44	44.517	250.55
519.54	44.515	250.54
519.64	44.513	250.53
519.74	44.512	250.52

519.84	44.51	250.51
519.94	44.508	250.5
520.	44.507	250.49
520.01		
520.02	44.506	
520.05		
520.14	44.504	250.48
520.24	44.502	250.47
520.34	44.501	250.46
520.44	44.499	250.45
520.54	44.497	250.44
520.64	44.495	250.43
520.74	44.493	250.42
520.84	44.491	250.41
520.94	44.49	250.39
521.	44.489	
521.01	44.488	
521.02		
521.05		250.38
521.14	44.486	250.37
521.24	44.484	250.36
521.34	44.482	250.35
521.44	44.48	250.34
521.54	44.479	250.33
521.64	44.477	250.32
521.74	44.475	250.31
521.84	44.473	250.3
521.94	44.471	250.29
522.	44.47	250.28
522.01		
522.02		
522.05	44.469	
522.14	44.468	250.27
522.24	44.466	250.26
522.34	44.464	250.25
522.44	44.462	250.24
522.54	44.46	250.23
522.64	44.459	250.22
522.74	44.457	250.2
522.84	44.455	250.19
522.94	44.453	250.18
523.	44.452	
523.01		
523.02		
523.05	44.451	250.17
523.14	44.45	250.16
523.24	44.448	250.15
523.34	44.446	250.14

523.44	44.444	250.13
523.54	44.442	250.12
523.64	44.44	250.11
523.74	44.439	250.1
523.84	44.437	250.09
523.94	44.435	250.08
524.	44.434	250.07
524.01		
524.02		
524.05	44.433	
524.14	44.431	250.06
524.24	44.43	250.05
524.34	44.428	250.04
524.44	44.426	250.03
524.54	44.424	250.02
524.64	44.422	250.01
524.74	44.421	249.99
524.84	44.419	249.98
524.94	44.417	249.97
525.	44.416	
525.01		
525.02	44.415	249.96
525.05		
525.14	44.413	249.95
525.24	44.411	249.94
525.34	44.41	249.93
525.44	44.408	249.92
525.54	44.406	249.91
525.64	44.404	249.9
525.74	44.402	249.89
525.84	44.4	249.88
525.94	44.399	249.87
526.	44.398	249.86
526.01	44.397	
526.02		
526.05		
526.14	44.395	249.85
526.24	44.393	249.84
526.34	44.391	249.83
526.44	44.389	249.81
526.54	44.388	249.8
526.64	44.386	249.79
526.74	44.384	249.78
526.84	44.382	249.77
526.94	44.38	249.76
527.	44.379	
527.01		249.75
527.02		

527.05	44.378	
527.14	44.377	249.74
527.24	44.375	249.73
527.34	44.373	249.72
527.44	44.371	249.71
527.54	44.369	249.7
527.64	44.368	249.69
527.74	44.366	249.68
527.84	44.364	249.67
527.94	44.362	249.66
528.	44.361	249.65
528.01		
528.02		
528.05	44.36	249.64
528.14	44.359	
528.24	44.357	249.62
528.34	44.355	249.61
528.44	44.353	249.6
528.54	44.351	249.59
528.64	44.349	249.58
528.74	44.348	249.57
528.84	44.346	249.56
528.94	44.344	249.55
529.	44.343	249.54
529.01		
529.02		
529.05	44.342	
529.14	44.34	249.53
529.24	44.339	249.52
529.34	44.337	249.51
529.44	44.335	249.5
529.54	44.333	249.49
529.64	44.331	249.48
529.74	44.33	249.47
529.84	44.328	249.46
529.94	44.326	249.45
530.	44.325	249.44
530.01		
530.02	44.324	
530.05		249.43
530.14	44.322	249.42
530.24	44.32	249.41
530.34	44.319	249.4
530.44	44.317	249.39
530.54	44.315	249.38
530.64	44.313	249.37
530.74	44.311	249.36
530.84	44.31	249.35

530.94	44.308	249.34
531.	44.307	249.33
531.01		
531.02	44.306	
531.05		
531.14	44.304	249.32
531.24	44.302	249.31
531.34	44.301	249.3
531.44	44.299	249.29
531.54	44.297	249.28
531.64	44.295	249.27
531.74	44.293	249.25
531.84	44.292	249.24
531.94	44.29	249.23
532.	44.289	
532.01	44.288	
532.02		
532.05		249.22
532.14	44.286	249.21
532.24	44.284	249.2
532.34	44.282	249.19
532.44	44.281	249.18
532.54	44.279	249.17
532.64	44.277	249.16
532.74	44.275	249.15
532.84	44.273	249.14
532.94	44.272	249.13
533.	44.271	249.12
533.01	44.27	
533.02		
533.05		
533.14	44.268	249.11
533.24	44.266	249.1
533.34	44.264	249.09
533.44	44.263	249.07
533.54	44.261	249.06
533.64	44.259	249.05
533.74	44.257	249.04
533.84	44.255	249.03
533.94	44.254	249.02
534.	44.253	
534.01	44.252	249.01
534.02		
534.05		
534.14	44.25	249.
534.24	44.248	248.99
534.34	44.247	248.98
534.44	44.245	248.97

534.54	44.243	248.96
534.64	44.241	248.95
534.74	44.239	248.94
534.84	44.238	248.93
534.94	44.236	248.92
535.	44.235	248.91
535.01		
535.02	44.234	
535.05		248.9
535.14	44.232	
535.24	44.23	248.88
535.34	44.229	248.87
535.44	44.227	248.86
535.54	44.225	248.85
535.64	44.223	248.84
535.74	44.222	248.83
535.84	44.22	248.82
535.94	44.218	248.81
536.	44.217	
536.01		248.8
536.02		
536.05	44.216	
536.14	44.214	248.79
536.24	44.213	248.78
536.34	44.211	248.77
536.44	44.209	248.76
536.54	44.207	248.75
536.64	44.206	248.74
536.74	44.204	248.73
536.84	44.202	248.72
536.94	44.2	248.71
537.	44.199	248.7
537.01		
537.02		
537.05	44.198	248.69
537.14	44.197	
537.24	44.195	248.67
537.34	44.193	248.66
537.44	44.191	248.65
537.54	44.19	248.64
537.64	44.188	248.63
537.74	44.186	248.62
537.84	44.184	248.61
537.94	44.183	248.6
538.	44.182	248.59
538.01	44.181	
538.02		
538.05		

538.14	44.179	248.58
538.24	44.177	248.57
538.34	44.175	248.56
538.44	44.174	248.55
538.54	44.172	248.54
538.64	44.17	248.53
538.74	44.168	248.52
538.84	44.167	248.51
538.94	44.165	248.5
539.	44.164	248.49
539.01		
539.02	44.163	
539.05		248.48
539.14	44.161	248.47
539.24	44.16	248.46
539.34	44.158	248.45
539.44	44.156	248.44
539.54	44.154	248.43
539.64	44.153	248.42
539.74	44.151	248.41
539.84	44.149	248.4
539.94	44.147	248.39
540.	44.146	248.38
540.01		
540.02		
540.05	44.145	
540.14	44.144	248.37
540.24	44.142	248.36
540.34	44.14	248.35
540.44	44.138	248.34
540.54	44.137	248.33
540.64	44.135	248.32
540.74	44.133	248.31
540.84	44.131	248.3
540.94	44.13	248.28
541.	44.128	
541.01		
541.02		
541.05		248.27
541.14	44.126	248.26
541.24	44.124	248.25
541.34	44.123	248.24
541.44	44.121	248.23
541.54	44.119	248.22
541.64	44.117	248.21
541.74	44.115	248.2
541.84	44.114	248.19
541.94	44.112	248.18

542.	44.111	248.17
542.01		
542.02		
542.05	44.11	
542.14	44.108	248.16
542.24	44.107	248.15
542.34	44.105	248.14
542.44	44.103	248.13
542.54	44.101	248.12
542.64	44.1	248.11
542.74	44.098	248.1
542.84	44.096	248.09
542.94	44.095	248.08
543.	44.093	248.07
543.01		
543.02		
543.05		248.06
543.14	44.091	
543.24	44.089	248.05
543.34	44.088	248.03
543.44	44.086	248.02
543.54	44.084	248.01
543.64	44.082	248.
543.74	44.081	247.99
543.84	44.079	247.98
543.94	44.077	247.97
544.	44.076	
544.01		
544.02		247.96
544.05	44.075	
544.14	44.074	247.95
544.24	44.072	247.94
544.34	44.07	247.93
544.44	44.069	247.92
544.54	44.067	247.91
544.64	44.065	247.9
544.74	44.063	247.89
544.84	44.062	247.88
544.94	44.06	247.87
545.	44.059	247.86
545.01		
545.02		
545.05	44.058	
545.14	44.057	247.85
545.24	44.055	247.84
545.34	44.053	247.83
545.44	44.052	247.82
545.54	44.05	247.81

545.64	44.048	247.8
545.74	44.046	247.79
545.84	44.045	247.78
545.94	44.043	247.77
546.	44.042	247.76
546.01		
546.02		
546.05	44.041	
546.14	44.04	247.75
546.24	44.038	247.74
546.34	44.036	247.73
546.44	44.035	247.72
546.54	44.033	247.71
546.64	44.031	247.7
546.74	44.029	247.69
546.84	44.028	247.68
546.94	44.026	247.67
547.	44.025	247.66
547.01		
547.02		
547.05	44.024	
547.14	44.023	247.65
547.24	44.021	247.64
547.34	44.019	247.63
547.44	44.017	247.62
547.54	44.016	247.61
547.64	44.014	247.6
547.74	44.012	247.59
547.84	44.011	247.58
547.94	44.009	247.57
548.	44.008	247.56
548.01		
548.02	44.007	
548.05		
548.14	44.005	247.55
548.24	44.004	247.54
548.34	44.002	247.53
548.44	44.	247.52
548.54	43.999	247.51
548.64	43.997	247.5
548.74	43.995	247.49
548.84	43.994	247.48
548.94	43.992	247.47
549.	43.991	247.46
549.01		
549.02	43.99	
549.05		247.45
549.14	43.988	

549.24	43.987	247.44
549.34	43.985	247.42
549.44	43.983	247.41
549.54	43.982	247.4
549.64	43.98	247.39
549.74	43.978	247.38
549.84	43.977	247.37
549.94	43.975	247.36
550.	43.974	
550.01		
550.02		
550.05	43.973	247.35
550.14	43.972	247.34
550.24	43.97	247.33
550.34	43.968	247.32
550.44	43.966	247.31
550.54	43.965	247.3
550.64	43.963	247.29
550.74	43.961	247.28
550.84	43.96	247.27
550.94	43.958	247.26
551.	43.957	
551.01		247.25
551.02		
551.05	43.956	
551.14	43.955	247.24
551.24	43.953	247.23
551.34	43.951	247.22
551.44	43.949	247.21
551.54	43.948	247.2
551.64	43.946	247.19
551.74	43.944	247.18
551.84	43.943	247.17
551.94	43.941	247.16
552.	43.94	247.15
552.01		
552.02		
552.05	43.939	
552.14	43.937	247.14
552.24	43.936	247.13
552.34	43.934	247.12
552.44	43.932	247.11
552.54	43.931	247.1
552.64	43.929	247.09
552.74	43.927	247.08
552.84	43.926	247.07
552.94	43.924	247.06
553.	43.923	247.05

553.01		
553.02		
553.05	43.922	
553.14	43.92	247.04
553.24	43.919	247.03
553.34	43.917	247.02
553.44	43.915	247.01
553.54	43.914	247.
553.64	43.912	246.99
553.74	43.91	246.98
553.84	43.909	246.97
553.94	43.907	246.96
554.	43.906	246.95
554.01		
554.02		
554.05	43.905	246.94
554.14	43.904	246.93
554.24	43.902	246.92
554.34	43.9	246.91
554.44	43.899	246.9
554.54	43.897	246.89
554.64	43.895	246.88
554.74	43.894	246.87
554.84	43.892	246.86
554.94	43.89	246.85
555.	43.889	
555.05	43.888	246.84
555.1	43.887	
555.25	43.885	246.82
555.7	43.877	246.78
556.2	43.869	246.73
556.7	43.861	246.68
557.2	43.853	246.63
557.7	43.845	246.58
558.2	43.837	246.54
558.7	43.829	246.49
559.2	43.821	246.44
559.7	43.813	246.4
560.	43.809	246.37
560.05	43.808	
560.1	43.807	246.36
560.25	43.805	246.35
560.7	43.798	246.31
561.2	43.79	246.26
561.7	43.782	246.22
562.2	43.775	246.18
562.7	43.767	246.13
563.2	43.76	246.09

563.7	43.752	246.04
564.2	43.744	246.
564.7	43.737	245.95
565.	43.732	245.93
565.05	43.731	245.92
565.1		
565.25	43.728	245.9
565.7	43.721	245.86
566.2	43.714	245.82
566.7	43.706	245.77
567.2	43.699	245.73
567.7	43.691	245.68
568.2	43.684	245.64
568.7	43.676	245.59
569.2	43.668	245.55
569.7	43.661	245.51
570.	43.656	245.48
570.05		245.47
570.1	43.655	
570.25	43.652	245.46
570.7	43.646	245.42
571.2	43.638	245.37
571.7	43.631	245.33
572.2	43.623	245.28
572.7	43.616	245.24
573.2	43.608	245.19
573.7	43.6	245.15
574.2	43.593	245.1
574.7	43.585	245.06
575.	43.581	245.03
575.05	43.58	
575.1	43.579	245.02
575.25	43.577	245.01
575.7	43.57	244.97
576.2	43.563	244.93
576.7	43.555	244.88
577.2	43.548	244.84
577.7	43.54	244.79
578.2	43.533	244.75
578.7	43.525	244.7
579.2	43.518	244.66
579.7	43.511	244.62
580.	43.506	244.59
580.05	43.505	244.58
580.1		
580.25	43.502	244.57
580.7	43.496	244.53
581.2	43.488	244.48

581.7	43.481	244.44
582.2	43.473	244.39
582.7	43.466	244.35
583.2	43.458	244.3
583.7	43.451	244.26
584.2	43.443	244.22
584.7	43.436	244.17
585.	43.432	244.15
585.05	43.431	244.14
585.1	43.43	
585.25	43.428	244.12
585.7	43.421	244.08
586.2	43.414	244.04
586.7	43.406	243.99
587.2	43.399	243.95
587.7	43.392	243.91
588.2	43.384	243.86
588.7	43.377	243.82
589.2	43.369	243.77
589.7	43.362	243.73
590.	43.358	243.7
590.05	43.357	
590.1	43.356	243.69
590.25	43.354	243.68
590.7	43.347	243.64
591.2	43.34	243.6
591.7	43.333	243.55
592.2	43.325	243.51
592.7	43.318	243.46
593.2	43.31	243.42
593.7	43.303	243.37
594.2	43.296	243.33
594.7	43.288	243.29
595.	43.284	243.26
595.05	43.283	243.25
595.1	43.282	
595.25	43.28	243.24
595.7	43.274	243.2
596.2	43.266	243.15
596.7	43.259	243.11
597.2	43.252	243.06
597.7	43.244	243.02
598.2	43.237	242.98
598.7	43.23	242.93
599.2	43.222	242.89
599.7	43.215	242.84
600.	43.211	242.82
601.	43.196	242.73

602.	43.182	242.64
605.	43.138	242.38
614.	43.009	241.58
623.	42.88	240.79
633.	42.739	239.91
643.	42.6	239.04
653.	42.461	238.16
663.	42.324	237.29
673.	42.189	236.42
683.	42.054	235.55
693.	41.921	234.68
700.	41.829	234.07
701.	41.816	233.98
702.	41.803	233.89
705.	41.763	233.63
714.	41.646	232.85
723.	41.529	232.07
733.	41.401	231.2
743.	41.274	230.33
753.	41.148	229.47
763.	41.023	228.6
773.	40.899	227.73
783.	40.777	226.87
793.	40.655	226.
800.	40.57	225.4
801.	40.558	225.31
802.	40.546	225.22
805.	40.51	224.96
814.	40.403	224.18
824.	40.284	223.32
834.	40.166	222.46
844.	40.049	221.59
854.	39.933	220.73
864.	39.819	219.87
874.	39.705	219.01
884.	39.592	218.15
894.	39.48	217.29
900.	39.413	216.77
901.	39.402	216.69
902.	39.39	216.6
905.	39.357	216.34
914.	39.258	215.57
924.	39.148	214.72
934.	39.039	213.86
944.	38.931	213.01
954.	38.824	212.15
964.	38.718	211.3
974.	38.612	210.45

984.	38.507	209.61
994.	38.403	208.76
1000.	38.341	208.25
1002.	38.32	208.08
1004.	38.299	207.91
1010.	38.237	207.41
1028.	38.054	205.9
1046.	37.873	204.39
1066.	37.675	202.73
1086.	37.479	201.07
1106.	37.286	199.43
1126.	37.095	197.79
1146.	36.906	196.16
1166.	36.72	194.55
1186.	36.536	192.95
1200.	36.408	191.83
1202.	36.39	191.67
1204.	36.372	191.51
1210.	36.317	191.04
1228.	36.156	189.62
1246.	35.997	188.2
1266.	35.822	186.65
1286.	35.65	185.11
1306.	35.48	183.58
1326.	35.312	182.06
1346.	35.146	180.56
1366.	34.982	179.07
1386.	34.82	177.59
1400.	34.708	176.56
1402.	34.692	176.41
1404.	34.676	176.27
1410.	34.628	175.83
1428.	34.486	174.53
1446.	34.345	173.23
1466.	34.191	171.81
1486.	34.039	170.4
1506.	33.889	169.
1526.	33.74	167.62
1546.	33.593	166.25
1566.	33.448	164.9
1586.	33.305	163.55
1600.	33.205	162.62
1602.	33.191	162.49
1604.	33.177	162.36
1610.	33.135	161.96
1628.	33.009	160.78
1646.	32.884	159.6
1666.	32.747	158.31

1686.	32.612	157.04
1706.	32.479	155.78
1726.	32.347	154.53
1746.	32.216	153.29
1766.	32.087	152.07
1786.	31.96	150.86
1800.	31.872	150.02
1802.	31.859	149.9
1804.	31.847	149.78
1810.	31.809	149.42
1828.	31.697	148.35
1846.	31.586	147.3
1866.	31.464	146.14
1886.	31.344	145.
1906.	31.225	143.86
1926.	31.108	142.74
1946.	30.992	141.63
1966.	30.877	140.54
1986.	30.763	139.45
2000.	30.685	138.7
2002.	30.673	138.59
2004.	30.662	138.48
2010.	30.629	138.16
2028.	30.528	137.2
2048.	30.415	136.15
2068.	30.301	135.11
2088.	30.188	134.08
2108.	30.076	133.06
2128.	29.966	132.06
2148.	29.857	131.06
2168.	29.75	130.07
2188.	29.642	129.1
2200.	29.577	128.51
2202.	29.566	128.42
2204.	29.556	128.32
2210.	29.523	128.03
2228.	29.428	127.17
2248.	29.323	126.22
2268.	29.219	125.29
2288.	29.115	124.36
2308.	29.012	123.44
2328.	28.91	122.53
2348.	28.809	121.63
2368.	28.709	120.74
2388.	28.611	119.86
2400.	28.552	119.34
2402.	28.543	119.25
2404.	28.533	119.16

2410.	28.504	118.9
2428.	28.416	118.12
2448.	28.319	117.27
2468.	28.224	116.42
2488.	28.129	115.58
2508.	28.036	114.75
2528.	27.944	113.93
2548.	27.853	113.11
2568.	27.763	112.31
2588.	27.673	111.51
2600.	27.619	111.04
2602.	27.61	110.96
2604.	27.601	110.88
2610.	27.575	110.64
2628.	27.495	109.94
2648.	27.408	109.16
2668.	27.322	108.39
2688.	27.237	107.64
2708.	27.154	106.88
2728.	27.071	106.14
2748.	26.989	105.4
2768.	26.908	104.67
2788.	26.827	103.95
2800.	26.779	103.52
2802.	26.771	103.45
2804.	26.763	103.38
2810.	26.739	103.16
2828.	26.668	102.53
2848.	26.589	101.83
2868.	26.512	101.14
2888.	26.436	100.45
2908.	26.36	99.773
2928.	26.286	99.1
2948.	26.212	98.435
2968.	26.139	97.775
2988.	26.067	97.122
3000.	26.024	96.733
3002.	26.017	96.668
3004.	26.01	96.603
3010.	25.989	96.409
3028.	25.926	95.832
3048.	25.856	95.197
3068.	25.787	94.569
3088.	25.719	93.946
3108.	25.651	93.329
3128.	25.584	92.718
3148.	25.518	92.113
3168.	25.452	91.513

3188.	25.387	90.919
3200.	25.349	90.565
3202.	25.342	90.506
3204.	25.336	90.447
3210.	25.317	90.27
3228.	25.26	89.745
3248.	25.197	89.168
3268.	25.135	88.596
3288.	25.074	88.029
3308.	25.013	87.467
3328.	24.953	86.911
3348.	24.894	86.359
3368.	24.835	85.813
3388.	24.777	85.272
3400.	24.743	84.949
3402.	24.737	84.895
3404.	24.731	84.841
3410.	24.714	84.68
3428.	24.663	84.202
3448.	24.607	83.675
3468.	24.551	83.154
3488.	24.497	82.639
3508.	24.442	82.13
3528.	24.388	81.625
3548.	24.335	81.125
3568.	24.281	80.63
3588.	24.229	80.138
3600.	24.198	79.845
3602.	24.192	79.796
3604.	24.187	79.748
3610.	24.172	79.602
3628.	24.125	79.167
3648.	24.074	78.689
3668.	24.024	78.216
3688.	23.974	77.746
3708.	23.925	77.281
3728.	23.876	76.819
3748.	23.828	76.361
3768.	23.78	75.908
3788.	23.732	75.459
3800.	23.704	75.191
3802.	23.7	75.146
3804.	23.695	75.102
3810.	23.681	74.968
3828.	23.639	74.571
3848.	23.593	74.134
3868.	23.548	73.7
3888.	23.503	73.27

3908.	23.458	72.844
3928.	23.414	72.422
3948.	23.37	72.004
3968.	23.327	71.589
3988.	23.284	71.178
4000.	23.258	70.932
4002.	23.254	70.891
4004.	23.25	70.85
4010.	23.237	70.728
4028.	23.199	70.364
4048.	23.158	69.964
4068.	23.117	69.569
4088.	23.076	69.177
4108.	23.035	68.789
4128.	22.995	68.404
4148.	22.955	68.023
4168.	22.915	67.645
4188.	22.876	67.27
4200.	22.852	67.046
4202.	22.848	67.008
4204.	22.844	66.971
4210.	22.833	66.86
4228.	22.798	66.528
4248.	22.76	66.162
4268.	22.722	65.8
4288.	22.684	65.44
4308.	22.647	65.084
4328.	22.61	64.731
4348.	22.574	64.38
4368.	22.537	64.033
4388.	22.502	63.688
4400.	22.48	63.483
4402.	22.477	63.448
4404.	22.473	63.414
4410.	22.462	63.312
4428.	22.431	63.007
4448.	22.396	62.671
4468.	22.361	62.338
4488.	22.327	62.007
4508.	22.293	61.68
4528.	22.259	61.355
4548.	22.226	61.033
4568.	22.193	60.713
4588.	22.16	60.398
4600.	22.14	60.21
4602.	22.137	60.178
4604.	22.134	60.147
4610.	22.124	60.053

4628.	22.095	59.775
4648.	22.063	59.467
4668.	22.031	59.163
4688.	22.	58.86
4708.	21.969	58.56
4728.	21.938	58.263
4748.	21.907	57.968
4768.	21.876	57.675
4788.	21.846	57.385
4800.	21.827	57.212
4802.	21.824	57.183
4804.	21.821	57.154
4810.	21.812	57.068
4828.	21.785	56.811
4848.	21.755	56.528
4868.	21.726	56.247
4888.	21.697	55.968
4908.	21.668	55.692
4928.	21.639	55.417
4948.	21.61	55.145
4968.	21.582	54.876
4988.	21.554	54.608
5000.	21.537	54.448
5002.	21.534	54.422
5004.	21.532	54.395
5010.	21.523	54.315
5028.	21.498	54.078
5048.	21.471	53.817
5068.	21.444	53.559
5088.	21.417	53.304
5108.	21.39	53.05
5128.	21.363	52.798
5148.	21.337	52.549
5168.	21.311	52.301
5188.	21.285	52.055
5200.	21.27	51.909
5202.	21.267	51.884
5204.	21.264	51.86
5206.	21.262	51.835
5212.	21.254	51.762
5230.	21.231	51.545
5250.	21.206	51.305
5270.	21.181	51.067
5290.	21.156	50.831
5310.	21.131	50.597
5330.	21.107	50.365
5350.	21.082	50.134
5370.	21.058	49.905

5390.	21.033	49.678
5400.	21.021	49.565
5402.	21.019	49.543
5404.	21.016	49.52
5410.	21.009	49.452
5428.	20.987	49.251
5448.	20.964	49.029
5468.	20.94	48.809
5488.	20.917	48.591
5508.	20.893	48.374
5528.	20.87	48.16
5548.	20.847	47.948
5568.	20.824	47.737
5588.	20.802	47.528
5600.	20.788	47.403
5602.	20.786	47.383
5604.	20.784	47.362
5610.	20.777	47.3
5628.	20.757	47.114
5648.	20.735	46.91
5668.	20.713	46.708
5688.	20.691	46.506
5708.	20.67	46.307
5728.	20.648	46.109
5748.	20.627	45.912
5768.	20.606	45.717
5788.	20.585	45.523
5800.	20.572	45.407
5802.	20.57	45.388
5804.	20.568	45.369
5810.	20.562	45.311
5828.	20.543	45.14
5848.	20.523	44.95
5868.	20.502	44.763
5888.	20.482	44.576
5908.	20.462	44.391
5928.	20.442	44.207
5948.	20.422	44.025
5968.	20.402	43.846
5988.	20.382	43.667
6000.	20.37	43.56
6002.	20.368	43.543
6004.	20.366	43.525
6010.	20.36	43.472
6028.	20.343	43.313
6048.	20.323	43.139
6068.	20.304	42.966
6088.	20.285	42.794

6108.	20.266	42.623
6128.	20.247	42.453
6148.	20.228	42.285
6168.	20.209	42.118
6188.	20.191	41.953
6200.	20.18	41.854
6202.	20.178	41.837
6204.	20.176	41.821
6210.	20.171	41.771
6228.	20.154	41.624
6248.	20.136	41.462
6268.	20.118	41.301
6288.	20.1	41.142
6308.	20.082	40.983
6328.	20.065	40.826
6348.	20.047	40.669
6368.	20.03	40.514
6388.	20.013	40.361
6400.	20.002	40.27
6402.	20.001	40.254
6404.	19.999	40.239
6410.	19.994	40.194
6428.	19.978	40.058
6448.	19.962	39.908
6468.	19.945	39.759
6488.	19.928	39.612
6508.	19.911	39.465
6528.	19.894	39.32
6548.	19.877	39.175
6568.	19.861	39.032
6588.	19.844	38.89
6600.	19.835	38.804
6602.	19.833	38.79
6604.	19.831	38.776
6610.	19.826	38.734
6628.	19.812	38.607
6648.	19.796	38.468
6668.	19.78	38.33
6688.	19.764	38.193
6708.	19.748	38.056
6728.	19.732	37.921
6748.	19.717	37.786
6768.	19.701	37.653
6788.	19.686	37.521
6800.	19.677	37.442
6802.	19.675	37.429
6804.	19.674	37.416
6810.	19.669	37.377

6828.	19.656	37.26
6848.	19.641	37.131
6868.	19.626	37.003
6888.	19.611	36.876
6908.	19.596	36.749
6928.	19.581	36.624
6948.	19.567	36.499
6968.	19.552	36.376
6988.	19.538	36.253
7000.	19.529	36.18
7002.	19.528	36.167
7004.	19.526	36.155
7010.	19.522	36.119
7028.	19.509	36.01
7048.	19.495	35.889
7068.	19.48	35.77
7088.	19.466	35.652
7108.	19.452	35.534
7128.	19.438	35.417
7148.	19.424	35.301
7168.	19.411	35.186
7188.	19.397	35.072
7200.	19.389	35.004

Material Data

Drum Contents

TABLE 33
Drum Contents > Constants

Density	1160 kg m^-3

TABLE 34
Drum Contents > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
0.51	23.5
0.178	40.5

TABLE 35
Drum Contents > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
2650.2	20
2700.5	40

Drum Steel

TABLE 36
Drum Steel > Constants

Density	7854 kg m^-3

TABLE 37
Drum Steel > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

TABLE 38
Drum Steel > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

Air

TABLE 39
Air > Isotropic Thermal Conductivity

Thermal Conductivity W m^-1 C^-1	Temperature C
2.63e-002	26.85
3.38e-002	126.85
4.07e-002	226.85

TABLE 40
Air > Density

Density kg m^-3	Temperature C
1.1614	26.85
0.8711	126.85
0.6964	226.85

TABLE 41
Air > Specific Heat

Specific Heat J kg^-1 C^-1	Temperature C
1007	26.85
1014	126.85
1030	226.85

TABLE 42
Air > Isotropic Relative Permeability

Relative Permeability
1

Concrete

TABLE 43
Concrete > Constants

Density	2300 kg m^-3

Thermal Conductivity	1.4 W m^-1 C^-1
Specific Heat	880 J kg^-1 C^-1

Room Steel

TABLE 44
Room Steel > Constants

Density	7854 kg m^-3

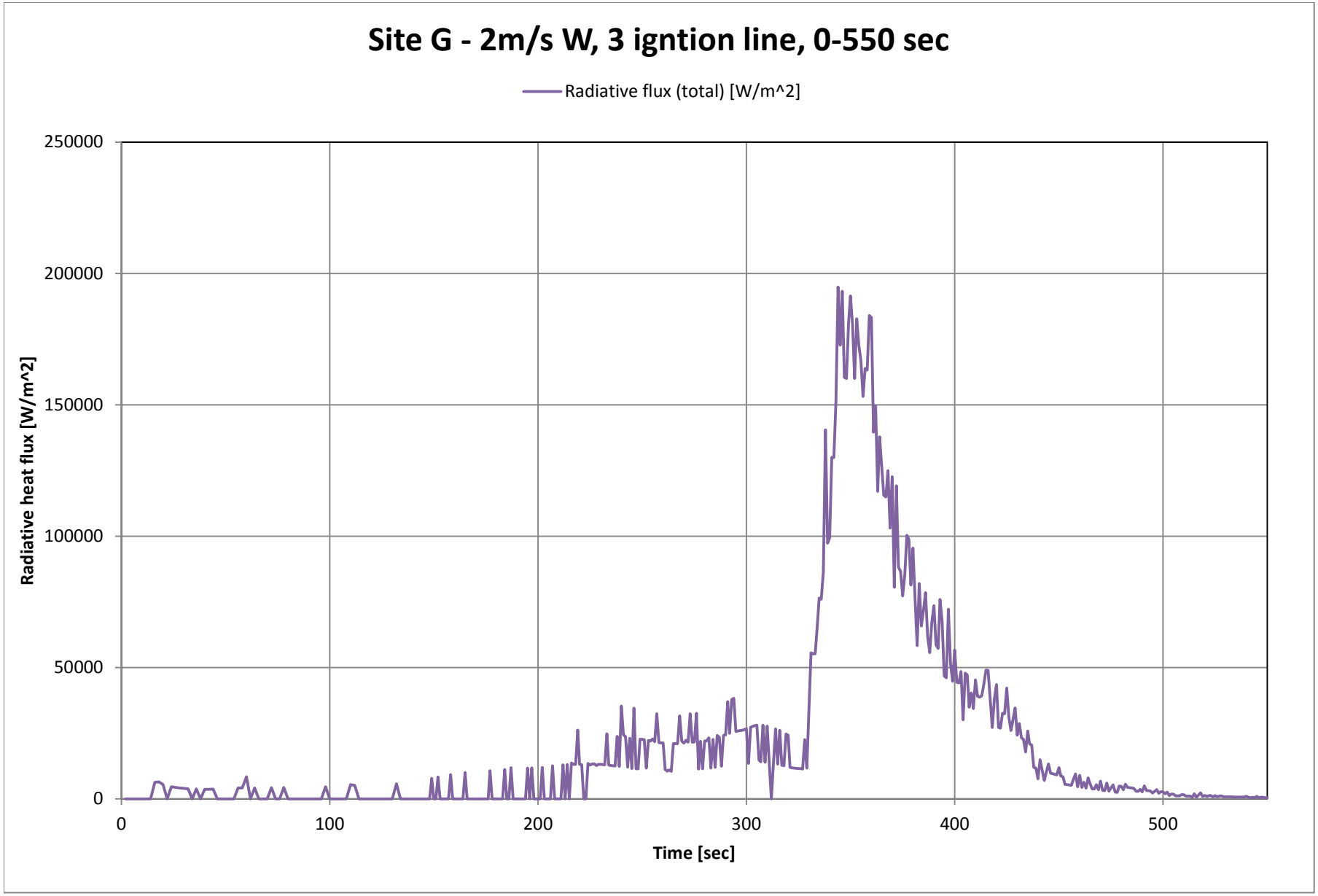
TABLE 45
Room Steel > Isotropic Thermal Conductivity

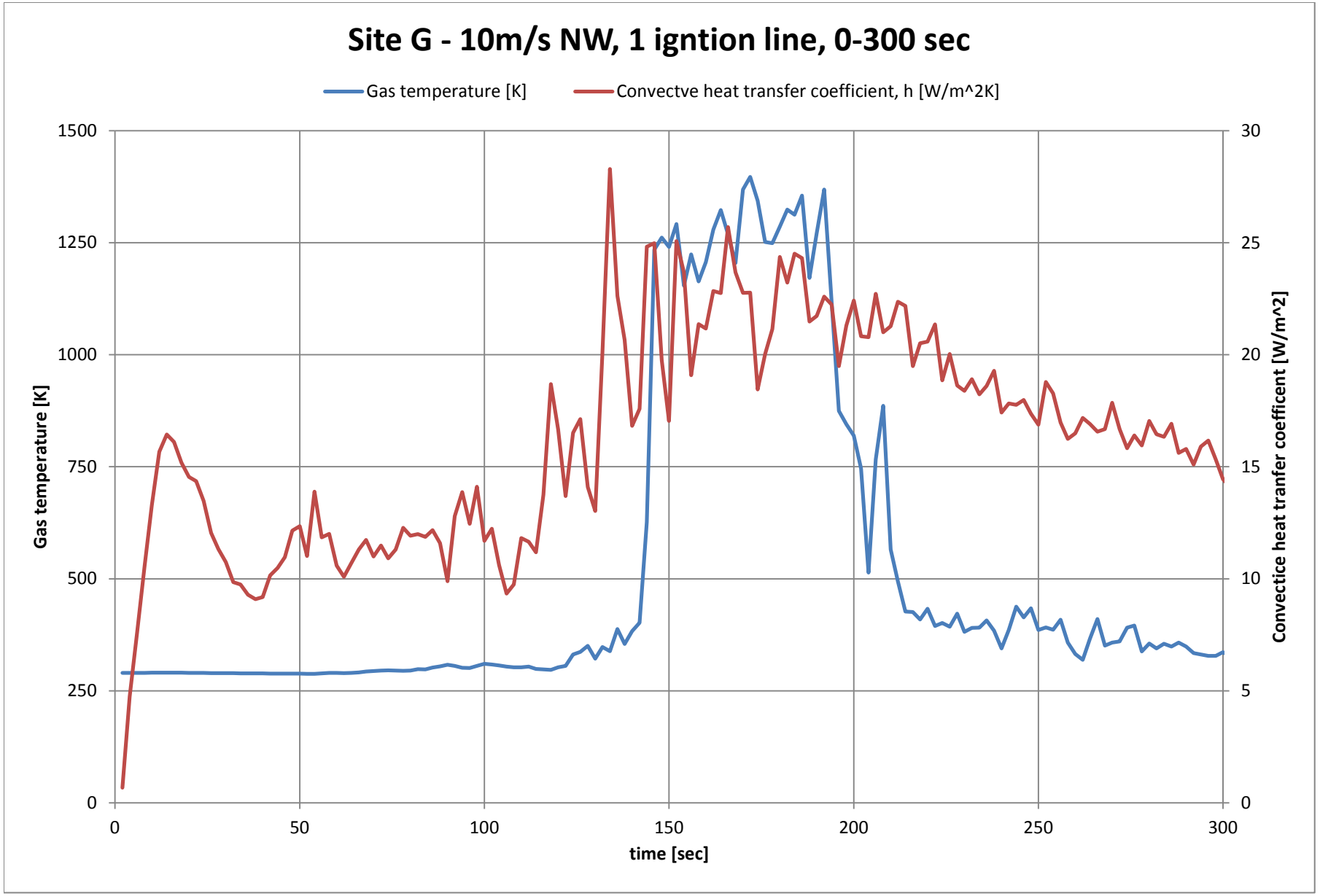
Thermal Conductivity W m^-1 C^-1	Temperature C
60.5	26.85
56.7	126.85
48	326.85

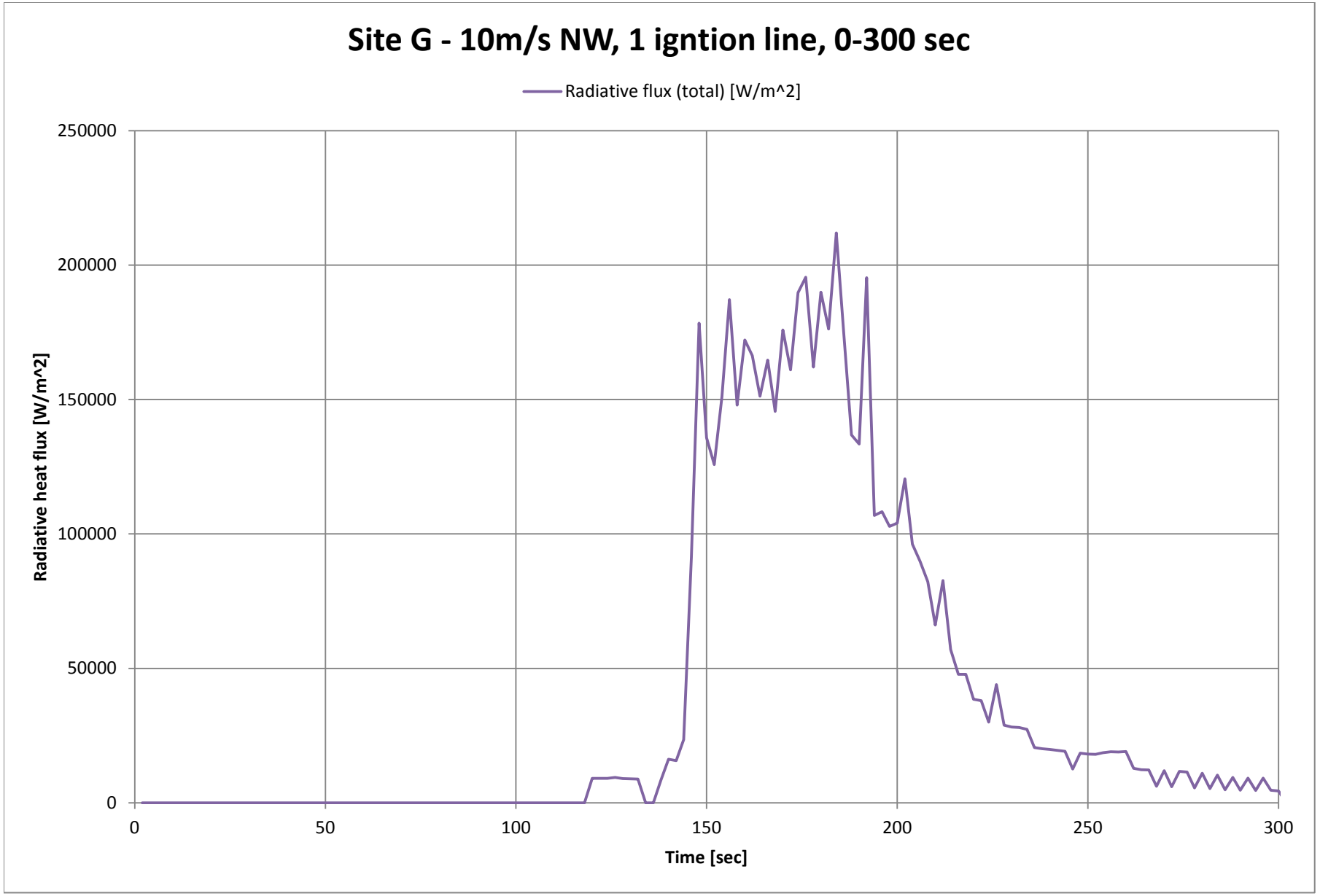
TABLE 46
Room Steel > Specific Heat

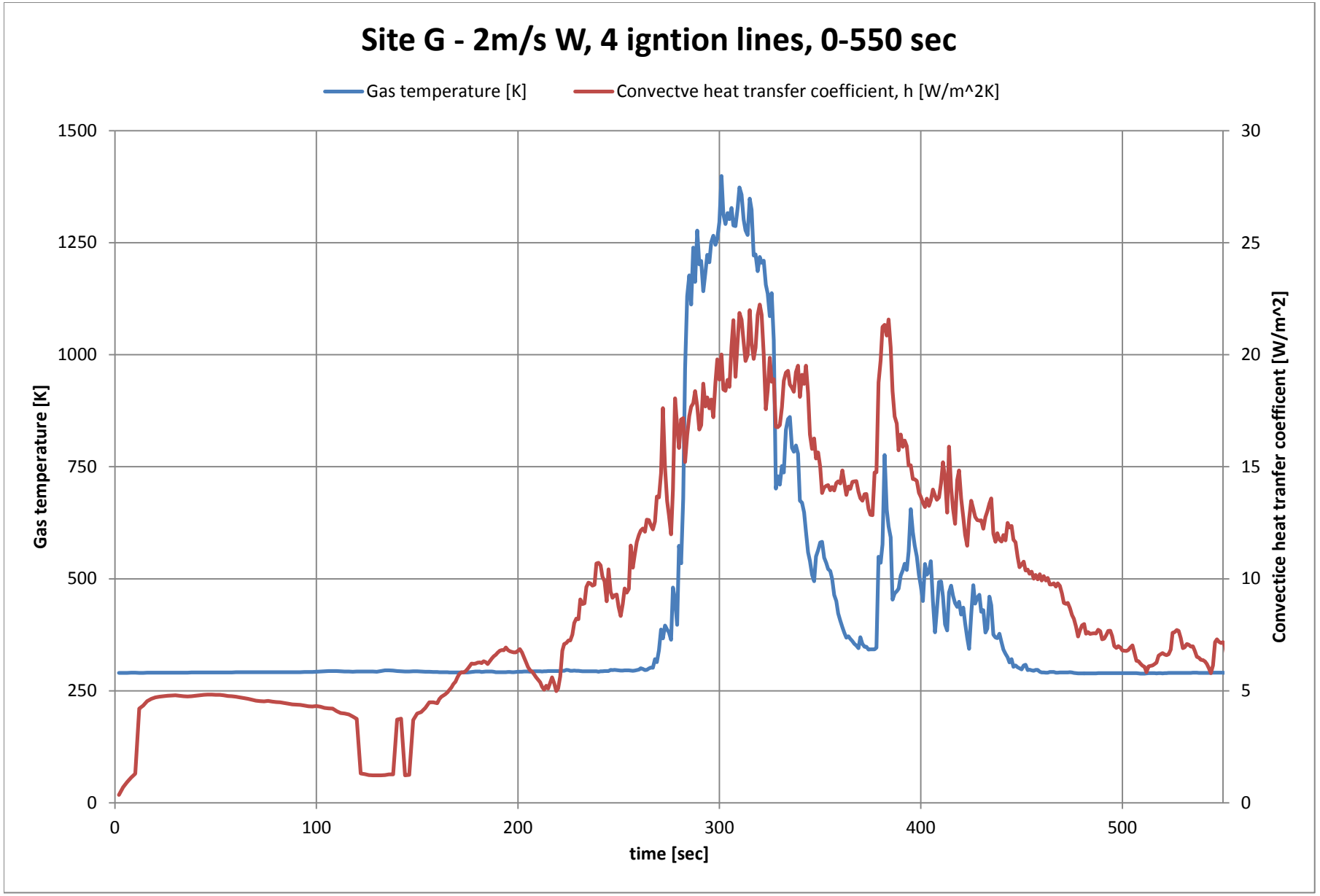
Specific Heat J kg^-1 C^-1	Temperature C
434	26.85
487	126.85
559	326.85

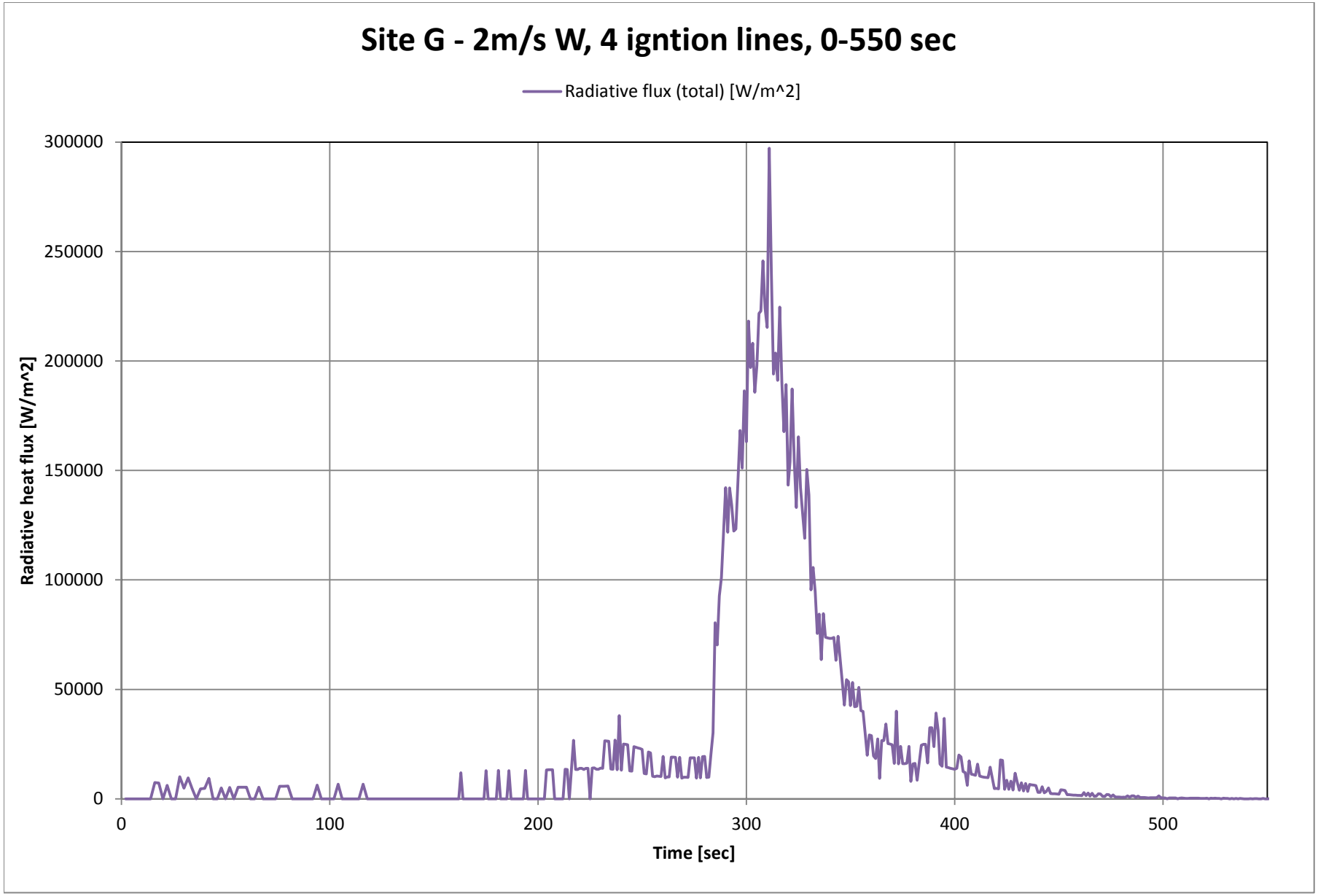
Site G - 2m/s W, 3 igntion line, 0-550 sec
Gas temperature [K]
Convectve heat transfer coefficient, h [W/m^2K]
1500
1250
1000
750
500
250
0
30
25
20
15
10
5
0
0
100
200
300
400
500
time [sec]
Gas temperature [K]
Convectice heat tranfer coefficent [W/m^2]


Site G - 2m/s W, 3 igntion line, 0-550 sec
Radiative flux (total) [W/m^2]
250000
200000
150000
100000
50000
0
Radiative heat flux [W/m^2]
0
100
200
300
400
500
Time [sec]


Site G - 10m/s NW, 1 igntion line, 0-300 sec
Gas temperature [K]
Convectve heat transfer coefficient, h [W/m^2K]
Gas temperature [K]
Convectice heat tranfer coefficent [W/m^2]
time [sec]
0
250
500
750
1000
1250
1500
0
5
10
15
20
25
30
0
50
100
150
200
250
300


Site G - 10m/s NW, 1 igntion line, 0-300 sec
Radiative flux (total) [W/m^2]
Radiative heat flux [W/m^2]
250000
200000
150000
100000
50000
0
0
50
100
150
200
250
300
Time [sec]


Site G - 2m/s W, 4 igntion lines, 0-550 sec
Gas temperature [K]
Convectve heat transfer coefficient, h [W/m^2K]
1500
1250
1000
750
500
250
0
30
25
20
15
10
5
0
0
100
200
300
400
500
time [sec]
Gas temperature [K]
Convectice heat tranfer coefficent [W/m^2]


Site G - 2m/s W, 4 igntion lines, 0-550 sec
Radiative flux (total) [W/m^2]
Radiative heat flux [W/m^2]
300000
250000
200000
150000
100000
50000
0
0
100
200
300
400
500
Time [sec]

	2 m/s				10 m/s				New 2 m/s		
sec	Gas temperature [K]	Convectve heat transfer coefficient, *h* [W/m^2K]	Radiative flux (total) [W/m^2]	sec	Gas temperature [K]	Convectve heat transfer coefficient, *h* [W/m^2K]	Radiative flux (total) [W/m^2]	sec	Gas temperature [K]	Convectve heat transfer coefficient, *h* [W/m^2K]	Radiative flux (total) [W/m^2]
2	290	0.35	0	2	290	0.67	0	2	290	0.35	0
4	290.03	0.69	0	4	290.07	4.74	0.3	4	290.03	0.69	0
6	290.1	0.92	0	6	290.07	7.61	0.7	6	290.1	0.92	0
8	290.14	1.12	0	8	290.07	10.57	0.5	8	290.14	1.12	0
10	290.15	1.3	0	10	290.24	13.29	0.9	10	290.15	1.3	0
12	290.13	4.22	0	12	290.33	15.67	0	12	290.13	4.2	0
14	290.13	4.36	0	14	290.59	16.44	0	14	290.13	4.34	0
16	290.13	4.58	6316.1	16	290.35	16.11	0	16	290.36	4.54	7391.7
18	290.2	4.66	6433.8	18	290.19	15.18	0	18	290.2	4.64	7263.8
20	290.27	4.72	5484.4	20	290.05	14.55	0	20	290.27	4.7	0
22	290.33	4.75	0	22	289.82	14.36	0	22	290.33	4.73	6193.3
24	290.38	4.76	4644.2	24	289.71	13.47	0	24	290.37	4.76	0.3
26	290.41	4.77	4364.2	26	289.58	12.05	0	26	290.41	4.78	0
28	290.44	4.77	4125.2	28	289.45	11.33	0	28	290.43	4.79	5067.3
30	290.46	4.76	3968.5	30	289.33	10.74	0	30	290.45	4.8	4901.8
32	290.55	4.74	3836.1	32	289.2	9.85	0	32	290.51	4.78	9555.9
34	290.6	4.7	0	34	289.05	9.75	0	34	290.54	4.76	4651.7
36	290.75	4.67	3790.2	36	288.91	9.29	0	36	290.63	4.75	0.3
38	290.85	4.66	0	38	288.78	9.09	0	38	290.75	4.76	4593.3
40	290.85	4.67	3612.4	40	288.66	9.18	0	40	290.8	4.78	4801.1
42	290.91	4.68	3656.7	42	288.54	10.15	0	42	290.8	4.8	9343.1
44	290.95	4.66	3742.2	44	288.41	10.48	0	44	290.8	4.82	0.3
46	290.95	4.63	0.3	46	288.28	10.96	0	46	290.83	4.83	0
48	290.96	4.61	0	48	288.47	12.15	0	48	290.93	4.83	4987.7
50	291.02	4.59	0	50	288.13	12.35	0	50	291.01	4.82	0.3
52	291.05	4.58	0	52	287.88	11.02	0	52	291.09	4.82	5167.8
54	291.11	4.54	0	54	287.77	13.89	0	54	291.13	4.8	0
56	291.17	4.5	4172	56	288.75	11.85	0	56	291.15	4.77	5273.7
58	291.22	4.43	4183.1	58	290.01	12	0	58	291.17	4.76	5282.1
60	291.26	4.37	8381.7	60	289.95	10.59	0	60	291.2	4.73	5281.5
62	291.27	4.32	0	62	289.59	10.09	0	62	291.25	4.7	0
64	291.3	4.3	4194.4	64	289.98	10.7	0	64	291.29	4.67	0.3
66	291.33	4.29	0	66	290.8	11.31	0	66	291.31	4.64	5299.3
68	291.34	4.27	0.3	68	293.05	11.73	0	68	291.3	4.6	0
70	291.34	4.24	0	70	294.14	11	0	70	291.36	4.56	0
72	291.34	4.21	4254	72	295.13	11.48	0	72	291.38	4.54	0
74	291.33	4.17	0	74	295.67	10.91	0	74	291.4	4.53	0.3
76	291.31	4.13	0	76	294.96	11.31	0	76	291.41	4.55	5700.4
78	291.34	4.13	4347.9	78	294.6	12.28	0	78	291.42	4.52	5758.2
80	291.42	4.13	0	80	295.08	11.92	0	80	291.42	4.5	5803.1
82	291.62	4.12	0	82	298.15	11.99	0	82	291.41	4.49	0
84	291.94	4.11	0	84	297.88	11.87	0	84	291.41	4.45	0.3
86	292.59	4.1	0	86	301.95	12.17	0	86	291.41	4.42	0
88	293.19	4.1	0	88	304.53	11.59	0	88	291.48	4.39	0
90	293.46	4.13	0	90	308.2	9.89	0	90	291.55	4.38	0
92	293.73	4.13	0.3	92	305.3	12.8	0	92	291.62	4.37	0
94	293.8	4.12	0	94	301.15	13.87	0	94	291.7	4.34	6249.3
96	293.71	4.1	0	96	300.71	12.45	0	96	291.77	4.31	0
98	293.43	4.07	4621.2	98	305.74	14.11	0	98	292.05	4.3	0
100	293.01	4.01	0	100	310.38	11.69	0	100	292.6	4.32	0
102	292.59	3.92	0	102	308.8	12.23	0	102	293.13	4.29	0.3
104	292.61	3.89	0	104	306.48	10.61	0	104	293.68	4.24	6679.5
106	292.47	3.85	0	106	303.91	9.34	0	106	294.19	4.21	0
108	292.54	3.81	0	108	302.4	9.74	0	108	294.26	4.2	0
110	293.1	3.76	5363.5	110	302.11	11.82	0	110	294.03	4.09	0.3
112	293.59	3.66	5138.5	112	304.19	11.65	0	112	293.59	4.01	0

114	293.51	1.3	0	114	298.88	11.18	0	114	293.02	3.99	0
116	293.08	1.27	0	116	297.6	13.75	0	116	292.96	3.94	6680.2
118	292.76	1.29	0	118	296.61	18.69	0	118	292.61	3.85	0
120	292.5	1.29	0	120	302.41	16.67	9116.9	120	292.95	3.75	0
122	292.97	1.26	0	122	305.42	13.69	9114.8	122	293.03	1.31	0
124	293.54	1.23	0	124	331.01	16.52	9056.7	124	293.06	1.28	0
126	294.01	1.24	0	126	336.89	17.13	9435.9	126	293.09	1.24	0
128	293.72	1.26	0	128	350.39	14.1	9033.6	128	292.87	1.22	0
130	293.52	1.28	0	130	321.44	13.03	8927.7	130	292.61	1.22	0
132	293.71	1.3	5722.5	132	347.87	20.13	8776.3	132	293.9	1.22	0
134	293.34	1.24	0	134	338.26	28.3	0.3	134	295.57	1.24	0
136	293.28	1.21	0	136	388.01	22.63	0	136	295.48	1.27	0
138	293.47	1.21	0	138	354.61	20.66	8314	138	294.82	1.27	0
140	293.27	1.22	0	140	383.19	16.83	16177.8	140	294.18	3.71	0
141	293.15	1.21	0	142	401.88	17.59	15690.8	142	293.69	3.76	0
142	292.96	1.23	0	144	627.05	24.83	15445.3	144	293.17	1.22	0
143	292.61	1.24	0	146	1234.32	24.98	60895.3	146	292.85	1.25	0
144	292.71	1.23	0	148	1261.91	19.75	118963	148	293.27	3.69	0
145	292.51	1.22	0	150	1240.79	17.05	92930.5	150	293.58	3.98	0
146	292.01	1.22	0	152	1291.62	25.08	62926.4	152	293	4.05	0
147	291.97	1.22	0	154	1154.43	23.68	96197.5	154	292.69	4.23	0
148	291.69	1.21	0	156	1224.21	19.09	95070.6	156	292.28	4.48	0
149	291.66	1.23	7832.7	158	1163.67	21.37	73958.5	158	292.03	4.48	11946.6
150	291.66	1.22	0	160	1207.04	21.17	94575.1	160	291.72	4.44	0
151	292.14	1.23	0	162	1279.51	22.85	86500.4	161	291.63	4.63	0.3
152	292.42	1.26	8333.7	164	1323.09	22.75	85490.8	162	291.49	4.74	0
153	292.56	1.26	0	166	1268.95	25.7	85643	163	291.38	4.79	0
154	292.52	1.28	0	168	1205.07	23.68	86039.3	164	291.24	4.85	0
155	292.55	1.3	0	170	1368.71	22.76	99638.2	165	291.2	4.93	0
156	292.55	1.3	0	172	1397	22.78	80555.9	166	291.15	5.04	0
157	292.43	1.3	0	174	1344.08	18.45	101700.2	167	291.14	5.15	0
158	292.35	1.3	9225.8	176	1251.9	20.04	107866.4	168	291.12	5.3	0.3
159	292.32	3.66	0	178	1249.25	21.15	87800.1	169	291.13	5.4	0
160	292.22	3.66	0	180	1286.19	24.37	94984.1	170	291.11	5.61	12894.5
161	291.98	3.71	0	182	1324.12	23.22	88122.6	171	291.14	5.76	0
162	291.74	3.81	0	184	1312.68	24.51	116255.6	172	291.13	5.83	0
163	291.58	3.89	0	186	1355.6	24.32	90789	173	291.07	5.82	0
164	291.41	3.95	0	188	1171.5	21.48	72018.8	174	291.07	5.87	0
165	291.24	4.01	10049.8	190	1271.35	21.73	74148.6	175	291.12	5.97	0
166	291.23	4.08	0	192	1368.83	22.6	120210.4	176	291.39	6.1	12947.3
167	291.18	4.27	0	194	1117.74	22.24	61077.4	177	291.92	6.21	0
168	291.4	4.39	0	196	874.66	19.49	69602.3	178	292.31	6.2	0
169	291.46	4.46	0.3	198	845.17	21.31	55385.9	179	292.79	6.21	0
170	291.58	4.64	0	200	819.32	22.42	56032	180	292.96	6.26	0
171	291.65	4.79	0	202	746.04	20.83	64290.7	181	293.04	6.27	12927.2
172	291.81	4.87	0	204	513.72	20.79	48127	182	292.21	6.24	0
173	291.72	5.02	0.3	206	766.18	22.72	48960.2	183	292.52	6.32	0
174	291.74	5.05	0.3	208	886.27	21	49313.7	184	292.87	6.28	0
175	291.6	5.18	0	210	565.49	21.28	33046	185	292.98	6.19	0
176	291.56	5.19	0	212	493.8	22.37	57908.1	186	292.92	6.32	0
177	291.54	5.19	10772.9	214	427.01	22.18	32567.9	187	292.86	6.44	0
178	291.51	5.22	0	216	425.54	19.49	23891.4	188	292.42	6.54	0
179	291.28	5.25	0	218	409.3	20.52	31409.8	189	291.49	6.61	12942.1
180	291.16	5.3	0	220	433.29	20.59	23107.2	190	291.49	6.7	0
181	291.14	5.3	0	222	394.41	21.36	22770	191	291.44	6.79	0
182	291.16	5.28	0	224	401.5	18.86	22228.3	192	291.4	6.82	0
183	291.19	5.23	0	226	393.15	20.04	21972.3	193	291.45	6.81	0
184	291.19	5.21	11155.6	228	422.23	18.63	14442.7	194	291.69	6.93	0
185	291.19	5.25	0	230	381.34	18.39	14091.7	195	291.79	6.82	0
186	291.19	5.28	0	232	390.42	18.91	13995.5	196	291.78	6.77	0
187	291.24	5.35	11851.7	234	390.86	18.23	13674.7	197	291.67	6.73	0
188	291.35	5.41	0	236	407	18.61	13503.6	198	291.53	6.71	0
189	291.44	5.42	0	238	384.15	19.29	13419.5	199	291.92	6.71	13234.3

190	291.45	5.46	0	240	344.8	17.42	13228.4	200	292.27	6.79	13273.8
191	291.38	5.48	0	242	385.51	17.83	12997.7	201	292.4	6.86	13269.9
192	291.28	5.45	0	244	437.83	17.77	12563.2	202	292.56	6.71	13293.5
193	291.22	5.4	0	246	413.85	17.98	6418.6	203	292.76	6.48	0
194	291.25	5.4	0	248	433.99	17.37	12153.8	204	293.05	6.29	0
195	291.32	5.38	11715.7	250	385.8	16.88	12062.4	205	292.83	6.06	0
196	291.37	5.35	0	252	391.31	18.79	12002.9	206	292.73	5.91	0
197	291.38	5.38	11780.8	254	386.31	18.28	12222.5	207	293.02	5.86	0
198	291.33	5.31	0	256	408.7	16.97	12468.1	208	293.28	5.73	13492.8
199	291.2	5.24	0	258	357.77	16.24	12591.7	209	293.41	5.61	13456.8
200	291.13	5.19	0	260	331.92	16.49	12693.3	210	293.41	5.5	0
201	291.05	5.13	0	262	318.87	17.18	6538.1	211	293.29	5.38	13392
202	291.04	5.04	12014	264	366.55	16.91	6150.8	212	293.22	5.18	13393.4
203	291.18	4.97	0	266	409.92	16.57	6113.6	213	293.39	5.05	13441.2
204	291.17	4.88	0	268	350.75	16.68	6134.4	214	293.71	5.22	13441.6
205	291.27	4.84	0	270	357.37	17.86	5977.4	215	293.92	5.1	13973
206	291.47	4.81	0	272	360.22	16.68	5916	216	294.03	5.36	13971.1
207	291.46	4.81	12564.4	274	390.96	15.83	5848.8	217	294.1	5.6	13370.2
208	291.53	4.84	0	276	395.77	16.4	5732.2	218	294.27	5.34	13934.6
209	291.55	4.8	0	278	337.56	15.95	5563.3	219	294.22	4.98	13971.4
210	291.5	4.84	0	280	355.27	17.05	5479	220	293.94	5.1	0.3
211	292.76	4.92	0	282	344.34	16.45	5269	221	294.05	5.64	14059.9
212	293.35	5.01	12925.5	284	355.08	16.34	5237.2	222	294.3	6.79	14118.5
213	294.19	5.4	0	286	348.62	16.92	4852.5	223	294.68	7.09	13528.1
214	294.78	5.58	13024.1	288	357.75	15.62	4722.8	224	296.55	7.13	13485.6
215	294.5	5.76	0	290	348.78	15.8	4618.6	225	296.32	7.25	14003.2
216	294.33	5.8	13683.9	292	334.31	15.1	4565	226	294.49	7.24	13905.8
217	294.72	6	13089.1	294	331.25	15.9	4571.2	227	294.44	7.51	26520.3
218	294.44	6.31	13094.4	296	328.02	16.17	4575	228	294.85	8.03	26422
219	294.22	6.42	13100.4	298	327.75	15.33	4674.7	229	294.74	8.22	26272.8
220	293.99	6.43	13083.9	300	336.21	14.44	4427	230	294.47	8.19	13596.6
221	293.44	6.43	13029	302	325.91	14.08	0	231	294.12	9.08	13484
222	293.02	6.34	0.3					232	293.75	8.87	26828.5
223	292.83	7.03	0					233	293.39	8.9	13334.6
224	292.72	7.32	13488.3					234	293.41	9.63	38047.2
225	292.75	7.27	12844					235	293.39	9.83	13127.5
226	292.13	8.82	13348.6					236	293.6	9.79	25026.9
227	293.41	8.78	13275.2					237	293.7	9.69	24910.7
228	293.32	9.06	12646.5					238	293.39	9.73	24670.1
229	293.05	8.71	13159.9					239	293.36	10.68	12751.9
230	292.76	9.19	13115.1					240	292.66	10.71	12639.5
231	292.62	9.05	13053.4					241	293.27	10.6	23902.4
232	292.8	9.12	12975.5					242	293.76	10.09	23518.6
233	292.5	11.19	24745					243	294.05	9.89	23259.9
234	293.13	11.54	12840.5					244	293.88	9	22995.4
235	293.42	11.08	12713.1					245	293.95	10.42	22610.3
236	293.49	11.6	12595.8					246	296.42	9.42	11555.6
237	294.28	12.3	12490.4					247	296.26	9.15	11359.4
238	294.52	12.43	23758.5					248	296.85	9.27	21362.7
239	294.03	13.01	12337.7					249	296.12	9.3	10484.9
240	294.06	13.8	35289.2					250	295.44	8.74	10308.7
241	294.03	14.56	24316.7					251	294.87	8.34	10144.9
242	293.7	13.87	12097.1					252	295	8.88	10464.7
243	293.31	12.17	12042.5					253	295.69	9.57	10316.8
244	294.35	11.61	23102.9					254	295.37	9.38	10200.2
245	294.53	12	11533.6					255	295.51	9.55	19379.5
246	294.53	11.92	34495.2					256	294.86	11.48	9620.1
247	294.69	12.18	11454.1					257	294.39	10.49	9987
248	294.86	12.64	11415.8					258	295.23	11.06	9964.8
249	294.85	12.73	22744.3					259	296.09	11.64	19058.5
250	294.75	12.72	22654.1					260	297.22	11.95	19031.7
251	294.03	12.8	22538.8					261	300.46	12.15	18985
252	294.35	13.69	11681.7					262	298.6	12.24	9867.1

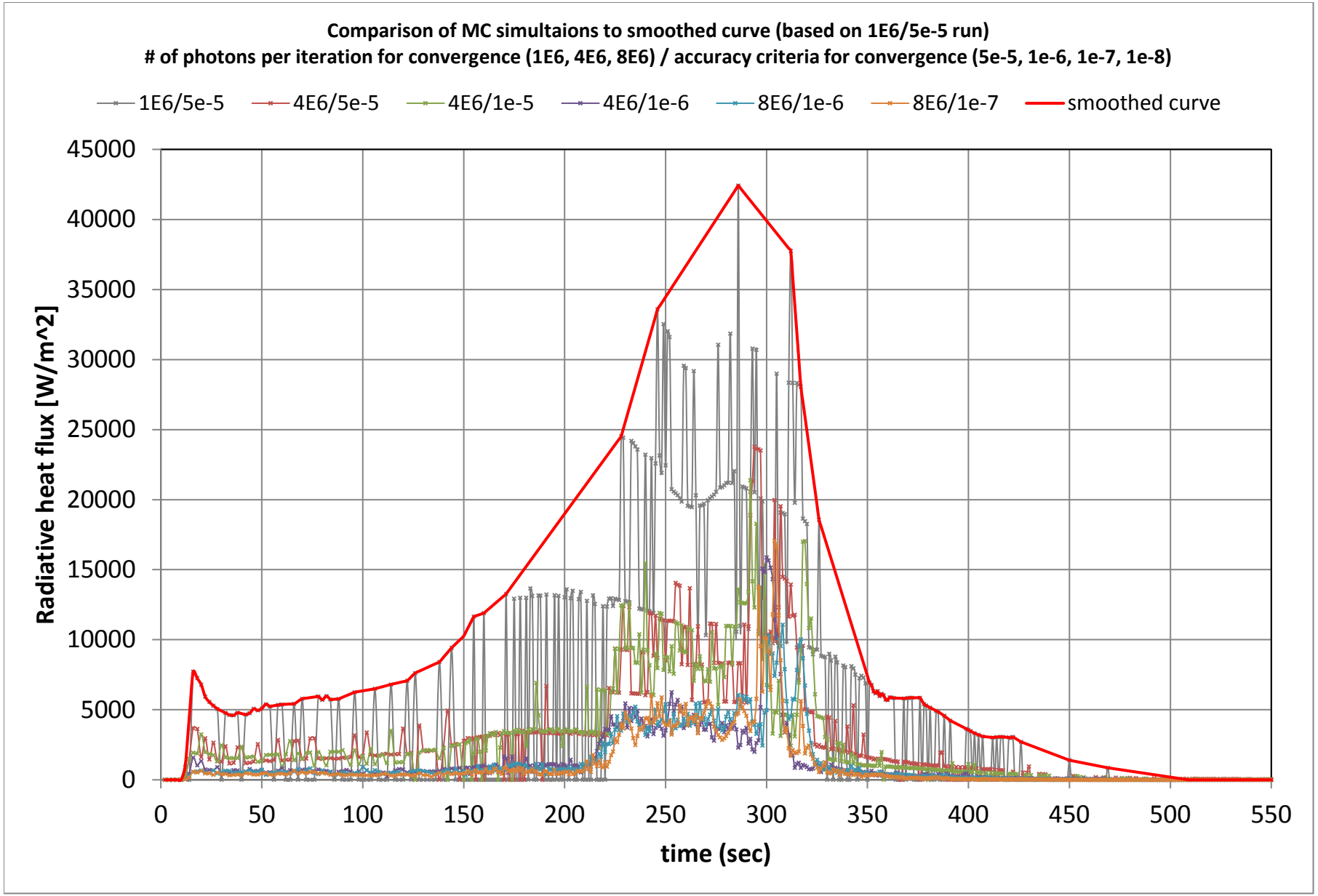
253	294.36	13.21	22224.5
254	294.59	13.6	22036.4
255	294.19	13.12	22830.5
256	293.84	12.98	21746.7
257	294.13	13.64	32358.6
258	294.7	13.35	21423.1
259	294.42	12.81	21336.2
260	294.42	12.78	21278.5
261	294.24	12.36	11075.3
262	294.2	12.22	10589.9
263	293.77	11.91	11004.6
264	293.85	11.45	10483.5
265	294.34	11.7	20998.1
266	295.04	11.78	21034.8
267	295.17	11.05	21075.1
268	294.96	11.58	31615.7
269	294.81	12.38	21999.7
270	294.41	12.09	21177.9
271	294.52	12.58	22316.2
272	294.19	12.37	21527.8
273	293.96	12.05	32389.7
274	294.21	12.37	21599.2
275	294.2	12.5	21613.3
276	294.75	11.98	32595
277	294.76	11.42	11390.8
278	294.61	12.27	21952.9
279	294.6	12.52	11483
280	294.38	11.95	22042.3
281	294.05	11.66	22100.1
282	295.46	11.81	23272.9
283	295.22	11.58	11741.7
284	294.88	11.13	22647.1
285	294.64	11.06	11942.3
286	294.25	11.07	24160.6
287	294.59	11.31	23472.3
288	294.46	10.78	12407.1
289	294.83	10.78	24100.7
290	294.59	10.34	24405.2
291	294.17	9.77	37002.7
292	294.37	9.53	24933.1
293	294.62	9.71	37786.1
294	295.21	9.57	38232.3
295	295.42	9.43	25693.9
296	295.04	9.73	25847
297	294.47	9.68	26005
298	294.96	10.01	26049.7
299	295.68	10.21	26353.5
300	295.72	10.32	26691.2
301	297.12	10.01	13485.2
302	296.52	10.71	27247.2
303	306.36	10.71	27602
304	300.66	10.88	27910.2
305	323.2	10.15	28053.8
306	303.59	10.44	14711
307	299.96	10.47	14076.8
308	310.72	10.23	28032.2
309	306.23	12.59	13935.3
310	327.19	13.04	27687.4
311	331.09	14.3	13738.4
312	343.42	14.66	0.3
313	334.68	13.43	13484.3
314	347.2	15.32	26660.8
315	337.73	14.82	13219.7
316	295.89	12.1	18913
317	296.71	12.64	9451.8
318	299.59	12.62	9842.2
319	301.77	12.4	9871.3
320	301.58	12.2	9832.6
321	320.78	12.56	18789.6
322	313.7	13.67	18778
323	340.6	13.63	18781.5
324	386.84	14.71	9417.3
325	366.82	17.62	18959.2
326	395.37	14.96	9567.8
327	386.78	13.47	19275.8
328	379.71	12.83	19427.4
329	363.97	11.98	9786.5
330	480.46	13.98	9893.5
331	453.14	18.06	10401.3
332	397.06	16.83	20065.7
333	573.45	15.84	40236.7
334	534.43	17.11	50234.8
335	679.59	17.17	52498.6
336	969.01	15.21	50567.7
337	1130.68	16.41	70951.4
338	1177.23	17.27	71089.9
339	1112.24	17.68	71024.8
340	1239.32	17.84	70993.1
341	1162.66	18.38	81188.3
342	1277.33	17.71	61151.9
343	1201.73	16.66	71942.1
344	1209.39	16.86	83216.3
345	1141.71	18.71	84142.1
346	1183.58	17.69	84720.1
347	1223.28	18.1	100623.4
348	1206.28	17.61	87002.8
349	1251.31	18	109137.2
350	1265.83	17.21	98534.6
351	1245.54	18.75	120455.8
352	1259.27	19.8	98324.4
353	1296.29	18.89	109924.9
354	1399.11	20.01	110879
355	1313.54	18.45	133677.2
356	1291.85	18.39	134019.5
357	1316.39	18.88	112147
358	1302.63	18.57	113348.7
359	1327.79	20.38	148633.9
360	1288.71	21.55	126106.2
361	1287.11	19.02	102688.9
362	1326.93	20.58	113134.8
363	1373.84	21.87	101218.9
364	1357.35	21.57	112313.5
365	1301.51	20.56	100810.3
366	1277.55	19.72	89475.4
367	1267.56	19.98	100186.9
368	1348.37	21.99	77198.8
369	1323.83	20.52	87994.5
370	1221.81	19.82	99104
371	1224.12	20.32	77479.2
372	1186.67	21.77	66556
373	1218.47	22.24	99239.6
374	1205.58	21.79	76519.8
375	1210.19	20.01	76081.6
376	1156.41	17.57	64920.4
377	1136.52	18.41	85976.6
378	1086.16	19.87	85438.9

316	339.29	14.26	13057.5
317	333.36	13.28	12797.2
318	345.2	13.19	12567.3
319	341.28	12.6	24674.1
320	347.16	13.37	24231.9
321	370.65	13.58	11949.7
322	371.16	13.73	11820.7
323	374.73	15.03	11714.5
324	389.84	15.21	11648.5
325	442.44	16.38	11565.3
326	456.44	15.74	11485.4
327	516.71	18.08	11348.7
328	699.81	17.61	22519.1
329	640.66	17.01	11697.3
330	872.89	16.95	22315.8
331	1026.96	18.4	44435.2
332	1059.88	16.69	44202.8
333	1108.17	17.05	33116.1
334	1161.48	17.89	43950.9
335	1206.53	19.32	54588.2
336	1145.78	20.38	54284.3
337	1152.37	20.16	54068.4
338	1231.38	18.28	75627.1
339	1169.85	18	64849
340	1080.41	18.93	54151.8
341	1140.23	18.74	64983.7
342	1232.4	19.21	64946.5
343	1228.97	17.88	86631.1
344	1224.82	16.42	108240
345	1202.14	16.79	86399.9
346	1266.25	15.42	107320.3
347	1267.05	17.95	85598.4
348	1309	18.5	85339.2
349	1257.51	16.29	95868
350	1280.45	16.9	95714.5
351	1289.67	17.61	95691.4
352	1231.9	16.82	85302.4
353	1236.02	14.9	96780.5
354	1282	16.42	86389.6
355	1227.95	15.4	88892.7
356	1215.52	15.5	76616.3
357	1209.69	16.04	87384
358	1153.91	14.86	97892.3
359	1180.13	15.22	97400.3
360	1164.41	14.79	118548.1
361	1132.61	14.6	75167.3
362	1109.37	14.68	85433.8
363	1100.2	14.46	63816.6
364	1097.6	14.15	74192.6
365	1043.21	14.52	73844.4
366	1019.66	14.95	63012.2
367	968.91	14.42	62661.8
368	939.28	13.8	62469.5
369	910.32	13.32	51572
370	906.43	13.94	61317.2
371	872.17	14.51	40257.9
372	789.78	14.44	59592.2
373	745.13	13.72	49001.1
374	746.34	13.13	48095.6
375	772.57	12.72	39436.5
376	784.64	12.6	46470.8
377	795.36	13.07	54713.7
378	740.57	13	53822.1
326	1137.61	18.8	53040
327	1032.45	18.91	52854.5
328	701.47	16.79	52581.2
329	728.76	16.77	43905.2
330	710.11	16.86	42213.9
331	751.71	17.66	31801.4
332	737.37	18.84	42281.9
333	832.46	19.2	42178.5
334	856.35	19.29	42014.4
335	861.07	18.67	41894.2
336	792.62	18.53	41889.6
337	783.42	18.35	42104.9
338	797.53	19.22	31655
339	778.72	19.52	42450.6
340	673.98	18.12	31912.4
341	670.24	19.11	32066.1
342	648.23	18.7	21441.6
343	605.19	19.52	32100.1
344	559.01	18.29	32075.2
345	540.02	16.44	21323.6
346	508.91	15.8	31886.9
347	494.43	16.26	21058.4
348	549.57	15.37	21589.4
349	563.94	15.64	30585
350	581.12	14.99	20136.3
351	582.3	13.83	19966.6
352	547.05	14.08	19802.1
353	534.94	14.15	10171.5
354	521.63	14.18	19207.7
355	517.54	13.95	19002
356	500.43	14.1	9790.2
357	463.63	13.94	18450.8
358	450.25	14.28	27343.5
359	422.42	14.35	9377.1
360	406.73	14.25	26640
361	392.11	14.84	17492.6
362	379.74	14.32	17111.6
363	368.71	13.74	16845.2
364	371.45	14.12	16670.5
365	365.84	14.02	16474.3
366	360.91	14.33	16231.5
367	354.87	14.35	40031.3
368	350.96	14.36	15932
369	345.19	13.88	23947.7
370	369.74	13.6	16073.2
371	354.25	13.48	16086
372	348.17	13.78	8332.5
373	348.36	13.79	23981.1
374	341.72	13.12	7988.6
375	342.64	12.86	16015.3
376	342.37	12.84	16130.7
377	342.21	14.74	8483.2
378	346.32	14.75	8505.8
379	549.29	18.77	24516.2
380	535.64	19.75	16361.9
381	576.71	21.24	16407.3
382	776.38	21.34	16420.1
383	654.69	20.86	24380.3
384	616.68	21.58	24065
385	592.43	20.33	15875.7
386	453.44	18.38	39242
387	467.29	17.24	23207.8
388	472.33	16.93	15860

379	668.47	12.83	46114.6
380	697.39	12.18	52065.8
381	759.66	12.23	42469.3
382	809.12	12.53	33350
383	793.33	12.85	40985.2
384	633.36	11.36	33588.5
385	636.41	11.47	39783
386	647.16	12.15	39265.8
387	681.69	12.92	38625.2
388	596.62	10.59	31785.9
389	584.13	10.29	37454.3
390	585.15	9.86	36753.5
391	614.37	10.17	36015.1
392	611.46	10.88	35203
393	593.82	10.07	55233.3
394	598.19	9.57	40674.9
395	601.67	9.76	26740.2
396	583.27	9.95	26355.4
397	611.97	9.68	58592.7
398	596.41	11.47	32169.6
399	640.73	13.39	25555.6
400	586.83	12.17	31482
401	528.02	13.24	24915.6
402	506.78	10.68	25673.6
403	439.27	10.25	24260.5
404	465.9	8.69	18070.8
405	462.83	8.65	23916
406	466.66	9.51	23569.9
407	466.75	9.21	17465.5
408	559.49	10.5	23046.1
409	556.01	11.48	17168.6
410	566.53	13.32	28303.7
411	510.38	11.67	22318.1
412	453.01	11.82	22101.7
413	439.03	12.09	21996.6
414	461.41	11.91	21863.8
415	560.74	12.22	38095
416	527.15	12.28	27160.3
417	537.26	11.01	21794.1
418	508.16	12.42	16283.3
419	490.68	11.96	21695.4
420	437.05	11.71	32625.9
421	472.43	12.96	16279.9
422	482.66	12.22	16141.3
423	520.91	12.09	21421
424	505.78	11.26	21272.6
425	523.77	11.08	26331.7
426	527.22	11.64	20829.5
427	518.88	11.19	15349.3
428	505.98	10.55	20101.5
429	490.97	11.44	24718.6
430	474.16	10.34	14554.3
431	445.79	10.16	23739.4
432	496.53	10.22	13947.9
433	501.44	11.09	13567.3
434	429.86	11.73	13221.7
435	398	10.99	21513.5
436	357.14	10.55	16755.9
437	500.43	11.89	16288.9
438	442.13	10.98	11947.4
439	510.24	10.57	11746.5
440	516.67	11.23	7645.5
441	486.06	9.99	11206.1
389	477.64	15.73	14938.6
390	507.14	16.44	29385.4
391	519.22	15.89	14484.6
392	533.8	16.17	14220.9
393	519.63	15.92	13953.1
394	561.32	15.06	13744.1
395	655.58	15.07	13555.3
396	604.16	14.45	13946.5
397	574.16	14.44	13122.4
398	549.64	14.37	12777.6
399	508.49	13.84	12399.2
400	484.16	13.66	12069.7
401	450.28	13.4	6146.8
402	533.06	13.2	17310.8
403	508.92	13.58	11318.5
404	516.06	13.26	11042.3
405	539.07	13.51	10782
406	450.32	13.98	10582.5
407	380.43	13.71	10382.5
408	430.84	13.53	10152.2
409	492.93	13.63	9938.5
410	493.96	14.29	9790.2
411	460.91	15.2	9672.4
412	398.34	14.49	14429.4
413	384.86	12.95	9526.5
414	469.62	15.9	4696.9
415	484.4	14.07	4813.1
416	462.39	13.14	4541
417	445.72	12.45	13364.7
418	437.39	14.4	13163.8
419	448.97	14.84	4323.6
420	419.81	13.58	8453.9
421	435.45	12.76	4312.8
422	400.95	11.96	8110.8
423	368.2	11.47	3980.4
424	343.7	12.65	11733.8
425	419.41	13.48	7662.3
426	485.73	13.12	3904.5
427	444.64	12.77	7309.5
428	458.15	12.62	3571.3
429	464.27	12.6	6986.4
430	426.47	12.61	3392.3
431	429.94	12.23	6571.2
432	379.83	12.75	6411.8
433	388.95	13	6242.5
434	460.37	13.36	6100.5
435	441.14	13.59	2946.5
436	375.42	12.02	2977
437	368.77	11.65	5510.8
438	367.53	12.04	2766.8
439	377.12	11.74	3384.8
440	357.99	11.66	2557
441	341.81	11.95	2391.5
442	332.79	11.71	2325.6
443	324.54	12.49	2274.3
444	313.32	12.29	2207.7
445	320.39	12.36	2138.5
446	303.33	11.74	4122.9
447	306.66	11.63	3998
448	302.58	10.97	3860.3
449	300.35	10.52	1948.9
450	297.68	10.64	1888.9
451	306.31	10.77	1827.7

442	416.45	10.07	7263.1
443	403.99	10.54	7031.1
444	412.94	10.5	10255.8
445	458.48	10.29	13340.4
446	438.31	11.48	9764.5
447	412.9	11.15	9574.3
448	419.07	11.36	6222.6
449	395.14	10.56	9134
450	416.06	10.9	11863.8
451	377.02	10.61	8668.3
452	373.18	10.19	8451.6
453	404.94	10.66	5516.3
454	409.24	10.54	5439.4
455	424.18	9.93	5320.2
456	405.29	9.84	5139.5
457	401.31	9.7	7431.4
458	387.29	9.76	7130.2
459	373.36	9.46	4591.6
460	359.62	10.21	8915.8
461	362.03	10.2	4320.1
462	397.04	10.11	6268.9
463	402.28	9.95	4094.4
464	378.45	10.11	7975.6
465	386.16	9.84	5808.9
466	386.63	10.96	3786.2
467	395.28	10.93	3678.1
468	402.45	11.01	5371.2
469	411.05	10.34	3480.1
470	384.53	11.12	5063.5
471	403.79	11.08	3262.2
472	395.36	10.28	3118.9
473	380.01	9.79	4500.9
474	368.33	10.07	2895
475	390.46	9.45	2775.8
476	390.14	9.5	5341.3
477	385.58	9.28	2581.5
478	384.43	9.42	2507.8
479	368.79	9.87	4876.6
480	352.77	9.92	4765.4
481	348.73	9.56	3471.8
482	360.64	9.35	5622.4
483	360.25	8.89	4373.4
484	353.12	8.33	3179.9
485	336.02	8.55	4116.7
486	363.26	8.98	3980.6
487	382.83	9.09	2895.3
488	358.97	8.87	2805.5
489	343.79	8.77	3608.7
490	339.52	8.59	2611.7
491	331.51	9.13	4998.3
492	326.69	9.41	3209.4
493	349.35	9.9	3074.4
494	342.81	9.34	2969.2
495	342.01	8.93	2170.4
496	334.59	9.23	2863.9
497	331.61	9.23	3559.9
498	347.24	9.41	2092.6
499	355.85	9.35	2730.9
500	343.64	9.29	2663.6
501	333.81	10	1950.9
502	340.77	9.76	2550.4
503	333.05	9.71	1248
504	325.19	9.42	1825.7
452	308.05	10.37	1695.2
453	295.95	10.41	1655.4
454	296.96	10.22	1605.9
455	295.35	10.32	1612
456	294.81	10.01	1490.4
457	296.77	10.17	2899.9
458	296.89	9.97	1455.1
459	292.61	10.2	2679.9
460	290.93	9.92	1303
461	290.7	10.12	2507.1
462	290.64	9.92	1202.4
463	290.18	10.04	1210.5
464	291.82	9.75	2274.5
465	291.81	9.75	2208.9
466	292.07	9.8	1118.5
467	290.31	9.65	1081.6
468	290.37	9.8	1996.8
469	290.87	9.68	1925
470	291.08	9.34	967.6
471	291.14	8.92	1783.3
472	291.11	8.88	858.3
473	291.06	8.92	826.9
474	291.18	8.69	831.8
475	290.95	8.38	766.1
476	289.95	8.21	744.2
477	289.19	7.87	724.6
478	289.06	7.42	1409.7
479	288.94	7.69	720.7
480	289.01	7.92	1351.5
481	289.06	7.97	1317.7
482	288.93	7.55	642.2
483	288.95	7.62	1239.7
484	289.01	7.54	631.5
485	289.02	7.56	591.6
486	289.07	7.57	607.1
487	289.04	7.56	562.1
488	289.26	7.72	377.5
489	289.35	7.66	530.3
490	289.44	7.3	518.7
491	289.36	7.33	527.4
492	289.4	7.49	489.3
493	289.47	7.67	1411.4
494	289.22	7.68	474.5
495	289.26	7.44	441.8
496	289.14	7	428.9
497	289.13	6.91	0
498	289.31	6.99	414.8
499	289.41	6.93	404.4
500	289.53	6.8	393
501	289.52	6.79	386.7
502	289.38	6.78	0.3
503	289.21	6.82	256.8
504	289.21	6.93	357.8
505	289.21	7.03	344.6
506	289.2	6.71	223.9
507	289.16	6.34	218.8
508	288.83	6.32	320.2
509	288.55	6.21	327.6
510	288.49	6.12	311.8
511	288.5	6.07	317.9
512	288.93	5.83	297
513	289.26	6.09	191
514	289.28	6.11	186.3

505	319.99	9.94	1780.7
506	330.95	9.91	1158.1
507	334.19	9.23	1128.3
508	326.25	9.78	1098.8
509	328.36	9.51	1083.1
510	330.42	9.47	1604.2
511	337.03	8.98	1053.4
512	326.82	9.23	1034.6
513	321.11	8.98	1011.8
514	327.92	8.95	516.3
515	327.51	8.91	1953.8
516	322	9.67	638.1
517	317.17	9.2	1407.1
518	311.37	8.87	2282.8
519	307.96	8.99	891.9
520	311.77	8.66	1317.1
521	312.13	8.46	862.1
522	309.7	8.06	1264.5
523	307.62	8.12	1252.4
524	307.4	7.61	827
525	297.58	7.32	1233.4
526	295.6	7.28	808.2
527	294.79	7.27	1056.5
528	295	7.1	1172.8
529	294.27	6.94	772.8
530	294.13	6.86	769.1
531	293.13	6.57	757.8
532	292.66	6.56	748.9
533	291.87	6.23	740.3
534	290.74	6.18	716.7
535	289.93	6.02	691.5
536	289.9	6.39	682.3
537	289.97	6.41	686.1
538	289.13	6.44	685.8
539	288.97	6.4	675.8
540	289.02	6.45	659.8
541	289.02	6.48	648.4
542	288.97	6.6	430.2
543	289.03	6.57	640.2
544	289.4	6.75	328.8
545	289.87	6.76	952.4
546	290.05	6.62	416.8
547	290.1	6.72	617.5
548	289.98	6.59	607.2
549	289.9	6.52	397.7
550	289.81	6.73	392.6
515	289.21	6.13	184
516	289.15	6.19	268.7
517	289.08	6.26	0
518	289.26	6.57	263.8
519	289.17	6.63	171.5
520	289.06	6.68	254.3
521	289.13	6.62	167.2
522	289.52	6.59	166.8
523	289.75	6.63	0
524	289.89	6.84	247.9
525	289.84	7.59	232.2
526	289.88	7.62	230.7
527	290.01	7.71	0
528	289.93	7.67	149.8
529	289.93	7.35	0
530	290.05	6.9	218.6
531	290.01	6.94	0
532	289.84	7.09	204.7
533	289.87	7.06	130.7
534	289.67	6.97	0
535	290.3	6.98	0
536	290.16	6.79	0
537	290.19	6.52	126.4
538	290.05	6.47	0
539	289.92	6.38	121.4
540	289.95	6.37	121.7
541	289.84	6.31	0.3
542	289.92	6.19	0
543	290.13	6	163.7
544	290.11	5.79	0.3
545	290.14	6.13	0
546	290.39	7.17	108.3
547	290.38	7.3	0.3
548	290.37	7.18	0
549	290.34	7.13	0
550	290.21	7.17	94.7
551	290.06	6.98	0
552	289.9	6.53	0.3
553	289.89	6.43	0
554	289.23	6.33	0
555	288.93	6.28	0
556	288.9	6.45	0
557	290.24	6.33	0
558	290.28	6.15	0
559	290.23	6.2	0
560	290.16	6.5	0
600	290	6	0
1200	290	6	0
2400	290	6	0
3600	290	6	0
4800	290	6	0
6000	290	6	0
7200	290	6	0


Comparison of MC simultaions to smoothed curve (based on 1E6/5e-5 run)
# of photons per iteration for convergence (1E6, 4E6, 8E6) / accuracy criteria for convergence (5e-5, 1e-6, 1e-7, 1e-8)
1E6/5e-5
4E6/5e-5
4E6/1e-5
4E6/1e-6
8E6/1e-6
8E6/1e-7
smoothed curve
Radiative heat flux [W/m^2]
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0
50
100
150
200
250
300
350
400
450
500
550
time (sec)

Time (s)	Heat Flux (W/m^2)						
	smoothed curve	1E6/5e-5	4E6/5e-5	4E6/1e-5	4E6/1e-6	8E6/1e-6	8E6/1e-7
2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
8	0	0	0	0	0.3	0.3	0.3
10	0	0	0.3	0.3	0.7	0.3	0.3
12	923.8	923.8	221.3	221.3	63.3	44.3	35
14	4317.4	0.3	1484.3	1484.3	424	284.5	167.4
16	7711	7711	3692.7	1926.8	1583.5	554.4	583.6
18	7260.3	7260.3	3627.4	1892.8	1037.5	605.4	519
20	6785.1	6785.1	1625.8	3251.1	1340.7	678.2	633.2
22	5934.1	5934.1	2963.8	1978.2	742.7	540.4	452.1
24	5563.2	5563.2	1452.8	1858.3	697.7	465.5	465.5
26	5293.9	5293.9	2653.1	1770.8	664.7	664.9	350.1
28	5065.9	5065.9	1325.6	1326.3	898.7	463.1	520.8
30	4922.9	0	1282.9	2461.1	462.2	560.1	411
32	4779.9	4779.9	2401.9	1601.9	515.8	656.4	418.6
34	4629.6	4629.6	1170.9	1559.3	502.1	639.1	319.8
36	4601.6	4601.6	1214.8	1551.6	685.1	485.9	354.7
38	4792.3	4792.3	2322.1	1549.3	664.7	530.1	367.9
40	4726.7	0	2343.4	2348.7	414	535	336.3
42	4661.1	4661.1	1187.7	1588.6	595.6	596.8	477.5
44	4758.2	4758.2	1217.9	1625.4	763.9	666.9	445.4
46	5067.4	5067.4	1302.4	1667.8	625.3	570.2	375.7
48	4961.3	4961.3	2541.6	1281	636	583.4	365.6
50	5086	5086	1352.6	1361	651.3	717.1	454.7
52	5397.6	5397.6	1387.3	1771.7	530	363.7	464.8
54	5245.1	5245.1	1339.5	1788.3	536.9	490.4	377.2
56	5291.55	0	1417.4	1808.5	481.1	498.9	356.8
58	5338	5338	2846.1	1817.1	647.4	575.8	439.5
60	5377.8	5377.8	1370.5	951.2	816.1	580.2	442.7
62	5393.9	0	1434.6	1827.1	554.8	534.5	385.7
64	5410	0	1436.5	2770.4	684.8	467	465.7
66	5426.1	5426.1	2762.5	1401.3	661.4	588.6	638.1
68	5607.35	0.3	2792.6	1889.3	570.5	778.1	479.1
70	5788.6	5788.6	1487.3	1499.9	723	579.2	551
72	5828.725	0	1515.6	1940.5	732	666.2	484.6
74	5868.85	0	2952.4	1954.5	552.8	821	568.3
76	5908.975	0	2963.6	1027.9	616.9	493.5	560.2
78	5949.1	5949.1	1541.5	1989.9	738.8	404.9	449.8
80	5712.7	5712.7	1478.3	1557.2	655.9	676	493.3
82	5979.4	5979.4	1537.9	1039.5	635.8	459.8	447.9
84	5734	5734	1546.9	1995.2	526.5	580.8	356.8
86	5754.75	0	1497.6	1994.6	349.7	319.6	359
88	5775.5	5775.5	1511.6	1999.7	569.5	387.3	415.3
90	5894.7	0	1593.6	2116.3	616.4	520.9	348.8
92	6013.9	0.3	1544.7	1599.2	713.4	475.6	325.3

94	6133.1	0	1630.5	1086.2	588.3	440.2	394.3
96	6252.3	6252.3	3175	2121.1	456.1	493.9	357.6
98	6301.58	0	1617.3	1127.2	609.8	499.6	356.2
100	6350.86	0	1725.9	1718.5	412.1	917.5	335.4
102	6400.14	0	3381.2	1155.6	668.1	681.1	325.2
104	6449.42	0	1794.1	2231.2	422.3	511.6	315.9
106	6498.7	6498.7	1739.9	1123.5	452.7	685.7	321.3
108	6576.55	0	1749.6	1700.2	426.6	573.2	358
110	6654.4	0	1842.3	1797.5	515.2	404.9	429.9
112	6732.25	0	1863.5	1210.9	261.8	482.8	428.9
114	6810.1	6810.1	1809.8	3509.4	507.7	489.6	305.8
116	6876.2	0	1829.2	1231.8	668.3	544.4	292.2
118	6942.3	0	1840.9	1246.5	773	552.9	376.2
120	7008.4	0	3668.7	1267.4	732.5	374.5	380.8
122	7074.5	7074.5	1833.3	1844.4	528.7	421.5	367.6
124	7348.85	0	1938.4	1863.3	537.2	600.7	310
126	7623.2	7623.2	0	0.3	549.7	654.1	316.9
128	7755.75	0	3882.8	1946.6	564.8	670.5	479.4
130	7888.3	0	2070.5	2084.5	625.7	617.6	344.7
132	8020.85	0	2035.1	2142.3	597.1	571.6	334.3
134	8153.4	0	2080	2100.8	612.6	497	228.5
136	8285.95	0	2136.7	2156.8	581.8	439.3	375.4
138	8418.5	8418.5	0.7	1543.8	644.1	499.3	498.2
140	8752.233333	0.3	2280.6	2276.1	776.2	625.4	341.6
142	9085.966667	0	4945.4	0.3	742.2	710.4	521.4
144	9419.7	9419.7	2462.4	2415.1	798.7	515.1	405
146	9698.625	0	2571.9	2502.8	793.9	771.6	470.8
148	9977.55	0	0	2539.3	855.4	537.3	437.8
150	10256.475	0	2782.6	0	440.4	618.2	454.4
151	10535.4	0	2811.7	2639.9	852.8	325.8	484.3
152	10814.325	0	2983.7	2695.4	864.4	633.3	653.7
153	11093.25	0	2902.2	2871.2	423.9	579.5	525.3
154	11372.175	0	2941.9	0	821.7	651.2	377.2
155	11651.1	11651.1	2974.5	1906.1	899.1	593.4	570.8
156	11701.08	0	0	2901.8	913.8	600.4	683.6
157	11751.06	0	3039.2	2946.4	926.7	1009.7	539.9
158	11801.04	0	3063.3	2003.5	937.5	681	521.8
159	11851.02	0	3081.5	0	948.4	687.4	526
160	11901	11901	0	3092.5	1039	624.9	597.7
161	12024.95455	0	3118.3	2081.2	504.1	702.6	755.5
162	12148.90909	0	3138	3154.6	904.8	710.9	511.2
163	12272.86364	0	3154.1	3326.8	476.2	970.8	514.6
164	12396.81818	0	3297.4	3215.6	919.7	679.5	547.2
165	12520.77273	0	3324.6	3239.4	998.3	1091.6	775.7
166	12644.72727	0	3196.6	3411.2	1089.9	658.4	779.7
167	12768.68182	0	3338.1	0.3	941	734.9	553.1
168	12892.63636	0	3197.7	2304	575	831	554.7
169	13016.59091	0	3343.3	3326.5	533.7	666.6	409.4

170	13140.54545	0	0	3478.1	1668.3	835.1	835
171	13264.5	13264.5	3239.3	3341.7	1541.4	700.1	883
172	13461.98596	0	3239.6	3347.6	513.7	1009.7	596.1
173	13659.47193	0	0.3	3360.6	954.7	1015.1	664.6
174	13856.95789	0	0	0	1670.1	1017.6	640.7
175	14054.44386	12925.9	0.3	3525.1	1029.9	1136.8	724.2
176	14251.92982	0	3286.4	3390.7	1031.6	1143.3	636.3
177	14449.41579	0	3299.2	3557.5	1032.2	1031.3	867
178	14646.90175	13001.4	0.3	3408.3	1075	1147.5	650.5
179	14844.38772	0	3493.7	3412.8	1026.7	689.9	816.3
180	15041.87368	0	0	3416.4	1026.8	1034.6	426.2
181	15239.35965	13006.5	3379	2377.7	1539.4	1036	521.7
182	15436.84561	0	3382.1	3589.6	953.1	765.9	614.7
183	15634.33158	13662.6	3382.6	3450.7	1026.5	765.8	606.6
184	15831.81754	13133.6	3390.7	3609.3	580	719.6	776.2
185	16029.30351	0	3396.1	3616.1	1028.1	798.5	552.7
186	16226.78947	0	3391.2	6925.2	582.1	1143.5	619.4
187	16424.27544	13166	3388.9	4612	952.6	760.5	385.7
188	16621.7614	13155.4	3539	3464.8	1112.8	760	406.5
189	16819.24737	0	0	3470	1117.4	1137.8	389
190	17016.73333	0	3369.9	3467.2	1034.2	395.4	582.4
191	17214.2193	13230.7	6700.5	3461.3	1035	396.8	617.8
192	17411.70526	0	3340	3599.9	1122.2	765.4	430.4
193	17609.19123	0	3336.2	3597.4	1080.5	766.1	413.9
194	17806.67719	0	3482.2	3451.4	1126.1	718.8	414.7
195	18004.16316	13188.7	3337.7	3449.2	1128.7	686.7	704.4
196	18201.64912	0	3321	3604.4	543.9	624	432.8
197	18399.13509	13137.8	3308.3	3623.8	1038.9	763.1	409
198	18596.62105	0	3291.6	3485.5	542.4	763.2	529
199	18794.10702	0	3290.7	2424.6	1126.4	766.7	469.9
200	18991.59298	13032.5	3437.2	3490.7	1039.1	690.6	556
201	19189.07895	13588.5	3423	3631.3	961.6	720.9	584.9
202	19386.56491	0	3414.6	3467.9	957.8	942.7	366
203	19584.05088	12962	3272	3462.8	1431.1	690.9	577.8
204	19781.53684	13500.2	3404.3	3450.4	952	765.1	430.2
205	19979.02281	0	3391.9	3585.4	1026.1	764.4	406.7
206	20176.50877	0	3388.3	3582	1025.2	623.6	609.5
207	20373.99474	12894.3	3256.9	3414.6	948.5	757.9	616.6
208	20571.4807	13416.6	3401.3	3383.4	530.5	1131	616
209	20768.96667	0	3393.2	3352.2	944.2	750.3	613.6
210	20966.45263	0	3235.2	3343.9	945	1117	768.9
211	21163.9386	12783.1	3362.2	6658.7	942.7	1109.8	1338.9
212	21361.42456	0	3346.1	3308.1	1012.9	768.9	803.8
213	21558.91053	0	3198.9	3442.3	945.6	1656.4	564.5
214	21756.39649	13167.5	3341.1	3425.1	1530.4	1474.5	1782
215	21953.88246	12550.5	3198.8	3272.5	1535.4	1328	1176.7
216	22151.36842	0	3194.9	6472.7	2052.7	1329.3	970.5
217	22348.85439	0.3	3330.1	2236.4	2570.6	1846.4	1346.9

218	22546.34035	0	3188.7	6411.6	2857.6	1656	1009.7
219	22743.82632	12403.1	3319.9	6388.2	3069.8	2642.5	893.2
220	22941.31228	0	3308.5	6353.5	3622.9	1974.9	1243
221	23138.79825	12373.6	3164.2	3305.7	3566	2557.8	932.3
222	23336.28421	12925.1	6555.6	3289.3	3545.7	2548.7	1293.6
223	23533.77018	12956.9	6259.6	6254.7	4548.3	3279.5	1754.3
224	23731.25614	12399.5	6255.6	6520.9	3940.2	2614.5	2013.6
225	23928.74211	12935	9374.5	9357.2	3929.8	3578.2	2926.9
226	24126.22807	12888.7	6223.7	6242.7	3734.3	4537.7	2685.8
227	24323.71404	12828.9	6215.3	9342.4	4006.9	3546	3211.4
228	24521.2	24521.2	9285.7	12456.2	3724.2	3508.2	3997.6
229	25024.47778	24427.6	12404.8	12462.6	4203.9	4747	3661.9
230	25527.75556	12742.1	9307.6	9385.4	5450.3	4557.1	4791.6
231	26031.03333	12716.9	9263	9405.8	3724.6	4093.9	4420.5
232	26534.31111	12678.4	12340	12583.1	5124.2	4522.8	4200
233	27037.58889	24194.2	6169.7	9424	4200.2	4344.9	3656.6
234	27540.86667	24042.7	6163.8	9412.5	5102.7	4799.8	2978.5
235	28044.14444	23792	6146.5	8367.6	4465.3	5220.5	2489.4
236	28547.42222	23572.5	6152.3	8340.9	4928	4153.6	3128.1
237	29050.7	12211.6	6142.2	10393	3920.7	3911.4	3700.3
238	29553.97778	12173.3	9182.6	6222.9	4380.2	3571	3558.6
239	30057.25556	12170.8	9110.9	9300.2	4042.5	3754.6	3800.5
240	30560.53333	23206.5	6043.5	15474.7	3847.5	3189.3	4374.5
241	31063.81111	12068.4	6255.4	9250	3103.8	3763.4	4422.7
242	31567.08889	12039.6	11911.2	8180.1	3687.7	3447.3	4060.7
243	32070.36667	22973.1	11866	6092.3	4351.6	4109.6	5996.2
244	32573.64444	11894.1	8838.3	6048.8	3265.7	4099.5	4072.2
245	33076.92222	22584.9	11718.3	9023.9	3710.1	5019.3	4373
246	33580.2	33580.2	8717.6	7974	3845.8	3872.9	5477.5
247	33801.225	23148.1	11522.8	11911.7	3827.3	4136.1	4522.1
248	34022.25	21916.8	11440.9	11852	3646.1	4245.4	5887.5
249	34243.275	32532.7	11383.5	7847.5	3146	4896.9	4088.6
250	34464.3	22447	8529.9	8777.1	3533.6	5396.9	3933.2
251	34685.325	32026.6	11361.1	8748.5	4197.4	4141.8	3888.6
252	34906.35	31602.4	11354.2	7727.6	5427.8	4269.3	4213.9
253	35127.375	20740.3	11345.6	9545.1	6259.8	3369.2	3233.1
254	35348.4	20572.3	11313.5	7561.5	4699.3	4743	3873.2
255	35569.425	20451.8	14058.6	11257.8	5372.7	3673.1	3837.7
256	35790.45	20325.6	13931.9	11164.7	5699.4	4290.3	4022.4
257	36011.475	20083.9	13853.9	9233.7	4886.5	3820.3	5325.4
258	36232.5	19864.9	8254.5	11034	5223	3950.2	4869.2
259	36453.525	29559.1	10940	9137.2	3697.2	4384.9	4668.4
260	36674.55	29387.3	10902.9	9087.7	3943.7	3958.3	5418.3
261	36895.575	19551.9	8189.8	10838	4027.4	4724.3	3897.3
262	37116.6	19504.9	13677.1	10774.5	4012.5	3860.4	4408
263	37337.625	19461.7	5727.9	10673.1	4424	4491.1	4476.1
264	37558.65	29175.2	8222.4	7075.8	4644.9	4058.8	4180.2
265	37779.675	20305.9	8206.4	8284.3	3973.7	5441.3	4637.1

266	38000.7	10176.6	10954	7916.1	3358.3	4375.4	3333.4
267	38221.725	19569.2	8206.2	8809.4	3933.6	5498.1	4457.9
268	38442.75	19589.2	8237.2	7940.1	4260.8	4279.8	4351.3
269	38663.775	19716.7	5519.1	7062.4	3575.1	4455.9	4782.3
270	38884.8	10331.1	5551	7038.7	3581.6	3903.2	5216.6
271	39105.825	19953.3	5567.2	7894.1	3995.6	4341.7	5617.5
272	39326.85	20089.4	11147.2	7000	4004.6	4656.6	5451.6
273	39547.875	20217.8	11140.8	10546.7	3025.5	4986.9	5227.1
274	39768.9	20357.4	8351.4	7948.3	2806.5	4222	3790.2
275	39989.925	20558.6	11126.4	7969.3	3625.4	3675.4	3516.4
276	40210.95	31063.2	8343.4	5340.5	3647.2	5064.4	3190.1
277	40431.975	20854.5	8296.4	8084.9	3651.1	3813.5	3038
278	40653	20904.4	8315.9	8181.7	4054	3516.5	2848.9
279	40874.025	21024.4	5589.4	7327.1	3399.6	3750.2	2967.9
280	41095.05	21183.2	5591.3	10979.9	3890	4506.3	3108.8
281	41316.075	21209.9	8368.2	10969.9	3616.5	4842.9	3348.4
282	41537.1	31860.3	8377	10981.4	4090.8	4347.2	3634.9
283	41758.125	21186.5	8345.3	8237.9	3659.9	4040.7	3992.1
284	41979.15	22036.2	5549.3	10955.3	3882.9	4783.4	4124.4
285	42200.175	10580.8	5541	10933.2	3602.9	4704.3	4664.6
286	42421.2	42421.2	8332.6	13612.7	2302	6063.1	4764.2
287	42241.68846	11004.8	8323.3	12684.5	2475.2	5217.3	5760.6
288	42062.17692	20946.8	5534	12623.8	3517.1	5993.3	5191
289	41882.66538	20873.1	11082.9	12618.8	3370	5698.6	4914.8
290	41703.15385	20800.4	5513.6	12582.1	3718.3	5920.4	4568.6
291	41523.64231	10779.8	10955	13412.6	2587.8	5551	4015.2
292	41344.13077	20554.5	18900.5	21389.7	2931.5	5758.7	3486.2
293	41164.61923	30788	21324.6	14183.8	2169.8	4156.2	4078.8
294	40985.10769	20530.4	23783.3	12304.7	1996.5	3925.6	4167.7
295	40805.59615	30686.8	23621.7	18279.1	2632.1	3275.2	5790.7
296	40626.08462	10605	23592.7	10383.4	2807.5	3933.2	13770.6
297	40446.57308	20086.2	23510.1	13769.1	5186.2	3972.4	9538.6
298	40267.06154	19883.8	13014.3	8578	15070.5	2443.8	6280.1
299	40087.55	10314.3	12987.7	15377.7	14827.3	4811.2	10177.1
300	39908.03846	10260.5	10339.2	6766.9	15870.5	4968.6	10106.8
301	39728.52692	9807.6	10242.9	6700.2	15656.4	10281.5	9178.7
302	39549.01538	10195.7	10595.2	6642.1	15135	8952.7	6423.9
303	39369.50385	9742.4	10049.1	3295.1	14325.5	9026.5	11798.7
304	39189.99231	10140.7	19967	4866.5	11404.4	7414	17050.9
305	39010.48077	29000.7	9904.6	4784.8	10085.2	8356.4	16640
306	38830.96923	9578.2	12309.1	7078.6	10337.9	10080.4	11739.5
307	38651.45769	19085	19528.2	3127.4	7555.2	9545	8524.4
308	38471.94615	19049	14484.2	4666.5	4618.3	11075.4	5654.2
309	38292.43462	18958.3	14353.4	4658.4	3386.6	7899	3411.3
310	38112.92308	9891.2	14208.4	4649.4	4069.8	5606.6	3690.7
311	37933.41154	28350.7	11641.3	3108.2	3213	4344.7	2257.4
312	37759.6672	37753.9	13951.5	2440.3	1795.8	4526.7	1721.5
313	35816.56	28323.1	11701.3	4657.8	1737.3	5784.8	2138.2

314	33879.22	19778.5	11787.6	3094.2	858.8	5723.1	1950.5
315	31941.88	28326.5	9446.9	4638.5	1138.9	7840.9	1903.7
316	30004.54	28178.6	7123.7	6947.6	1219.6	9610.2	2021.4
317	28067.2	28067.2	9509.5	9253.6	852.7	10024.4	5621.8
318	27011.74444	18649.8	9577	16995.6	1066.4	8687	3847.8
319	25956.28889	18455.6	5021.6	17046.1	1001.1	6740.2	1880.1
320	24900.83333	18261.4	5031.1	13981.3	912.2	4702.7	2300
321	23845.37778	9460.6	4829.4	10833.9	753.6	3506.1	2441.8
322	22789.92222	9426.1	4836.3	11521.1	752.4	2640.6	1798.1
323	21734.46667	8969.2	4834.7	9193.4	798.1	1827.7	1496.6
324	20679.01111	9305.1	2507.9	6101.1	1252.3	1111.5	1126
325	19623.55556	9290.6	2388.6	4544.5	1134.7	1432.5	874.3
326	18568.1	18568.1	2481.3	4504.6	1061.4	932.4	551.9
327	18102.972	8847	2348.8	4456.3	552.9	1196.3	795.1
328	17637.844	8796.9	2313.1	4409.5	743.3	743.1	1022
329	17172.716	8762.2	2284.7	3039.9	986.3	741.1	1261.9
330	16707.588	0	4527.3	2876.4	780.2	844.9	549.1
331	16242.46	8996.9	4437.9	1484.8	826.5	918.4	461.3
332	15777.332	8518.2	2175.5	1466.1	1094.6	505.1	485.5
333	15312.204	0	2235.6	1384.9	679.6	728.2	740.9
334	14847.076	8789.5	4208.8	1416.3	865.7	612.6	594.5
335	14381.948	8381.2	2160.7	2663.7	798.4	495.2	687.8
336	13916.82	0	2122.5	2617.3	742.3	716.9	357.7
337	13451.692	0	2003.5	1340.8	733	603.7	573.7
338	12986.564	8157.8	2056.5	2517.9	681.4	648.9	657.1
339	12521.436	8054.3	2024.9	1290.9	466.5	590.8	429.5
340	12056.308	0	3805.5	1216.4	623.1	686.4	408.2
341	11591.18	0.3	1946.9	1248.4	688.9	675.5	353.2
342	11126.052	8116.9	1900.6	1827.4	426.4	996.3	581.4
343	10660.924	7960.4	5326.5	1137.7	667.7	651.9	341.8
344	10195.796	7515.5	1820	1673.1	436.4	731.6	419.4
345	9730.668	0.3	1709	1095.1	605.5	719.5	414.3
346	9265.54	7253.8	1742.3	1120.7	593.5	845.1	375.1
347	8800.412	7431.5	1711.3	1059.7	364.7	473.7	214.7
348	8335.284	7301.5	3231.2	1037.1	566.3	501.2	282.8
349	7870.156	6879.4	1660.3	1013.1	521.7	489.9	396
350	7405.028	0.3	1617.6	1038.5	339.1	519.9	311.3
351	6939.9	6939.9	1590.4	1025.7	523.6	408.4	336.5
352	6768	6768	1557.6	1016.2	640.2	376.3	343.9
353	6316.1	6316.1	1458.4	965.1	495.3	368.9	368.1
354	6178	6178	1506.9	1004.3	322.1	480.4	368.4
355	6340.1	6340.1	1496.2	1439.6	448.8	378.1	341.7
356	5968	5968	1438.1	998.4	309.9	584.7	385.2
357	6136.5	6136.5	1502.1	1979.5	572.1	504.6	379.1
358	6033.7	6033.7	1488.6	0.3	282.3	316.3	272.1
359	5725.7	5725.7	1468.2	931	416.9	337.3	294.7
360	5693.2	5693.2	1442.3	960.9	320.1	240.9	251.2
361	5892.5	5892.5	1416.7	951.9	399.9	325.5	246.2

362	5871.4	5871.4	1340	943.1	370.5	395.1	230.3
363	5841.6	5841.6	1327.8	900.9	381	291.7	184.7
364	5835.72	0.3	1320	895.6	495.3	415.9	221.8
365	5829.84	0	1306.7	887.3	512.8	447.9	177.3
366	5823.96	0	0.3	917.8	305.8	205.7	147.9
367	5818.08	0	0.3	875.1	222	413.1	203.4
368	5812.2	5812.2	1303.9	905.6	345.8	343	115.2
369	5828.25	0	1283.5	893	339.5	233.2	139.4
370	5844.3	5844.3	1260.7	844.2	351.3	357.5	98.4
371	5862.2	5862.2	1180.2	839.3	278.1	333.8	144.8
372	5856.4	5856.4	1161.4	837.2	288.3	225.3	154.7
373	5857.925	0	1191.7	866.2	199.4	315.1	130.5
374	5859.45	0.3	1126.3	820.1	208.9	226.6	145.4
375	5860.975	0.3	1112.4	810.7	281.6	208	150.6
376	5862.5	5862.5	0.3	797.2	197.1	207.8	122.4
377	5636.15	0	1094	819	220.2	216.1	80.6
378	5409.8	5409.8	1123.4	775	414.9	308	119
379	5307.7	5307.7	1053.4	764.4	394.8	265	78.4
380	5229.7	0	1082.7	0	300.3	186.3	116.5
381	5151.7	5151.7	1023.6	770.8	201.9	185	116.1
382	5078.8	0	1015.6	754.4	288.5	364.4	115.8
383	5005.9	0	1007.2	707.6	193.5	288	187.2
384	4933	4933	1036.4	720.5	212.8	181.7	93.1
385	4860.6	4860.6	981.7	702.8	417.4	256.6	195.1
386	4764.766667	0	1951.8	690.7	368.3	167	119.8
387	4668.933333	0	1950.3	650	165.1	324.3	109.2
388	4573.1	4573.1	976.3	667.6	243.1	169.9	71.8
389	4458.433333	0.3	973.8	653.7	437.2	334.5	142.2
390	4343.766667	0	0	640.8	343.1	153.2	108.5
391	4229.1	4229.1	963.4	630.4	253	151	69
392	4155.475	0	991.1	1188.3	249.5	240.6	70.5
393	4081.85	0.3	0.3	615.4	246.1	205.7	39.3
394	4008.225	0.3	923	584.7	212.4	145.3	75.3
395	3934.6	0	0.3	581.8	208.8	133.7	62.1
396	3860.975	0	896.9	582.5	205.1	141.5	65.5
397	3787.35	0	0	582.3	310.9	149.6	34.9
398	3713.725	0	905.6	577.2	405.7	158.7	55.9
399	3640.1	3640.1	850.6	568.1	453.1	134	34.1
400	3562.7	3562.7	0.3	1121.2	297.6	74.2	59.9
401	3478.9	3478.9	822.7	555.5	231.1	181.7	60.7
402	3404.65	0.3	841.6	577.8	144.5	142.9	59.4
403	3330.4	3330.4	797.6	1096.9	158.9	187.7	58.2
404	3271.25	0	817.6	543.2	182.7	129.5	28.6
405	3212.1	3212.1	0.3	536.2	205.1	132.2	27.1
406	3156.8	0	0	530.8	191.2	130	28.3
407	3101.5	3101.5	787.7	0	145.4	128.4	52.8
408	3085.04	0	748.8	403.2	144.2	176.6	51.6
409	3068.58	0	744.2	505.9	192.9	70.8	72.3

410	3052.12	0	768.9	0.3	126.8	212.2	27.6
411	3035.66	0	763	489.5	108.6	120.7	48
412	3019.2	3019.2	0	361.9	131.1	57.4	47.2
413	3035.6	0	708.6	496.6	65	108.4	46.4
414	3052	3052	0.3	467.8	64.4	99.8	43.7
415	3061.15	0	681.4	461.4	53.8	104.8	42.7
416	3070.3	3070.3	697	457.1	123.1	57.6	23.5
417	3060.5	3060.5	686.2	452.5	134.8	100.1	22.3
418	3049	0	0	0.3	119.3	105.7	42
419	3037.5	0.3	0	0	60.9	96.4	38.5
420	3026	3026	0	431.9	127.5	87.9	42.1
421	2985.2	2985.2	0.3	424.8	119.7	48.2	38.3
422	3069	3069	593.4	433.5	101.9	79.2	20.4
423	2979.525	0.3	0	425.9	110.3	46.4	20.7
424	2890.05	0	0	399.6	136.8	45.4	36.2
425	2800.575	0	0	0.3	90.9	118.8	33.5
426	2711.1	2711.1	0	0	56.3	40.5	36.5
427	2656.454167	0	522.8	0	107.2	42.5	51.9
428	2601.808333	0	0	367.2	97.3	79.8	34
429	2547.1625	0	513.4	360.9	96.4	73.2	30.4
430	2492.516667	0	954.9	0	95.9	59.7	17.2
431	2437.870833	0.3	0	344.3	110.2	30.6	16.7
432	2383.225	0	0	0	49.6	34.3	31
433	2328.579167	0	0	0	95.9	37.7	34.2
434	2273.933333	0	0	0	50.6	30.6	33.1
435	2219.2875	0	418.6	325.7	48.5	36.6	16.8
436	2164.641667	0	0	0	51.4	68.6	16.6
437	2109.995833	0	400.8	317.6	51.1	55.3	18.5
438	2055.35	0	390.3	315.4	44.8	34.5	33
439	2000.704167	0	0	0	56.3	64.7	0.3
440	1946.058333	0	0	306.7	56.5	58.6	17.4
441	1891.4125	0	0	0	45.4	27.7	0.3
442	1836.766667	0	0	0	52.1	29.3	17
443	1782.120833	0	0	0.3	110.7	23.1	19.4
444	1727.475	0	0	0	102	43.2	17.2
445	1672.829167	0	0	0	51.4	42.2	16.6
446	1618.183333	0	0	0	51.6	26.5	16.4
447	1563.5375	0	0	0	59.4	24.2	15
448	1508.891667	0	0.3	0	53	24.6	0.3
449	1454.245833	0	0	0	100.9	43.2	13.4
450	1399.6	1399.6	0	0.3	52	63.4	15.1
451	1371.152632	0	0	0	47.3	24.6	12.4
452	1342.705263	0	265.8	0	46.7	21.4	13.5
453	1314.257895	0	246.2	265.6	84.9	18.2	13
454	1285.810526	0	0	260.4	54.3	18	9.7
455	1257.363158	0	0	191.8	48.6	17.6	10.3
456	1228.915789	0	0	0	44.1	19.2	10.9
457	1200.468421	0	0	183.5	83.2	16.9	9.5

458	1172.021053	0	0	0	84.8	37.4	9.3
459	1143.573684	0	0	0	43.2	36.3	9.2
460	1115.126316	0	0	0	37.6	15.7	9.8
461	1086.678947	0	0	0	72.9	15	7.5
462	1058.231579	0	0	0	40.1	33.3	7.9
463	1029.784211	0	197.7	0	68.6	15	8.6
464	1001.336842	0	0	0	66.7	14.4	7.5
465	972.8894737	0	0	0	67.7	14.4	7.4
466	944.4421053	0	0	0	65.2	17.3	6.6
467	915.9947368	0	180.5	135.6	114.2	13.3	8
468	887.5473684	0	0	174.5	29.7	12.5	6.5
469	859.1	859.1	0	0.3	51.6	10.3	6.3
470	837.6225	0	0	0	55.8	10.3	0.3
471	816.145	0	0.3	0	29.1	12.4	6.7
472	794.6675	0	0	0	27.9	11.6	5.5
473	773.19	0	164.6	0	27.1	13	5.7
474	751.7125	0	0	0.3	25.1	9.8	6
475	730.235	0	0	0	46.2	9.7	5.2
476	708.7575	0	0	133.8	20.7	11.9	4.6
477	687.28	0	0	97.3	20.9	10.2	4.9
478	665.8025	0	0	0	22.5	18.1	4.7
479	644.325	0	0	124.1	19.1	8.8	5
480	622.8475	0	133.4	0	19	8.2	4.5
481	601.37	0	0	0.3	19.1	18	4.3
482	579.8925	0	0	0	18.4	8.7	3.6
483	558.415	0	123.3	0	17.8	8.4	4.1
484	536.9375	0	0	0	17.1	8.2	4.2
485	515.46	0	0	0	14.1	7.6	4.1
486	493.9825	0	0	0	17.2	7.9	3.6
487	472.505	0	0	73.9	17.4	7.1	3.2
488	451.0275	0	0	92.6	14.3	14.7	6.7
489	429.55	0	0.3	0	14.5	6.7	3.4
490	408.0725	0	0	0	12.9	6.3	3.4
491	386.595	0	0	0	12.1	6.1	3.1
492	365.1175	0	99.9	0	14.4	5.7	2.9
493	343.64	0	0	0	10.9	5.5	3.3
494	322.1625	0	0.3	0	10.2	5.7	5.2
495	300.685	0	0	0	11.5	5.3	2.6
496	279.2075	0	0	0	20.5	5.7	5.3
497	257.73	0	0	0	10.3	5.7	2.2
498	236.2525	0	0	0	9	4.2	2.5
499	214.775	0	0	0	10.6	3.8	4.8
500	193.2975	0	0	0	8.6	4.7	2.2
501	171.82	0	0	0	8.7	5.8	2.4
502	150.3425	0	81	0	8.1	5	2.7
503	128.865	0	0	0	8	3.6	4.4
504	107.3875	0	0	34.2	16.2	4.5	4
505	85.91	0	0	0	7.6	4.7	2.3

506	64.4325	0	77.6	64.8	9.5	3.9	2.1
507	42.955	0	0.3	0	7.7	3.8	4.1
508	21.4775	0	72.3	0	7.4	8.8	2.6
509	1.47793E-12	0	0	0	8.8	4	4.1
510	0	0	0	0	7.9	8	3.4
511	0	0	70.1	0	7.5	3.7	3.7
512	0	0	68.7	0.3	6.3	4	2.1
513	0	0	69.9	58.3	6.6	2.9	3.1
514	0	0	0	56.6	6.4	3	1.9
515	0	0	64	57.2	6.2	3.8	3
516	0	0	62.5	0	7.1	2.7	3.6
517	0	0	61.5	0	6.1	3.2	3.8
518	0	0	61.5	0	5.6	3.4	3.3
519	0	0	60.5	36.6	6.1	2.4	1.9
520	0	0	59.4	0.3	5.9	5.8	3.4
521	0	0	58.1	0	11.1	3	1.6
522	0	0	58.1	27.6	5.2	4.7	3.1
523	0	0	59	26.9	4.9	7.1	3.1
524	0	0	0	0.3	4.7	3.3	3.4
525	0	0	57.6	33	4.5	4.6	3.1
526	0	0	54.4	0	4.8	5.1	3.1
527	0	0	53.2	0	5.1	5.2	2.8
528	0	0	52	31.3	4.9	2.6	3
529	0	0	0.3	30.5	9	4.7	1.6
530	0	0	51.5	40.5	9.3	3.4	3.1
531	0	0	53.8	30.9	4.2	3.8	2.7
532	0	0	51.5	24.6	4.6	4	2.8
533	0	0	51.1	23	4.6	3.9	2.6
534	0	0	50.2	30.3	8.6	4.4	2.6
535	0	0	0.3	24.3	5.1	3.3	2
536	0	0	0	22.2	4.1	3.3	2.5
537	0	0	0.3	35.2	4	4.3	2.6
538	0	0	48.1	26	4.1	3.4	2.3
539	0	0	50.3	26.3	4	3.3	2.5
540	0	0	47.7	0.3	3.5	3	2.9
541	0	0	0.3	24.6	3.4	1.8	2.4
542	0	0	0.3	20.4	3.8	3.1	2.6
543	0	0	0.3	19.8	3.7	3.3	3.4
544	0	0	42.3	23.7	3.3	3.2	2.5
545	0	0	0.3	31.3	6.1	3.1	2.2
546	0	0	39.2	18.7	3.3	4.4	1.9
547	0	0	40	18.9	3.5	3.4	2.5
548	0	0	0	17.6	3	3.1	2.3
549	0	0	40.2	22.2	3.3	3	3
550	0	0	38.4	21.9	2.9	4.4	2.4
551	0	0	37.5	14.2	3.1	1.5	2.4
552	0	0	36.7	14.2	3.3	3	3
553	0	0	35.9	15.7	3.1	3.7	2.7

554	**0**	**0**	**36**	**26.6**	**6.4**	**2.9**	**2.1**
555	**0**	**0**	**35**	**19.8**	**3.1**	**2.9**	**3.1**

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CHEMISTRY AND CHEMICAL ENGINEERING DIVISION
DEPARTMENT OF ANALYTICAL AND ENVIRONMENTAL CHEMISTRY

September 23, 2015

Los Alamos National Laboratory
TA-3 SM-271 Drop Point 02U
Los Alamos, New Mexico 87545

Attn: Keith R. Greene

Subject:		
	COC ID:	ADESH
	SwRI Project Number:	19869.01.00X
	SDG:	576893
	SwRI Task Order Number:	150626-11
	SwRI Sample Receipt Number:	55640
	Samples Received:	06.26.2015
	Analysis:	Thermal Properties measurement

Dear Mr. Greene,

Please find the enclosed results for the sixteen (16) overall samples received on the above referenced date. Should you have any questions, please feel free to contact me at 210-522-3051, or via email at herbert.schattenberg@swri.org.

Sincerely,

for Herbert J. Schattenberg III
Program Manager

APPROVED:

for Michael J. Dammann
Director

HJS: jz
Encl

010001

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Los Alamos National Laboratory
SwRI TASK ORDER: 150626-11
SwRI SRR: 55640
SDG: 576893
VTSR: 06.26.2015

CHAIN-OF-CUSTODY
&
SAMPLE RECEIPT PAPERWORK

Total Page Count: 010001-
Fraction Wet Chem Pages: 010035

ADESH :)

FIELD CHAIN- OF CUSTODY

010002

NAME Keith Gricen LANL

TA:

#:

OU:

HON

CHAGE CODE:

Client: Los Alamos National Laboratory
SwRI Project # 15R03.01.003
VTSR: 06/26/15 08:40
Battery Check: Y
Cooler/Container Wipe: <100 cpm
Total cpm-mR/h (samples): <100 cpm; <0.5 mR/hr Wipe Field Description: Cooler(s) - 3
(see Radioactive Material Receiving Form for more information)

SwRI SRR #150440
Case: ADESH
Sample(s) Received: Intact/Leaking
Background Check: <100 cpm (Lab 163)
Temp.: 2.0 °C (Blue Ice) / SRR # 20

SAMPLE #	ORDER CODE	CONTAINER	PREV. COLLECTED: Time /date	SPECIAL instructions
$Na(NO_3)_2$		BAG	6/24/14 2:40	
$Mg(NO_3)_2$				
$Ca(NO_3)_2$				
Sulfur				

Please follow Attached Instructions. Mike P. Know these were coming

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
E_Green	6/25/15 3100		6/26/15 0840

010003

	3:1:0	3:1:6.25	3:1:50	1:1:0
-10C	MIX 3:1:0(-10C)	MIX 3:1:6.25(-10C)	MIX 3:1:50(-10C)	MIX 1:1:0(-10C)
20C	MIX 3:1:0(20C)	MIX 3:1:6.25(20C)	MIX 3:1:50(20C)	MIX 1:1:0(20C)
40C	MIX 3:1:0(40C)	MIX 3:1:6.25(40C)	MIX 3:1:50(40C)	MIX 1:1:0(40C)

	ASTM D5334	ASTM D5057	ASTM E1269/D7896/D2766
ID	Thermal Conductivity	Density	Heat Capacity
MIX 3:1:0(-10C)	Yes	Yes	Yes
MIX 3:1:0(20C)	Yes	Yes	Yes
MIX 3:1:0(40C)	Yes	Yes	Yes
MIX 3:1:6.25(-10C)	Yes	Yes	Yes
MIX 3:1:6.25(20C)	Yes	Yes	Yes
MIX 3:1:6.25(40C)	Yes	Yes	Yes
MIX 3:1:50(-10C)	Yes	Yes	Yes
MIX 3:1:50(20C)	Yes	Yes	Yes
MIX 3:1:50(40C)	Yes	Yes	Yes
MIX 1:1:0(-10C)	Yes	Yes	No
MIX 1:1:0(20C)	Yes	Yes	No
MIX 1:1:0(40C)	Yes	Yes	No

Scott 6/20/15
0846

Southwest Research Institute

Laboratory Task Order

TO #: 150626-11 Revision: 0

010004

SDG: 576893
VTSR: 06/26/15
CASE: ADESH

SRR #'s: 55640
Client(s): Los Alamos National Laboratory

Project(s): 19869.01.00X
Manager(s): DAMMANN, MIKE
To Client: 07/23/15

Instructions

Los Alamos National Laboratory _ Subcontract No. 250954
ADESH
Lab Request # N/A
SDG is 576893.

28-day TAT, PRELIMINARY.
ALL DATA IS DUE TO THE CLIENT ON 07/24/2015.

4 overall samples (4 container) were received on 06/26/2015, which is listed on this Task Order.
Thermal property measurements of SWheat, nitrate salt and water mixtures.

MIXTURE
The nitrate salt mixture consist of magnesium nitrate, calcium nitrate and sodium nitrate. These are provided separately and will be mixed by SWRI in the following weight ratios: 63.4% magnesium nitrate, 22.5% calcium nitrate and 14.1% sodium nitrate.

The Swheat salt mixture will be mixed by volume with the above nitrate salt mixture. Two ratios will be used 3:1 Swheat to salt and 1:1 Swheat to salt. The 1:1 mixture will be tested dry, while the 3:1 mixture will have three different water contents-dry, 6.25% by mass water and 50% by mass water. All ratios will be well mixed, such that the water and salt is well distributed

All the 3:1 mixtures will have the thermal conductivity, density and heat capacity measured, while the 1:1 mixture will have the thermal conductivity
and density measured. The tests will be performed at three temperatures, -10 ?C, 20 ?C and 40 ?C.

LARGE FILE UPLOAD _ To: Keith Greene kgreene@lanl.gov

EDD NOT APPLICABLE.
See Exhibit "D" Scope of Work and Technical Specifications for Off-Site Analytical Laboratory Services

---

Main point-of-contact is Keith R. Greene, kgreene@lanl.gov; Additional contact Nita Patel npatel@lanl.gov
Send Hardcopy & CD TO:
Los Alamos National Laboratory
ATTN: Keith R. Greene
TA-3 SM-271 Drop point 02U
Los Alamos, NM 87545

Documents Related to this task order: 181175[COC for SRR 55640], 181176[SRR Paperwork for SRR 55640]

Deliverables --> Hard Copy: -YES- EDD: no PDF: -YES-

Test: ASTM_D5334 Holding: 180 days from CED
Section: WETCHEM ASTM D5334 Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Cnt: 12

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
576893		1		MIX 1:1:0(-10C)		
576894		1		MIX 1:1:0(20C)		
576895		1		MIX 1:1:0(40C)		
576896		1		MIX 3:1:0(-10C)		
576897		1		MIX 3:1:0(20C)		
576898		1		MIX 3:1:0(40C)		
576899		1		MIX 3:1:50(-10C)		
576900		1		MIX 3:1:50(20C)		
576901		1		MIX 3:1:50(40C)		

Southwest Research Institute

Laboratory Task Order

TO #: 150626-11 Revision: 0

010005

Project(s): 19869.01.00X
Manager(s): DAMMANN, MIKE
To Client: 07/23/15

SDG: 576893
VTSR: 06/26/15
CASE: ADESH

SRR #'s: 55640
Client(s): Los Alamos National Laboratory

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
576902		1		MIX 3:1:6.25(-10C)		
576903		1		MIX 3:1:6.25(20C)		
576904		1		MIX 3:1:6.25(40C)		

Test: BD_D5057
Section: WETCHEM

Holding: 180 days from CED
Bulk Density by ASTM D5057

Cnt: 12

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
576893		1		MIX 1:1:0(-10C)		
576894		1		MIX 1:1:0(20C)		
576895		1		MIX 1:1:0(40C)		
576896		1		MIX 3:1:0(-10C)		
576897		1		MIX 3:1:0(20C)		
576898		1		MIX 3:1:0(40C)		
576899		1		MIX 3:1:50(-10C)		
576900		1		MIX 3:1:50(20C)		
576901		1		MIX 3:1:50(40C)		
576902		1		MIX 3:1:6.25(-10C)		
576903		1		MIX 3:1:6.25(20C)		
576904		1		MIX 3:1:6.25(40C)		

Test: SPEC HEAT_E1269
Section: WETCHEM

Holding: 180 days from CED
ASTM E1269 Standard Test Method for Determining Specific Heat Capacity by Differential Scanning Calorimetry

Cnt: 9

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
576896		1		MIX 3:1:0(-10C)		
576897		1		MIX 3:1:0(20C)		
576898		1		MIX 3:1:0(40C)		
576899		1		MIX 3:1:50(-10C)		
576900		1		MIX 3:1:50(20C)		
576901		1		MIX 3:1:50(40C)		
576902		1		MIX 3:1:6.25(-10C)		
576903		1		MIX 3:1:6.25(20C)		
576904		1		MIX 3:1:6.25(40C)		

Test: WET-MISC
Section: WETCHEM

Holding: 60 days from CED
HANDLING - See Instructions

Cnt: 4

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
576888		1	Solid	Ca(NO3)2		
576889		1	Solid	Mg(NO3)2		
576890		1	Solid	Na(NO3)2		
576891		1	Solid	Swheat		

Sample Receipt

010006

Southwest Research Institute

Sample Receipt Number: 55640

VTSR: 06/26/15

Time: 08:40:00

Project: 19869.01.00X
Case #: ADESH
Client: Los Alamos National Laboratory

Manager: DAMMANN, MIKE
Logged in by: SDOUGLAS
Creation Date: 06/26/15

Notes

Sample was delivered intact. (blue ice).

Fed Ex #(s):
590817790073 - 2.2 °C
590817790100 - 2.0 °C
590817790084 - 2.2 °C

See Task Order for full requirements.

See chain of custody as part of the SRR system for more information.

Phases:
001 - admin
002 - extraction
005 - 8082
006 - metals/radchem
007 - drg

Background CPM: <100 cpm
Container Wipe CPM: <100 cpm
Total CPM: <100

System ID	Customer ID	CED	Matrix	Containers	Special Reqs.
576888	Ca(NO3)2		Solid	1	
576889	Mg(NO3)2		Solid	1	
576893	MIX 1:1:0(-10C)			1	
576894	MIX 1:1:0(20C)			1	
576895	MIX 1:1:0(40C)			1	
576896	MIX 3:1:0(-10C)			1	
576897	MIX 3:1:0(20C)			1	
576898	MIX 3:1:0(40C)			1	
576899	MIX 3:1:50(-10C)			1	
576900	MIX 3:1:50(20C)			1	
576901	MIX 3:1:50(40C)			1	
576902	MIX 3:1:6.25(-10C)			1	
576903	MIX 3:1:6.25(20C)			1	
576904	MIX 3:1:6.25(40C)			1	
576890	Na(NO3)2		Solid	1	
576891	Swheat		Solid	1	

Containers: 16 Samples: 16

These documents are associated with this receipt: 181175[COC for SRR 55640], 181176[SRR Paperwork for SRR 55640]

Thermometer: 021056
Temperature: 2.0

55640 Los Alamos National Laborato

Page Printed: 09/23/2015 11:04
ver: (7/18/2014)

Southwest Research Institute

Traffic Report

010007

Sample Custodian Signature: _____

1. Custody Seal — Present
2. Chain of Custody — Present
3. Sample Tags — Not Present
   Sample Tag Numbers — Not on COC
4. SMO Forms — Not Present

Client: Los Alamos National Laboratory

Project: 19869.01.00X

Case: ADESH / SDG: _____

Sample Receipt: 55640

Airbill: 590817790073, 590817790100, 590817790084

Custody Seal #(s): N/A

Date Received	Time Received	COC Record	SMO Sample #	Corresponding		Traffic Rpt, Tags, COC Agree	Sample Condition
				Sample Tag #	SwRI #		
06/26/15	08:40:00	06/24/14 14:40	Ca(NO3)2	N/A	576888	YES	Intact
06/26/15	08:40:00	06/24/14 14:40	Mg(NO3)2	N/A	576889	YES	Intact
06/26/15	08:40:00	06/24/14 14:40	Na(NO3)2	N/A	576890	YES	Intact
06/26/15	08:40:00	06/24/14 14:40	Swheat	N/A	576891	YES	Intact
06/26/15	08:40:00		MIX 1:1:0(-10C)		576893	NO	
06/26/15	08:40:00		MIX 1:1:0(20C)		576894	NO	
06/26/15	08:40:00		MIX 1:1:0(40C)		576895	NO	
06/26/15	08:40:00		MIX 3:1:0(-10C)		576896	NO	
06/26/15	08:40:00		MIX 3:1:0(20C)		576897	NO	
06/26/15	08:40:00		MIX 3:1:0(40C)		576898	NO	
06/26/15	08:40:00		MIX 3:1:50(-10C)		576899	NO	
06/26/15	08:40:00		MIX 3:1:50(20C)		576900	NO	
06/26/15	08:40:00		MIX 3:1:50(40C)		576901	NO	
06/26/15	08:40:00		MIX 3:1:6.25(-10C)		576902	NO	
06/26/15	08:40:00		MIX 3:1:6.25(20C)		576903	NO	
06/26/15	08:40:00		MIX 3:1:6.25(40C)		576904	NO	

SAMPLE LOG-IN SHEET

010008

Lab Name: Southwest Research Institute				Page 1 of 1
Received By (Print Name): STEVEN DOUGLAS				Log-in Date: 06/26/2015
Received By (Signature): [signature]				
Case Number: ADESH		Sample Delivery Group No: N/A		SAS Number: N/A
Remarks: 19869.01.00X				

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc
1. Custody Seal(s)	Present/Absent* Intact/Broken	Ca(NO3)2	N/A	576888	Intact
2. Custody Seal Nos.	N/A	Mg(NO3)2	N/A	576889	Intact
		Na(NO3)2	N/A	576890	Intact
3. Chain-of Custody Records	Present/Absent*	Swheat	N/A	576891	Intact
4. Traffic Reports or Packing Lists	Present Absent	MIX 1:1:0(-10C)		576893	
5. Airbill	Airbill/Sticker Present/Absent*	MIX 1:1:0(20C)		576894	
		MIX 1:1:0(40C)		576895	
6. Airbill No.	590817790073, 590817790100, 590817790084	MIX 3:1:0(-10C)		576896	
7. Sample Tags	Present Absent	MIX 3:1:0(20C)		576897	
Sample Tag Numbers	Listed/Not listed on Chain of Custody	MIX 3:1:0(40C)		576898	
		MIX 3:1:50(-10C)		576899	
8. Sample Condition	Intact/Broken*/Leaking	MIX 3:1:50 (20C)		576900	
9. Cooler Temperature	2.0C	MIX 3:1:50 (40C)		576901	
10. Does Information on custody records, traffic reports, and sample tags agree?	Yes/No*	MIX 3:1:6.25(-10C)		576902	
		MIX 3:1:6.25(20C)		576903	
11. Date Received at Lab	06/26/2015	MIX 3:1:6.25(40C)		576904	
12. Time Received	08:40:00				

Sample Transfer					
Fraction: OPS	Fraction				
Area #: Room 45	Area #				
By: STEVEN DOUGLAS	By				
On: 06/26/2015	On				

* Contact SMO and attach record of resolution

Reviewed By: [signature]		Logbook No.	Sample Receipt (55640)
Date: 6.26.15		Logbook Page No.	9132 BBC 3, 4 of 5

FORM DC-1 OLMO4.2

010009

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Los Alamos National Laboratory
SwRI TASK ORDER: 150626-11
SwRI SRR: 55640
SDG: 576893
VTSR: 06.26.2015

Case Narrative

Client: Los Alamos National Laboratory
SDG: 576893
SwRI Project Number: 19869.01.006
SwRI Task Order Number(s): 150626-11

010010

THERMAL PROPERTIES OF SWHEAT AND NITRATE SALT MIXTURES

Three nitrate chemicals and a bag of Swheat were received on 06/26/2015 and logged into SwRI's Laboratory Information Management System (LIMS). The purpose of this project was to measure the thermal properties Swheat, nitrate salt, and water mixtures. The nitrate salt mixture consisted of magnesium nitrate, calcium nitrate and sodium nitrate. Two ratios were used: 3:1 Swheat to salt and 1:1 Swheat to salt. The 1:1 mixture was tested dry, while the 3:1 mixture was tested at three different water contents: dry, 6.25% by mass water, and 50% by mass water. Table 1 & 2 contains the LIMS and sample information, and Table 3 contains the test matrix.

Table 1. SwRI LIMS information for Chemicals Received

SwRI System ID	Solution Name
576888	Ca(NO3)2
576889	Mg(NO3)2
576890	Na(NO3)2
576891	Swheat

Table 2. SwRI LIMS information for Prepared Test Mixtures

SwRI System ID	Solution Name	Swheat to Salt Ratio	Water Content
576893	MIX 1:1:0(-10C)	1:1	0%
576894	MIX 1:1:0(20C)	1:1	0%
576895	MIX 1:1:0(40C)	1:1	0%
576896	MIX 3:1:0(-10C)	3:1	0%
576897	MIX 3:1:0(20C)	3:1	0%
576898	MIX 3:1:0(40C)	3:1	0%
576899	MIX 3:1:50(-10C)	3:1	50%
576900	MIX 3:1:50(20C)	3:1	50%
576901	MIX 3:1:50(40C)	3:1	50%
576902	MIX 3:1:6.25(-10C)	3:1	6.25%
576903	MIX 3:1:6.25(20C)	3:1	6.25%
576904	MIX 3:1:6.25(40C)	3:1	6.25%

Table 3. Test Plan Matrix

Test Mixture	density	Thermal conductivity	Heat Capacity	Test Temperatures , °C		
1:1 Swheat to salt (MIX 1:1:0)	x	x		-10	20	40
3:1 Swheat to salt (MIX 3:1:0)	x	x	x	-10	20	40
3:1 Swheat to salt with 6.25% water (MIX 3:1:6.25)	x	x	x	-10	20	40
3:1 Swheat to salt with 50%wt water (MIX 3:1:50)	x	x	x	-10	20	40

Client: Los Alamos National Laboratory
SDG: 576893
SwRI Project Number: 19869.01.006
SwRI Task Order Number(s): 150626-11

010011

Mixture Preparation

The nitrate salt mixture was prepared by mixing 63.4% magnesium nitrate, 22.5% calcium nitrate and 14.1% sodium nitrate. The 1:1 and 3:1 Swheat to nitrate salt mixtures were combined by volume. Using the 3:1 Swheat to nitrate salt mixture, two additional samples were prepared having a moisture content of 6.25% and 50% by weight by adding the water and mixing well to insure an even distribution.

Density

Density was determined using ASTM D5057 *Standard Test Method for Screening Apparent Specific Gravity and Bulk Density of Waste* at the three test temperature. The known weight of sample was placed in a 500 mL test container and brought to the desired temperature. The volume of sample at the test temperature was determined and the density calculated.

Thermal Conductivity

The thermal conductivity of the test mixtures was measured using the transient heat method as described in ASTM D5334 *Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure*. The Hukseflux TP02 Non-Steady-State Probe (NSSP) for thermal conductivity measurement was used for the analysis. The NSSP consists of a line source, which applies heat, and temperature sensor, which can measure the temperature of the source. By measuring the heater power, and measuring the temperature as a function of time, the thermal conductivity can be calculated. The tests were conducted at temperatures as near to the test temperatures as possible. The actual temperature is reported in the final data.

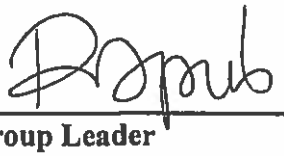
Heat Capacity

The test mixtures were analyzed according to ASTM D 2766 *Standard Test Method for Specific Heat of Liquids and Solids*. The specific heat was determined by measuring the temperature change of water at an initial temperature in an adiabatic calorimeter when a container filled with the test specimen is transferred from a constant temperature zone into the calorimeter. Tests were conducted at several select constant temperatures spread over the temperature range of interest. From the temperature change of the water, the amount of heat gained or lost was calculated. After correcting for the heat transfer due to the empty container, the heat capacity of the sample was determined. The calculated heat capacity versus temperature was plotted and the best fit line applied. Using the equation of the line, the heat capacity at the requested test temperature was calculated.

Client: Los Alamos National Laboratory
SDG: 576893
SwRI Project Number: 19869.01.006
SwRI Task Order Number(s): 150626-11

010012

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature. This report shall not be reproduced except in full without the written approval of SwRI."



Group Leader

9/22/15
Date

010013

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Los Alamos National Laboratory
SwRI TASK ORDER: 150626-11
SwRI SRR: 55640
SDG: 576893
VTSR: 06.26.2015

WETCHEM ANALYSES

010014

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Los Alamos National Laboratory
SwRI TASK ORDER: 150626-11
SwRI SRR: 55640
SDG: 576893
VTSR: 06.26.2015

WETCHEM ANALYSES
Sample Results

010015

SOUTHWEST RESEARCH INSTITUTE
DENSITY DATA SHEET

Lab Name: Southwest Research Institute

Client: Los Alamos National Laboratory

Lab Code: SwRI

Project No.: 19869.01.00X

Matrix: Solid

Date Received: 06/26/2015

Task Order #: 150626-11

SRR #: 55640

		Sample Analysis			Duplicate Analysis		
SwRI ID	Customer Sample	Date	Test Temp °C	Density g/cm^3	Date	Test Temp °C	Density g/cm^3
576893	MIX 1:1	08/31/15	-9.9	0.811 ± 0.016	N/A	N/A	N/A
576894		08/04/15	24.7	0.860 ± 0.017	N/A	N/A	N/A
576895		08/10/15	40.0	0.860 ± 0.017	N/A	N/A	N/A
576896	MIX 3:1:0	08/31/15	-9.8	0.759 ± 0.015	09/04/15	-9.8	0.745 ± 0.015
576897		08/04/15	24.4	0.762 ± 0.015	09/01/15	23.2	0.747 ± 0.015
576898		08/10/15	40.0	0.761 ± 0.015	09/02/15	40.0	0.747 ± 0.015
576902	MIX 3:1:6.25	08/31/15	-9.6	0.870 ± 0.017	N/A	N/A	N/A
576903		08/10/15	21.7	0.875 ± 0.017	N/A	N/A	N/A
576904		08/11/15	40.0	0.874 ± 0.017	N/A	N/A	N/A
576899	MIX 3:1:50	08/31/15	-9.2	1.16 ± 0.023	N/A	N/A	N/A
576900		08/10/15	23.1	1.16 ± 0.023	N/A	N/A	N/A
576901		08/11/15	40.0	1.16 ± 0.023	N/A	N/A	N/A

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010016

SOUTHWEST RESEARCH INSTITUTE
THERMAL CONDUCTIVITY DATA SHEET

Lab Name: Southwest Research Institute

Client: Los Alamos National Laboratory

Lab Code: SwRI

Project No.: 19869.01.00X

Matrix: Solid

Date Received: 06/26/2015

Task Order #: 150626-11

SRR #: 55640

		Sample Analysis			Duplicate Analysis		
SwRI ID	Customer Sample	Date	Test Temp °C	Thermal Conductivity (w/K-m)	Date	Test Temp °C	Thermal Conductivity (w/K-m)
576893	MIX 1:1	08/28/15	-10.0	0.131 ± 0.003	08/28/15	-10.0	0.133 ± 0.003
576894		08/06/15	23.6	0.119 ± 0.002	08/06/15	23.2	0.123 ± 0.002
576895		08/07/15	39.9	0.193 ± 0.005	08/07/15	40.0	0.204 ± 0.005
576896	MIX 3:1:0	08/28/15	-9.9	0.115 ± 0.003	08/28/15	-9.9	0.116 ± 0.003
576897		08/06/15	23.5	0.104 ± 0.003	08/06/15	23.0	0.108 ± 0.003
576898		08/07/15	40.5	0.129 ± 0.003	08/07/15	40.6	0.133 ± 0.003
576902	MIX 3:1:6.25	08/28/15	-9.8	0.145 ± 0.004	08/28/15	-9.6	0.152 ± 0.004
576903		08/10/15	23.8	0.170 ± 0.004	08/10/15	23.6	0.178 ± 0.004
576904		08/10/15	40.7	0.494 ± 0.012	08/10/15	40.9	0.518 ± 0.013
576899	MIX 3:1:50	08/28/15	-9.8	0.937 ± 0.023	08/28/15	-9.8	0.912 ± 0.023
576900		08/10/15	23.5	0.510 ± 0.013	08/10/15	23.6	0.515 ± 0.013
576901		08/10/15	40.5	0.178 ± 0.004	08/10/15	40.4	0.184 ± 0.005

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010017

SOUTHWEST RESEARCH INSTITUTE
HEAT CAPACITY DATA SHEET

Lab Name: Southwest Research Institute

Client: Los Alamos National Laboratory

Lab Code: SwRI

Project No.: 19869.01.00X

Matrix: Solid

Date Received: 06/26/2015

Task Order #: 150626-11

SRR #: 55640

SwRI ID	Customer Sample	Test Temp °C	Heat Capacity (Cal/g°C)
576896	MIX 3:1:0	-10.0	0.316 ± 0.006
576897		20.0	0.386 ± 0.008
576898		40.0	0.416 ± 0.008
576902	MIX 3:1:6.25	-10.0	0.337 ± 0.007
576903		20.0	0.431 ± 0.009
576904		40.0	0.468 ± 0.009
576899	MIX 3:1:50	-10.0	0.615 ± 0.012
576900		20.0	0.633 ± 0.013
576901		40.0	0.645 ± 0.013

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010018

SOUTHWEST RESEARCH INSTITUTE
DENSITY
LABORATORY CONTROL DATA

Lab Name: Southwest Research Institute

Client: Los Alamos National Laboratory

Lab Code: SwRI

Project No.: 19869.01.00X

Matrix: Solid

Date Received: NA

Task Order #: 150626-11

SRR #: NA

SwRI ID	Date	Temp.°C	Density gm/cm^3	TV gm/cm^3	% Rec
LCS (Room)	08/04/15	22.2	1.00 + 0.020	0.998	100.2%
LCS (40C)	08/07/15	39.9	0.990 + 0.020	0.992	99.8%

NA - Not Applicable

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010019

SOUTHWEST RESEARCH INSTITUTE
THERMAL CONDUCTIVITY
LABORATORY CONTROL DATA

Lab Name: Southwest Research Institute

Client: Los Alamos National Laboratory

Lab Code: SwRI

Project No.: 19869.01.00X

Matrix: Solid

Date Received: NA

Task Order #: 150626-11

SRR #: NA

SwRI ID	Date	Temp, °C	Thermal Conductivity (w/K-m)	TV	% Rec
Water Gel-1 22.9C	08/06/15	22.7	0.612 ± 0.012	0.604	101.3%
Water Gel-2 22.9C	08/06/15	23.0	0.601 ± 0.012	0.604	99.5%
Water Gel-3 23.1C	08/06/15	23.6	0.614 ± 0.015	0.603	101.8%
Water Gel-4 23.0C	08/06/15	23.0	0.591 ± 0.015	0.604	97.8%
Water Gel-5 40.0C	08/07/15	41.3	0.603 ± 0.015	0.630	95.7%
Water Gel-6 40.0C	08/07/15	39.9	0.639 ± 0.016	0.630	101.4%
Water Gel-7 40.0C	08/07/15	39.9	0.650 ±0.016	0.630	103.2%
Water Gel-8 40.0C	08/07/15	40.1	0.650 ± 0.016	0.630	103.2%
Water Gek-9 22.9C	08/10/15	23.5	0.605 ± 0.015	0.604	100.2%
Water Gel-11 40.0C	08/10/15	39.8	0.667 ± 0.017	0.630	105.9%
Water Gel-12 40.0C	08/10/15	40.6	0.654 ± 0.016	0.630	103.8%
Water Gel-13 40.0C	08/10/15	40.9	0.603 ± 0.015	0.630	95.7%
Water Gel-14 40.0C	08/10/15	40.7	0.666 ± 0.017	0.630	105.7%
Glycerol-1 22.7C	08/06/15	23.4	0.297 ± 0.006	0.292	101.7%
Glycerol-2 22.7C	08/06/15	23.0	0.297 ± 0.006	0.292	101.7%
Glycerol-10 22.9C	08/06/15	23.3	0.295 ± 0.007	0.292	101.0%
Glycerol-11 40.0C	08/07/15	39.3	0.289 ± 0.007	0.294	98.3%
Glycerol-12 40.0C	08/07/15	41.1	0.297 ± 0.007	0.294	101.0%
Glycerol-13 40.0C	08/07/15	40.7	0.293 ± 0.007	0.294	99.7%
Glycerol-14 40.0C	08/07/15	40.3	0.294 ± 0.007	0.294	100.0%
Glycerol-15 22.7C	08/10/15	23.2	0.301 ± 0.008	0.292	103.1%
Glycerol-16 22.7C	08/10/15	23.4	0.295 ± 0.007	0.292	101.0%
Glycerol-17 22.8C	08/10/15	23.8	0.299 ± 0.007	0.292	102.4%
Glycerol-18 22.8C	08/10/15	23.7	0.302 ± 0.008	0.292	103.4%
Glycerol-19 40.0C	08/10/15	40.8	0.296 ± 0.007	0.294	100.7%
Glycerol-20 40.0C	08/10/15	40.5	0.302 ± 0.008	0.294	102.7%
Glycerol-21 40.0C	08/10/15	39.7	0.297 ± 0.007	0.294	101.0%
Glycerol-22 40.0C	08/10/15	40.4	0.305 ± 0.008	0.294	103.7%

NA - Not Applicable

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010020

SOUTHWEST RESEARCH INSTITUTE
HEAT CAPACITY
LABORATORY CONTROL DATA

Lab Name: Southwest Research Institute

Client: Los Alamos National Laboratory

Lab Code: SwRI

Project No.: 19869.01.00X

Matrix: Solid

Date Received: NA

Task Order #: 150626-11

SRR #: NA

SwRI ID	Date	Temp.°C	oC)	TV	%Rec
Water 48.8C	09/03/15	48.8	0.959 ± 0.019	0.9992	96.0%
Water 48.8C	09/03/15	48.8	0.981 ± 0.020	0.9992	98.1%
Water 47.9C	09/03/15	47.9	0.978 ± 0.020	0.9991	97.9%
Water 48.7C	09/03/15	48.7	0.981 ± 0.020	0.9992	98.2%
Water 62.7C	09/03/15	62.7	1.005 ± 0.020	1.0004	100.5%
Water 62.8C	09/03/15	62.8	0.948 ± 0.019	1.0004	94.8%
Water 63.1C	09/03/15	63.1	1.012 ± 0.020	1.0004	101.1%
Water 62.8C	09/03/15	62.8	0.954 ± 0.019	1.0004	95.4%
Water 37.0C	09/04/15	37.0	1.056 ± 0.021	0.9987	105.7%
Water 36.9C	09/04/15	36.9	1.000 ± 0.020	0.9987	100.2%
Water 36.9C	09/04/15	36.9	0.995 ± 0.019	0.9987	95.6%
Water 36.5C	09/04/15	36.5	0.988 ± 0.020	0.9987	98.9%
Water 30.3C	09/04/15	30.3	0.970 ± 0.019	0.9987	97.2%
Water 30.6C	09/04/15	30.6	0.992 ± 0.020	0.9987	99.3%
NaCl-1 52.0C	09/05/15	52.0	0.205 ± 0.004	0.2085	98.5%
NaCl-1 66.1C	09/06/15	66.1	0.206 ± 0.004	0.2094	98.2%
NaCl 63.2C	09/06/15	63.2	0.212 ± 0.004	0.2092	101.3%
NaCl-1 76.8C	09/07/15	76.8	0.211 ± 0.004	0.2101	100.3%
NaCl-1 71.8C	09/07/15	71.8	0.208 ± 0.004	0.2098	99.3%
NaCl-1 92.1C	09/08/15	92.1	0.212 ± 0.004	0.2111	100.3%
NaCl-1 89.4C	09/08/15	87.6	0.208 ± 0.004	0.2109	98.6%
NaCl-1 3.9C	09/08/15	3.9	0.196 ± 0.004	0.2054	95.5%
NaCl-1 -9.0C	09/09/15	-9.0	0.200 ± 0.004	0.2046	97.8%
NaCl -10.0C	09/09/15	-10	0.201 ± 0.004	0.2046	98.1%

NA - Not Applicable

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010021

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Los Alamos National Laboratory
SwRI TASK ORDER: 150626-11
SwRI SRR: 55640
SDG: 576893
VTSR: 06.26.2015

WETCHEM ANALYSES
Raw Data

Page1

010022

Southwest Research Institute

Specific Gravity / Bulk Density (Rev 0)

Controlled Electronic Benchsheet

9/18/15

Client: LANL
Project #: 19869.01.006
TO# 150626-11
Method: ASTM 5057

Date: 08/04/15
Analyst: James Moken jgm
Matrix: Solid / Liquid Sludge
Sig Figs: 3

LCS Source: Deionized Water TV = 0.998 g/mL

NOTES: Balance #89 was used.

Sample ID	W Container Empty (g)	R Container & DI H2O (g)	S Container & Sample (g)	BD or SG g/ml	%Rec %RPD
576894	311.672	808.296	738.817	0.860	
576897	293.464	788.027	670.285	0.762	
576903	293.464	788.027	725.971	0.875	
576900	311.672	808.296	889.586	1.16	
576904	293.464	788.027	725.807	0.874	
576901	311.672	808.296	888.155	1.16	
576895	311.672	808.296	738.768	0.860	
576898	293.464	788.027	670.020	0.761	
576902	293.464	788.027	723.729	0.870	
576899	311.672	808.296	887.354	1.16	
576893	311.672	808.296	714.210	0.811	
576896	293.464	788.027	668.988	0.759	
LCS Room	311.672	808.296	808.296	1.00	100%
LCS 40C	311.672	808.296	803.552	0.990	99.8%
576897D	293.464	788.027	663.114	0.747	1.97%
576898D	293.464	788.027	662.659	0.747	1.91%
576896D	293.464	788.027	661.679	0.745	1.90%

Sample calculation 576894

$$\frac{738.817 - 311.672}{808.296 - 311.672} = 0.860$$

ASG = (S-W)/(R-W)

Book I.D. 14-0406-021 Book/ Page : 12 00147

Southwest Research Institute®
Logbook: Physical Testing

010023

Analysis / Method: Bulk density Project# 1986.01.006

Client: LANL TO# 150626-11

LCS Info: DI H2O TV= 0.998 @ room temp Balance#: 89

Notes: 0.992 @ 40°C

Sample ID	container + wet (g)	container + dry (g)	container wgt (g)	Sample Subst. I.D	
1:1 room ①	808.296	738.817	311.672	576894	
3:1 room ②	788.027	670.285	293.464	576897	
3:1:6.25 room ②	788.027	725.971	293.464	576903	
3:1:50 room ①	808.296	889.586	311.672	576900	
3:1:6.25 40°C ②	~~788.027~~ 789.027	725.807	293.464	576904	
3:1:50 40°C ①	~~808.296~~ 809.296	888.155	311.672	576901	
1:1 40°C ①	~~808.296~~ 808.296	738.768	311.672	576895	
3:1 40°C ②	~~788.027~~ 788.027	670.02	293.464	576898	
3:1:6.25 -10 ②	788.027	723.729	293.464	576902	
3:1:50 -10 ①	808.296	887.354	311.672	576899	
1:1 -10 C ①	808.296	704.210 (1 to sun dries)	311.672	576893	
3:1 -10C ②	788.027	668.988 (8 to sun dries)	293.464	576896	Temp
LCS room	808.296	808.296	311.672	LCS	
LCS 40°C	808.296	803.552	311.672	LCS 40°C	39.9
576897D	788.027	663.114	293.464	576897D	-9.8
576898D	788.027	662.659	293.464	576898D	23.2
576896D	788.027	661.679	293.464	576896D	40.0

Calculation:

Analyst Signature: [signature] Date: 8/4/15

Reviewed by: [signature] Date: 9/18/15

Thermal Conductivity

Analyst: Bernie Villasenor, James Moken
Reviewer: Radonna Spies

Southwest Research Institute

9/22/15
010024

Sample ID	SwRI ID	Thermal Conductivity (w/K-m)	Temperature	Date/Time Run	TV	%Rec
Water Gel-1 22.9C	LCS-Water 22.9C	0.612 ± 0.012	22.7	8/6/2015	0.604	101.3%
Water Gel-2 22.9C	LCS-Water 22.9C	0.601 ± 0.012	23.0	8/6/2015	0.604	99.5%
Glycerol 22.7C	LCS-Glycerol 22.7C	0.297 ± 0.006	23.4	8/6/2015	0.292	101.6%
Glycerol-2 22.7C	LCS-Glycerol 22.7C	0.297 ± 0.006	23.0	8/6/2015	0.292	101.9%
576894-1 24.7C	576594-1 1:1	0.119 ± 0.002	23.6	8/6/2015		
576894-2 24.7C	576894-2 1:1	0.123 ± 0.002	23.2	8/6/2015		
576897-1 24.4C	576897-1 3:1	0.1039 ± 0.003	23.5	8/6/2015		
576897-2 24.4C	576897-2 3:1	0.1083 ± 0.003	23.0	8/6/2015		
Water Gel-3 23.1C	LCS-Water 23.1 C	0.614 ± 0.015	23.6	8/6/2015	0.603	101.9%
Water Gel-4 23.0 C	LCS-Water 23.0 C	0.591 ± 0.015	23.0	8/6/2015	0.604	97.8%
Glycerol-10 22.9C	LCS-Glycerol 22.9 C	0.295 ± 0.007	23.3	8/7/2015	0.292	100.9%
Water Gel-5 40.0 C	LCS-Water 40.0C	0.603 ± 0.015	41.3	8/7/2015	0.630	95.7%
Water Gel-6 40.0 C	LCS-Water 40C	0.639 ± 0.016	39.9	8/7/2015	0.630	101.4%
Glycerol-11 40.0 C	LCS-Glycerol 40.0 C	0.289 ± 0.007	39.3	8/7/2015	0.294	98.2%
Glycerol-12 40.0 C	LCS-Glycerol 40.0 C	0.297 ± 0.007	41.1	8/7/2015	0.294	100.9%
576895-1 40.0 C	576895-1 1:1 40 C	0.193 ± 0.005	39.9	8/7/2015		
576895-2 40.0 C	576895-2 1:1 40 C	0.204 ± 0.005	40.0	8/7/2015		
576898-1 40.0 C	576898-1 3:1 40 C	0.129 ± 0.003	40.5	8/7/2015		
576898-2 40.0 C	576898-2 3:1 40 C	0.133 ± 0.003	40.6	8/7/2015		
Water Gel-7 40.0 C	LCS-Water 40.0C	0.650 ± 0.016	39.9	8/7/2015	0.630	103.1%
Water Gel-8 40.0 C	LCS-Water 40.0C	0.650 ± 0.016	40.1	8/7/2015	0.630	103.2%
Glycerol-13 40.0 C	LCS-Glycerol 40.0 C	0.293 ± 0.007	40.7	8/7/2015	0.294	99.6%
Glycerol-14 40.0 C	LCS-Glycerol 40.0 C	0.294 ± 0.007	40.3	8/7/2015	0.294	100.0%
Water Gel-9 22.9C	LCS-Water 22.9C	0.605 ± 0.015	23.5	8/10/2015	0.604	100.1%
Glycerol-15 22.7 C	LCS-Glycerol 22.7 C	0.301 ± 0.008	23.2	8/10/2015	0.292	103.2%
Glycerol-16 22.7 C	LCS-Glycerol 22.7 C	0.295 ± 0.007	23.4	8/10/2015	0.292	101.0%
576903-1 21.7C	576903-1 3:1:6.25 21.7C	0.170 ± 0.004	23.8	8/10/2015		
576903-2 21.7C	576903-1 3:1:6.25 21.7C	0.178 ± 0.004	23.6	8/10/2015		
576900-1 23.1C	576900-1 3:1:50 23.1C	0.510 ± 0.013	23.5	8/10/2015		
576900-2 23.3C	576900-2 3:1:50 23.1C	0.515 ± 0.013	23.6	8/10/2015		
Glycerol-17 22.8 C	LCS-Glycerol 22.8 C	0.299 ± 0.007	23.8	8/10/2015	0.292	102.3%
Glycerol-18 22.8 C	LCS-Glycerol 22.8 C	0.302 ± 0.008	23.7	8/10/2015	0.292	103.5%
Water Gel-11 40.0 C	LCS-Water 40.0C	0.667 ± 0.017	39.8	8/10/2015	0.630	105.8%
Water Gel-12 40.0 C	LCS-Water 40.0C	0.654 ± 0.016	40.6	8/10/2015	0.630	103.8%

Thermal Conductivity

010025

Analyst: Bernie Villasenor, James Moken — Southwest Research Institute

Glycerol-19 40.0 C	LCS-Glycerol 40.0 C	0.296 ± 0.007	40.8	8/10/2015	0.292	101.4%
Glycerol-20 40.0 C	LCS-Glycerol 40.0 C	0.302 ± 0.008	40.5	8/10/2015	0.292	103.5%
576904-1 40.0C	576904-1 3:1:6.25 40.0C	0.494 ± 0.012	40.7	8/10/2015		
576904-2 40.0C	576904-2 3:1:6.25 40.0C	0.518 ± 0.013	40.9	8/10/2015		
576904-3 40.0C	576904-3 3:1:6.25 40.0C	0.514 ± 0.013	40.5	8/10/2015		
576901-1 40.0C	576901-1 3:1:50 40.0C	0.178 ± 0.004	40.5	8/10/2015		
576901-2 40.0C	576901-2 3:1:50 40.0C	0.184 ± 0.005	40.4	8/10/2015		
Water Gel-13 40.0 C	LCS-Water 40.0C	0.603 ± 0.015	40.9	8/10/2015	0.630	95.6%
Water Gel-14 40.0	LCS-Water 40.0C	0.666 ± 0.017	40.7	8/10/2015	0.630	105.7%
Glycerol-21 40.0 C	LCS-Glycerol 40.0 C	0.297 ± 0.007	39.7	8/10/2015	0.292	101.8%
Glycerol-22 40.0 C	LCS-Glycerol 40.0 C	0.305 ± 0.008	40.4	8/10/2015	0.292	104.6%
576902-1 -9.6C	576902-1 3:1:6.25 -9.6C	0.034 ± 0.001	-9.7	8/28/2015		
576902-2 -9.6C	576902-2 3:1:6.25 -9.6C	0.145 ± 0.004	-9.8	8/28/2015		
576902-3 -9.6C	576902-3 3:1:6.25 -9.6C	0.152 ± 0.004	-9.6	8/28/2015		
576902-4 -9.6C	576902-4 3:1:6.25 -9.6C	0.152 ± 0.004	-9.7	8/28/2015		
576899-1 -9.2C	576899-1 3:1:50 -9.2C	0.937 ± 0.023	-9.8	8/28/2015		
576899-2 -9.2C	576899-2 3:1:50 -9.2C	0.912 ± 0.023	-9.8	8/28/2015		
576893-1 -9.9C	576893-1 1:1 -9.9C	0.131 ± 0.003	-10.0	8/28/2015		
576893-2 -9.9C (2)	576893-2 1:1 -9.9C	0.133 ± 0.003	-10.0	8/28/2015		
576896-1 -9.8C	576896-1 3:1 -9.8C	0.115 ± 0.003	-9.9	8/28/2015		
576896-2 -9.8C	576896-2 3:1 -9.8C	0.116 ± 0.003	-9.9	8/28/2015		

Thermal Conductivity

010026

Analyst: Bernie Villasenor, James Moken Southwest Research Institute

Power Supple	
Manufacture:	Tenma
Model:	72-2010
Verified With	
Manufacture:	Fluke RMS Multimeter
Serial #:	020918
Cal Due:	7/9/2016

Thermocouple	
Manufacure:	DIGI-SENSE
Model:	93631-11
Serial No:	20543
Cal Date:	8/8/2016
Certificate No:	36921

Glycerol	
Supplier:	Sigma-Aldrich
Lot No:	100M0308V
Quality Release Date:	1/9/2016
SwRI Chem ID:	37440

010027

Heat Capacity

Analyst: James Moken
Reviewer: Radonna Spies

Southwest Research Institute

Sheet #	Sample ID	SwRI ID	Heat Capacity (Cal/g °C	Block Temperature	Date/Time Run	TV	%Rec	Notes
4	empty test 1 #2 49.4	Empty 49.4	0.201 ± 0.004	49.4	9/2/15 5:41 PM	0.2186	91.9%	
5	empty test 2 #3 49.2	Empty 49.2	0.210 ± 0.004	49.2	9/2/15 5:57 PM	0.2186	96.2%	
6	Empty Test 3 #1 49.4	Empty 49.4	0.212 ± 0.004	49.4	9/2/15 6:06 PM	0.2186	97.0%	
7	Empty Test 4 #4 49.2	empty 49.2	0.222 ± 0.004	49.2	9/2/15 6:15 PM	0.2186	101.4%	
8	Water Test 7 #4 48.8	Water 48.8C	0.959 ± 0.019	48.8	9/3/15 12:55 PM	0.9992	96.0%	
9	Water test 8 #1 48.8	Water 48.8C	0.981 ± 0.020	48.8	9/3/15 1:19 PM	0.9992	98.1%	
10	Water test 9 #3 47.9	Water 47.9C	0.978 ± 0.020	47.9	9/3/15 1:38 PM	0.9991	97.9%	
11	Water test 10 #2 48.7	Water 48.7C	0.981 ± 0.020	48.7	9/3/15 2:06 PM	0.9992	98.2%	
12	Water test 11 #1 62.7	Water 62.7C	1.005 ± 0.020	62.7	9/3/15 4:08 PM	1.0004	100.5%	
13	Water test 12 #4 62.8	Water 62.8C	0.948 ± 0.019	62.8	9/3/15 4:37 PM	1.0004	94.8%	
14	Water test 13 #2 63.1	Water 63.1C	1.012 ± 0.020	63.1	9/3/15 5:00 PM	1.0004	101.1%	
15	Water test 14 #3 62.8	Water 62.8C	0.954 ± 0.019	62.8	9/3/15 5:20 PM	1.0004	95.4%	
16	Water test 15 #2 37.0	Water 37.0C	1.056 ± 0.021	37.0	9/4/15 7:33 AM	0.9987	105.7%	
17	Water test 16 #4 36.9	Water 36.9C	1.000 ± 0.020	36.9	9/4/15 7:53 AM	0.9987	100.2%	
18	Water test 17 #3 36.9	Water 36.9C	0.955 ± 0.019	36.9	9/4/15 8:31 AM	0.9987	95.6%	
19	Water test 18 #1 36.5	Water 36.5C	0.988 ± 0.020	36.5	9/4/15 8:53 AM	0.9987	98.9%	
20	Water test 19 #3 30.3	Water 30.3C	0.970 ± 0.019	30.3	9/4/15 3:47 PM	0.9987	97.2%	
21	576900-1 30.2C	576900-1 30.2C	0.654 ± 0.013	30.2	9/4/15 4:08 PM			
22	Water test 20 #4 30.6	Water 30.6C	0.992 ± 0.020	30.6	9/4/15 4:08 PM	0.9987	99.3%	
23	576897-1 30.6C	576897-1 30.6C	0.407 ± 0.008	30.6	9/4/15 4:27 PM			
24	576897-2 30.3C	576897-2 30.3C	0.428 ± 0.009	30.3	9/4/15 4:45 PM			
25	576903-1 30.2C	576903-1 30.2C	0.469 ± 0.009	30.2	9/4/15 5:16 PM			MAY VOID Not Very stable
26	Empty 41.8C	Empty 41.8C	0.229 ± 0.005	41.8	9/5/15 7:55 AM	0.2174	105.3%	
27	Empty 41.8C (2)	Empty 41.8C	0.230 ± 0.005	41.8	9/5/15 8:11 AM	0.2174	105.7%	
28	576897-1 41.5	576897-1 41.5C	0.418 ± 0.008	41.5	9/5/15 8:29 AM			
29	576897-2 40.8	576897-2 40.8C	0.425 ± 0.009	40.8	9/5/15 8:46 AM			
30	576903-1 40.7	576903-1 40.7C	0.456 ± 0.009	40.7	9/5/15 9:05 AM			
31	576903-2 40.1	576903-2 40.1C	0.464 ± 0.009	40.1	9/5/15 9:23 AM			
32	576900-1 40.0	576900-1 40.0C	0.639 ± 0.013	40.0	9/5/15 9:47 AM			
33	576900-2 39.8	576900-2 39.8C	0.631 ± 0.013	39.8	9/5/15 10:04 AM			
34	576897-3 39.7	576897-3 39.7C	0.400 ± 0.008	39.5	9/5/15 10:23 AM			
35	Empty 53.4	Empty 53.4C	0.241 ± 0.005	53.4	9/5/15 6:06 PM	0.2192	109.9%	
36	576897-1 53.3	576897-1 53.3C	0.420 ± 0.008	53.3	9/5/15 6:27 PM			
37	576897-2 53.0	576897-2 53.0C	0.405 ± 0.008	53.0	9/5/15 6:47 PM			
38	576903-1 52.3	576903-1 52.3C	0.503 ± 0.010	52.3	9/5/15 7:07 PM			
39	576903-2 52.6	576903-2 52.6C	0.477 ± 0.010	52.6	9/5/15 7:26 PM			
40	NaCl-1 52.0	NaCl-1 52.0C	0.205 ± 0.004	52.0	9/5/15 7:42 PM	0.2085	98.5%	
41	576900-1 51.6	576900-1 51.6C	0.654 ± 0.013	51.6	9/5/15 8:00 PM			
42	576900-2 51.6	576900-2 51.6C	0.665 ± 0.013	51.6	9/5/15 8:15 PM			
43	Empty 51.3	Empty 51.3C	0.293 ± 0.006	51.3	9/5/15 8:31 PM	0.2189	133.7%	

RSpies 9/22/15

Heat Capacity

010028

Analyst: James Moken
Reviewer: Radonna Spies

Southwest Research Institute

Sheet #	Sample ID	SwRI ID	Heat Capacity (Cal/g °C	Block Temperature	Date/Time Run	TV	%Rec	Notes
44	NaCl-1 66.1	NaCl-1 66.1C	0.206 ± 0.004	66.1	9/6/15 8:17 AM	0.2094	98.2%	
45	Empty 63.3	Empty 63.3C	0.212 ± 0.004	63.3	9/6/15 1:33 PM	0.2206	96.3%	
46	NaCl-1 63.2	NaCl 63.2C	0.212 ± 0.004	63.2	9/6/15 1:51 PM	0.2092	101.3%	
47	576897-1 62.8	576897-1 62.8C	0.441 ± 0.009	62.8	9/6/15 2:11 PM			
48	576897-2 63.8	576897-2 63.8C	0.435 ± 0.009	63.8	9/6/15 2:29 PM			
49	576903-1 64.2	576903-1 64.2C	0.479 ± 0.010	64.2	9/6/15 2:49 PM			
50	576903-2 64.7	576903-2 64.7C	0.484 ± 0.010	64.7	9/6/15 3:06 PM			
51	576900-1 63.4	576900-1 63.4C	0.658 ± 0.013	63.4	9/6/15 3:24 PM			
52	576900-2 63.0	576900-2 63.0C	0.649 ± 0.013	63.0	9/6/15 3:41 PM			
53	Empty 63.9	Empty 63.9C	0.217 ± 0.004	63.9	9/6/15 3:58 PM	0.2207	98.2%	
54	Empty 77.0	Empty 77.0C	0.226 ± 0.005	77.0	9/7/15 7:53 AM	0.2224	101.6%	
55	NaCl-1 76.8	NaCl-1 76.8C	0.211 ± 0.004	76.8	9/7/15 8:12 AM	0.2101	100.3%	
56	576897-1 77.1	576897-1 77.1C	0.430 ± 0.009	77.1	9/7/15 8:31 AM			
57	576897-2 77.3	576897-2 77.3C	0.428 ± 0.009	77.3	9/7/15 8:51 AM			
58	576903-1 76.9	576903-1 76.9C	0.482 ± 0.010	76.9	9/7/15 9:09 AM			
59	576903-2 75.3	576903-2 75.3C	0.477 ± 0.010	75.3	9/7/15 9:28 AM			
60	576900-1 77.0	576900-1 77.0C	0.674 ± 0.013	77.0	9/7/15 9:48 AM			
61	576900-2 75.9	576900-2 75.9C	0.666 ± 0.013	75.9	9/7/15 10:10 AM			
62	Empty 77.0 (2)	Empty 77.0C	0.210 ± 0.004	77.0	9/7/15 10:29 AM	0.2224	94.5%	
63	NaCL-1 71.8	NaCl-1 71.8C	0.208 ± 0.004	71.8	9/7/15 10:50 AM	0.2098	99.3%	
64	Empty 92.4	Empty 92.4C	0.221 ± 0.004	92.4	9/8/15 7:00 AM	0.2243	98.4%	
65	NaCl-1 92.1	NaCl-1 92.1C	0.212 ± 0.004	92.1	9/8/15 7:35 AM	0.2111	100.3%	
66	576897-1 91.4	576897-1 91.4C	0.438 ± 0.009	91.4	9/8/15 8:01 AM			
67	576897-2 90.4	576897-2 90.4C	0.434 ± 0.009	90.4	9/8/15 8:25 AM			
68	576903-1 91.4	576903-1 91.4C	0.474 ± 0.009	91.4	9/8/15 8:47 AM			
69	576903-2 92.4	576903-2 92.4C	0.466 ± 0.009	92.4	9/8/15 9:20 AM			
70	576900-1 91.2	576900-1 91.2C	0.670 ± 0.013	91.2	9/8/15 9:44 AM			
71	576900-2 90.2	576900-2 90.2C	0.669 ± 0.013	90.2	9/8/15 10:08 AM			
72	Empty 89.5	Empty 89.5C	0.222 ± 0.004	89.5	9/8/15 10:33 AM	0.2239	99.1%	
73	NaCl-1 89.4	NaCl-1 89.4C	0.208 ± 0.004	87.6	9/8/15 10:55 AM	0.2109	98.6%	
74	Empty 3.9	empty 3.9C	0.238 ± 0.005	3.9	9/8/15 4:16 PM	0.2104	113.0%	
75	NaCL-1 3.9	NaCl-1 3.9C	0.196 ± 0.004	3.9	9/8/15 4:40 PM	0.2054	95.5%	
76	576897-1 3.9	576897-1 3.9C	0.347 ± 0.007	3.9	9/8/15 5:07 PM			
77	576900-1 4.1	576900-1 4.1C	0.612 ± 0.012	4.1	9/8/15 5:32 PM			
78	576900-2 4.1 (2)	576900-2 4.1C	0.617 ± 0.012	4.1	9/8/15 5:54 PM			
79	576903-1 4.5	576903-1 4.5C	0.371 ± 0.007	4.5	9/8/15 6:16 PM			
80	576897-2 4.6 (2)	576897-2 4.6C	0.369 ± 0.007	4.6	9/8/15 6:39 PM			
81	NaCl-1 -9.0	NaCl-1 -9.0C	0.200 ± 0.004	-9.0	9/9/15 11:19 AM	0.2046	97.8%	
82	576897-1 -9.8	576897-1 -9.8C	0.316 ± 0.006	-9.8	9/9/15 11:56 AM			
83	576897-2 -9.7	576897-2 -9.7C	0.306 ± 0.006	-9.7	9/9/15 12:24 PM			

Heat Capacity

010029

Analyst: James Moken
Reviewer: Radonna Spies

Southwest Research Institute

Sheet #	Sample ID	SwRI ID	Heat Capacity (Cal/g °C	Block Temperature	Date/Time Run	TV	%Rec	Notes
84	576903-1 -9.7	576903-1 -9.7C	0.334 ± 0.007	-9.7	9/9/15 12:53 PM			
85	576903-2 -9.7 (2)	576903-2 -9.7C	0.350 ± 0.007	-9.7	9/9/15 1:39 PM			
86	576900-1 -9.7	576900-1 -9.7C	0.624 ± 0.012	-9.7	9/9/15 2:10 PM			
87	576900-2 -9.5	576900-2 -9.5C	0.619 ± 0.012	-9.5	9/9/15 2:50 PM			
88	Empty -9.9	empty -9.9C	0.216 ± 0.004	-9.9	9/9/15 3:45 PM	0.2075	104.1%	
89	NaCl-1 -10.0	NaCl -10.0C	0.201 ± 0.004	-10	9/9/15 4:04 PM	0.2046	98.1%	
90		#REF!	#REF! ± #REF!	#REF!	#REF!	#REF!	#REF!	

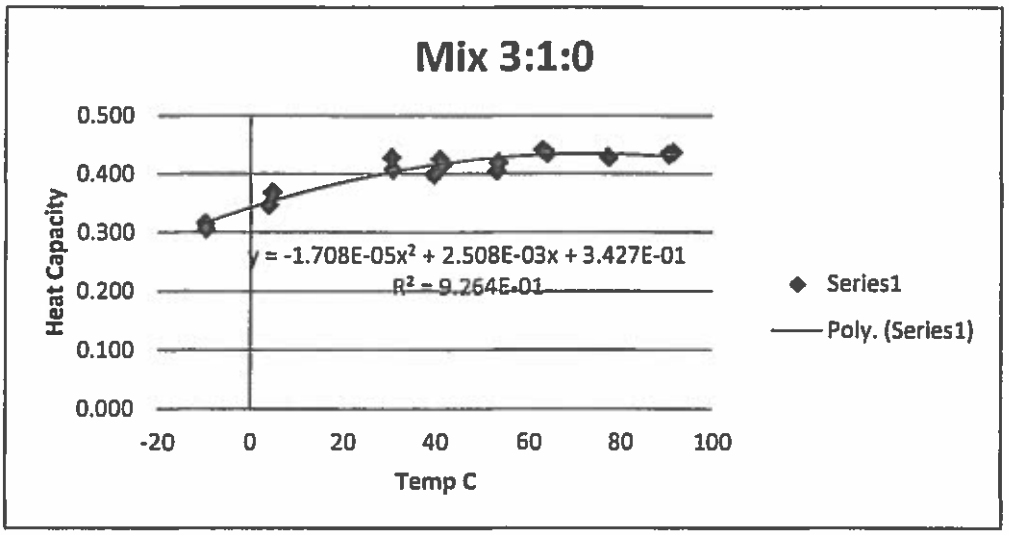
Balance #135

Thermocouple	
Manufacure:	DIGI-SENSE
Model:	93631-11
Serial No:	20543
Cal Date:	8/18/2016

Thermocouple Meter	
Manufacure:	Digi-Sense
Serial No:	W01003226
Cal Date:	2/20/2016

NaCl	
Manufacure:	Sigma Aldrich
Lot #:	119K0132
SwRI #:	34538
Exp:	1/1/2016

010030

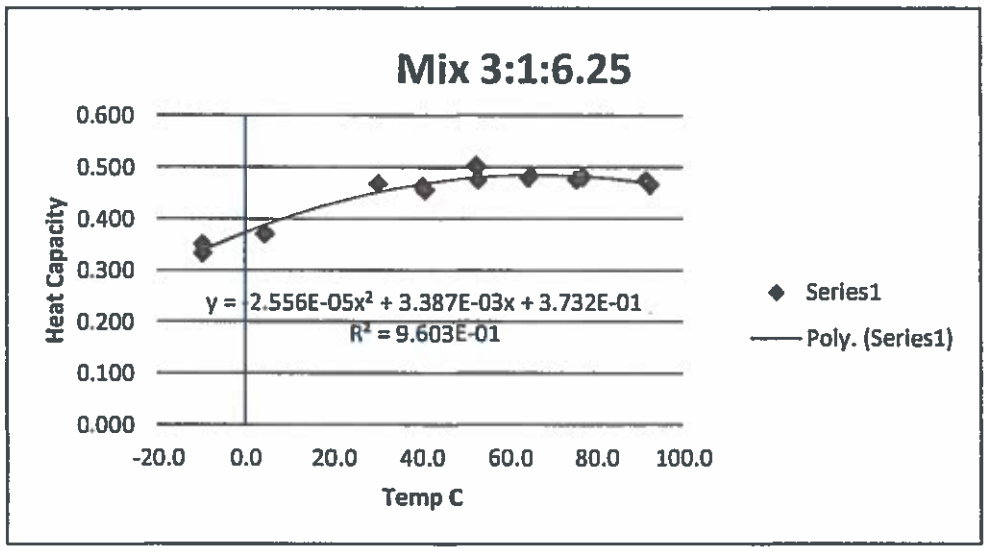


-1.708E-05 2.508E-03 3.427E-01

Temp	cP
-10	0.316 ± 0.006
20	0.386 ± 0.008
40	0.416 ± 0.008

✓ RSpus
9/22/15

010031

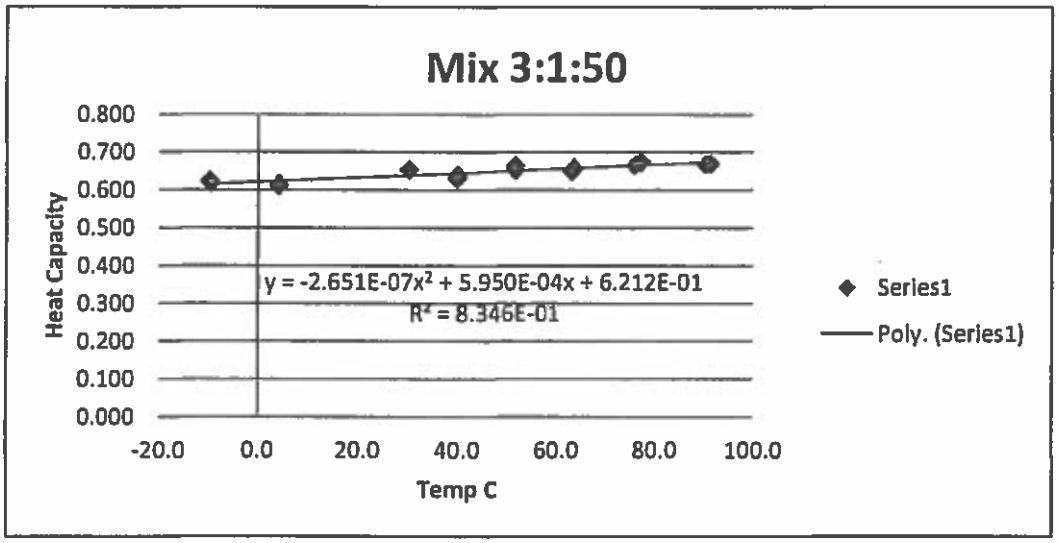


-2.556E-05 3.387E-03 3.732E-01

Temp	cP
-10	0.337 ± 0.007
20	0.431 ± 0.009
40	0.468 ± 0.009

RJ 9/22/15

010032

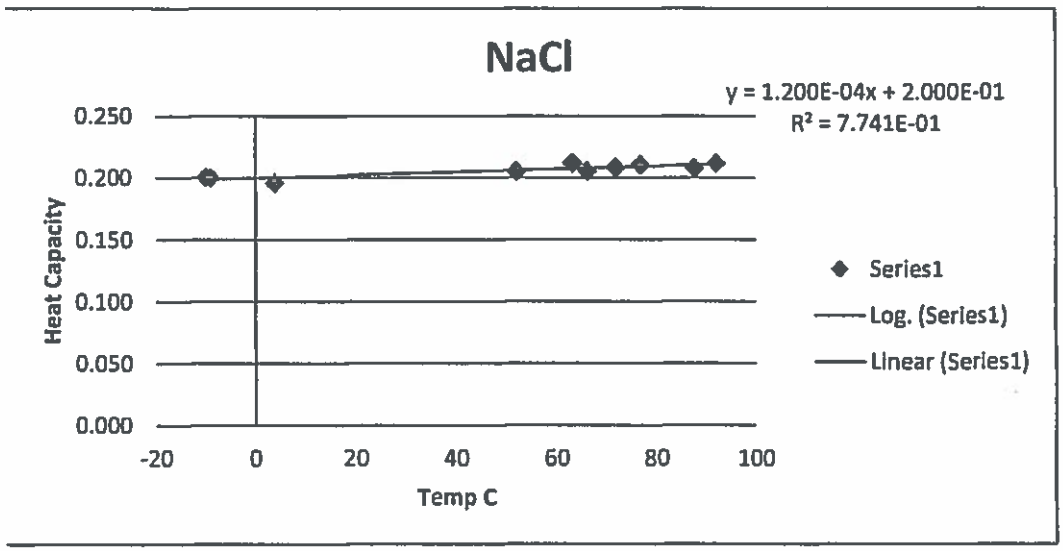


-2.651E-07 5.950E-04 6.212E-01

Temp	cP
-10	0.615 ± 0.012
20	0.633 ± 0.013
40	0.645 ± 0.013

RDavis 9/22/15

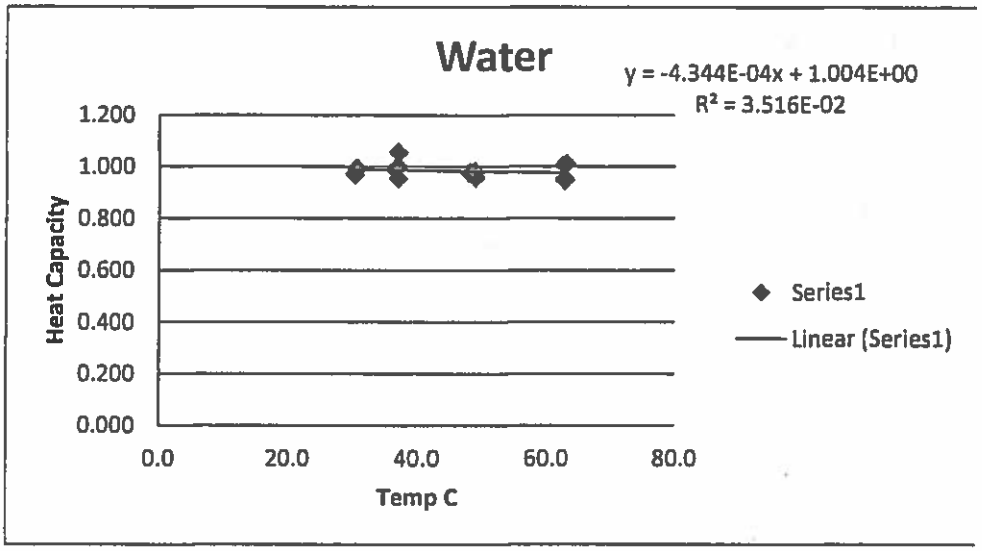
010033



0.000E+00	1.200E-04	2.000E-01	8.92234E-05	0.202331473

Temp	cP	TV	%R
-10	0.199 ± 0.004	0.201	98.7%
20	0.202 ± 0.004	0.204	99.2%
40	0.205 ± 0.004	0.206	99.5%

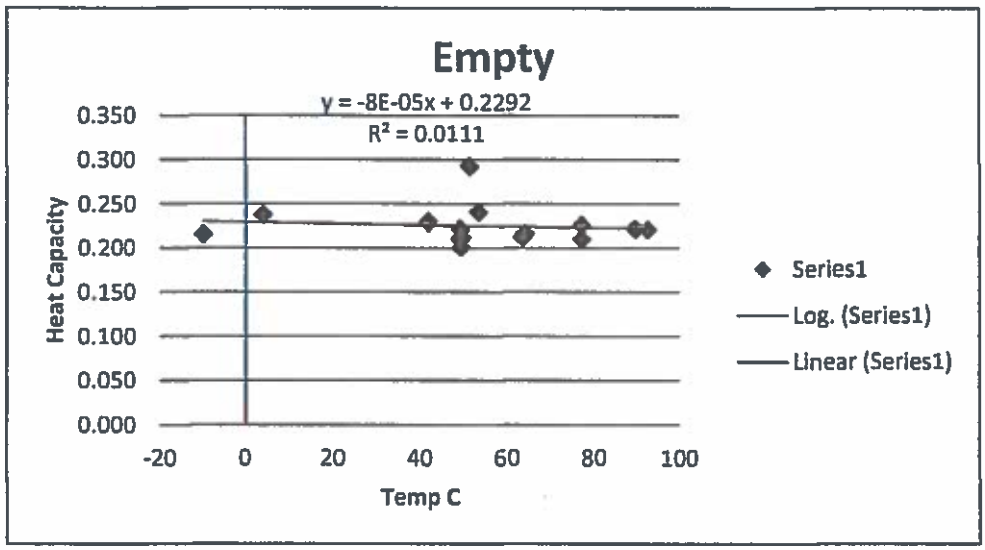
010034



0.00E+00 -4.34E-04 1.00E+00

Temp	cP	TV	
-10	1.008 ± 0.020	1.008	100.0%
20	0.995 ± 0.020	0.999	99.6%
40	0.987 ± 0.020	0.999	98.8%

010035


Empty
y = -8E-05x + 0.2292
R² = 0.0111
Heat Capacity
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
-20
0
20
40
60
80
100
Temp C
Series1
Log. (Series1)
Linear (Series1)

Los Alamos NATIONAL LABORATORY EST. 1943

To/MS: Mike Flores, AET-1, J576
From/MS: Bob Reid, AET-1, J576
Phone/Fax: 7-2626/Fax 7-0600
Symbol: AET-1-16-003
Date: January 21, 2016

memorandum

Advanced Engineering Technology Division

TA-54 Emissivity Measurements

Total hemispherical emissivity measurements in the range of $3<\lambda<35$ μm were made on surfaces of the Dome 375 Permacon exterior at TA-54 using a method established in ASTM Standard E 408-71 (reapproved 2008) [1]. These measurements were made with an AZ Technology TEMP 2000A portable infrared emissometer and reflectometer [2]. Total hemispherical reflectivity was found using the ASTM standard's "Test Method A" for successive measurements assuming that reflectance of the surfaces are grey (does not change with wavelength). The average of twelve measured reflectivity values for each sample was computed and subtracted from unity to give hemispherical emissivity over the range $3<\lambda<35$ μm:

$$\varepsilon_n = 1 - \frac{1}{N}\sum_{n=1}^{N}\rho_i$$

Although no NIST traceable standard exists for reflectivity measurement in the infrared, NASA has used the ASTM Standard E 408-1 method since the 1960s. AZ Technology is now attempting to establish a reflectivity standard through the National Physics Laboratory in the UK. Before test the portable infrared reflectometer is calibrated with two manufacturer-supplied standards of stable and characterized reflectance. The first standard is blackened with $\rho = 0.079 \pm 3\%$ and the second standard is gold plated with $\rho = 0.980 + 1\%$ and - 3% (all having 95% confidence intervals). Once calibrated, linearity is assumed over this range. The uncertainty interval associated with the upper bound of each reflectivity measurement is estimated by interpolation.

A summary of results for the various surfaces is shown in Table 1. Several surfaces were characterized during test with the following results for total hemispherical emissivity:

1. Reference gold calibration standard (measured emissivity ~ 0.020)
2. Reference black calibration standard (measured emissivity ~ 0.922)
3. Surface of stainless steel side panel of the Permacon (measured emissivity ~ 0.130)
4. Surface of blue painted frame on Permacon (measured emissivity ~ 0.898)
5. Surface of blue door on Permacon (measured emissivity ~ 0.891)
6. Surface of white rolling door of Permacon (measured emissivity ~ 0.85)

Most samples exhibited consistent measured infrared emissivity. The only exception to this consistency was on the irregular white rolling door surface. Convolutions on the door surface (the only suitable surface for measurement) were of similar size to the IR measurement head aperture. Consequently, emissivity measurements on the convolutions were somewhat sensitive to the position of the head on the surface. Two measurements were made: one yielding 0.835 total hemispherical emissivity, the other 0.866. Averaging these measurements gives a total hemispherical emissivity of 0.85. This average value for total hemispherical emissivity is in the typical range for white painted surfaces.

Table 1: Permacon reflectance and emissivity data

rho	Gold	Black	Metal 1	Metal 2	Blue
Location	0.981	0.079	-	-	Frame
Date	1/20/2016	1/20/2016	1/20/2016	1/20/2016	1/20/2016
1	0.976	0.073	0.870	0.860	0.107
2	0.979	0.071	0.874	0.857	0.108
3	0.983	0.073	0.877	0.860	0.105
4	0.986	0.078	0.875	0.861	0.099
5	0.986	0.078	0.873	0.866	0.096
6	0.984	0.082	0.870	0.869	0.099
7	0.979	0.084	0.871	0.866	0.104
8	0.976	0.081	0.874	0.864	0.109
9	0.977	0.076	0.883	0.862	0.103
10	0.979	0.074	0.881	0.866	0.095
11	0.979	0.078	0.876	0.872	0.099
12	0.978	0.084	0.875	0.878	0.104
average	0.980	0.078	0.875	0.865	0.102
std	3.64E-03	4.42E-03	4.01E-03	5.85E-03	4.66E-03
e_h	0.020	0.922	0.125	0.135	0.898

rho	Gold	Black	Blue
Location	0.981	0.079	Doorframe
Date	1/20/2016	1/20/2016	1/20/2016
1	0.976	0.073	0.107
2	0.972	0.071	0.115
3	0.975	0.071	0.114
4	0.975	0.071	0.114
5	0.982	0.073	0.106
6	0.983	0.071	0.101
7	0.980	0.071	0.104
8	0.977	0.071	0.111
9	0.978	0.075	0.111
10	0.978	0.075	0.106
11	0.982	0.076	0.110
12	0.985	0.074	0.113
average	0.979	0.073	0.109
std	3.87E-03	1.92E-03	4.48E-03
e_h	0.021	0.927	0.891

rho	Gold	Black	White	White
Location	0.981	0.079	Rolldoor	Rolldoor
Date	1/20/2016	1/20/2016	1/20/2016	1/20/2016
1	0.983	0.078	0.166	0.143
2	0.984	0.076	0.165	0.138
3	0.981	0.076	0.162	0.135
4	0.981	0.074	0.161	0.133
5	0.981	0.072	0.166	0.130
6	0.981	0.073	0.169	0.130
7	0.982	0.075	0.165	0.130
8	0.981	0.077	0.167	0.133
9	0.981	0.076	0.169	0.134
10	0.980	0.075	0.167	0.132
11	0.979	0.075	0.161	0.132
12	0.979	0.075	0.161	0.136
average	0.981	0.075	0.165	0.134
std	1.44E-03	1.64E-03	3.00E-03	3.81E-03
e_h	0.019	0.925	0.835	0.866

References

[1] ASTM Standard E 408-71 (Reapproved 2008) ASTM International, West Conshohocken, PA.
[2] AZ Technology (2007) "Total Emittance Measurement TEMP 2000A Operations Manual, AZ Technology, Huntsville, AL.

Distribution:
Don Quintana, AET-1
AET-1 Serial File

$L := 1336\ in$ Permacon overall length (C55439, Sheet 22 of 118)

$W := 588\ in$ Permacon overall width (C55439, Sheet 22 of 118)

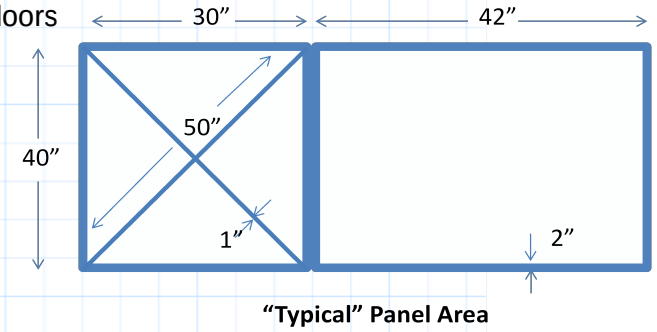
$H := 216\ in$ Permacon roof height (C55439, Sheet 24 of 118)

$A_{surf} := 2 \cdot L \cdot H + 2 \cdot W \cdot H + L \cdot W = (1.617 \cdot 10^{6})\ in^2$ Total exterior surface area of Permacon

$W_{rd} := 168\ in$ Roll-up door width (C55439, Sheet 55 of 118)

$H_{rd} := 192\ in$ Roll-up door height (C55439, Sheet 55 of 118)

$A_{rd} := 3 \cdot W_{rd} \cdot H_{rd} = (9.677 \cdot 10^{4})\ in^2$ Total surface area for QTY 3 roll-ip doors



"Typical" Panel Area

$W_p := 52\ in$ "Typical" panel width

$H_p := 40\ in$ "Typical" panel height

$L_s := 50\ in$ Strap length

$A_p := W_p \cdot H_p = (2.08 \cdot 10^{3})\ in^2$ Total "typical" panel surface area

$t_m := 2\ in$ Width of panel steel member

$t_s := 1\ in$ Width of cross-bracing straps

$A_m := 2 \cdot (W_p - 4 \cdot t_m) \cdot t_m + 4 \cdot H_p \cdot t_m = 496\ in^2$ Total surface area of members in "typical" panels

$A_s := 2 \cdot (L_s - 1.5 \cdot t_s) \cdot t_s = 97\ in^2$ Total surface area of straps in "typical" panels (1.5 subtraction for overlap at cross and on diagonals of frame)

$R1 := \frac{A_m + A_s}{A_p} = 0.285$ Ratio of painted steel members to overall panel area

$W_d := 40\ in$ Standard commercial grade door width with frame

$H_d := 82\ in$ Standard commercial grade door heigth with frame

$W_w := 24\ in$ Window width

$H_w := 24\ in$ Window height

$A_d := 6 \cdot \left(W_d \cdot H_d - W_w \cdot H_w\right) = \left(1.622 \cdot 10^4\right)\ in^2$ Total surface area for QTY 6 doors with 1 window each

$A_w := 38 \cdot W_w \cdot H_w = \left(2.189 \cdot 10^4\right)\ in^2$ Total surface area for QTY 38 windows

$\varepsilon_p := 0.13$ Emissivity of Permacon wall panel material (AET-1-16-003)

$\varepsilon_s := 0.898$ Emissivity of Permacon sturctural steel members (painted blue) [AET-1-16-003]

$\varepsilon_d := 0.891$ Emissivity of Permacon personnel door (painted blue) [AET-1-16-003]

$\varepsilon_{rd} := 0.85$ Emissivity of Permacon roll-up door (painted white) [AET-1-16-003]

$\varepsilon_w := 0.95$ Emissivity of window glass (*Fundamentals of Heat and Mass Transfer, 6th Edition; Incropera et al; John Wiley and Sons, 2007)*

$R_{rd} := \frac{A_{rd}}{A_{surf}} = 0.06$ Ratio of roll-up door surface area to overall Permacon surface area

$R_d := \frac{A_d}{A_{surf}} = 0.01$ Ratio of personnel door surface area to overall Permacon surface area

$R_w := \frac{A_w}{A_{surf}} = 0.014$ Ratio of glass window surface area to overall Permacon surface area

$R_p := 1 - R_{rd} - R_d - R_w = 0.917$ Ratio of panel surface area to overall Permacon surface area

Area averaged emissivity of Permacon

$$\varepsilon_{avg} := R_{rd} \cdot \varepsilon_{rd} + R_d \cdot \varepsilon_d + R_w \cdot \varepsilon_w + R_p \cdot \langle (1 - R1) \cdot \varepsilon_p + R1 \cdot \varepsilon_s \rangle = 0.393$$

$T_D := 72\ °C$ Permacon Temperature

$\sigma = (5.67 \cdot 10^{-8})\ \frac{W}{m^2 \cdot K^4}$ Boltzmann's Constant

$h := 0.886\ m$ Drum height (55 gallon)

$D := 0.608\ m$ Drum diameter (55 gallon)

$A := 0.25 \cdot \pi \cdot D \cdot h + 0.5 \cdot \pi \cdot D^2 = 1.004\ m^2$ Surface area of 25% of drum (55 gallon) exterior

$\varepsilon := 0.9$ Emissivity of drum

$\rho := 1160\ \frac{kg}{m^3}$ Density of drum contents

$c := 2700 \cdot \frac{J}{kg \cdot K}$ Heat capacity of drum contents

$V := 0.25\ \pi \cdot \left(\frac{D}{2}\right)^2 \cdot h = 0.064\ m^3$ Volume of 25% of drum (55 gallon)

Given

$T'(t) = -\varepsilon \cdot \sigma \cdot A \cdot \left(T(t)^4 - T_D^4\right) \cdot \frac{1}{\rho \cdot V \cdot c}$

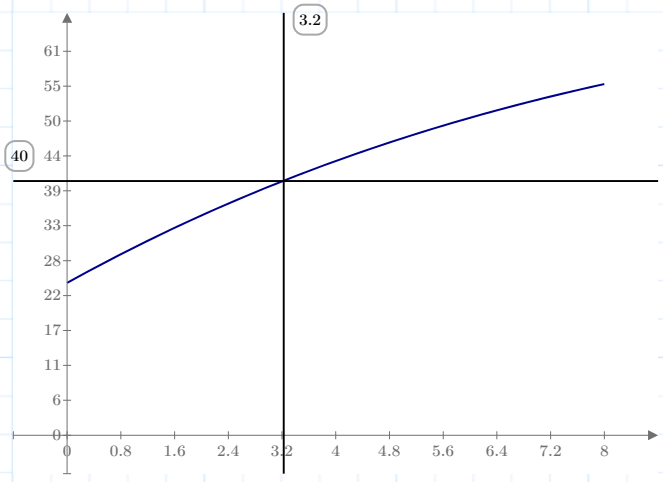
$T(0) = 24\ °C$

$T := \text{odesolve}(T(t), 8\ hr, 200 \cdot 8)$

$m := \rho \cdot V = 74.598\ kg$

$i := 0, 0.1\ hr .. 8\ hr$

$$T(i) = \begin{bmatrix} 24 \\ 24.583 \\ 25.16 \\ 25.731 \\ 26.297 \\ 26.858 \\ 27.413 \\ 27.962 \\ 28.506 \\ 29.044 \\ 29.578 \\ 30.105 \\ \vdots \end{bmatrix} °C$$



$T(i)$ (°C)

Bulk temperature of drum

0.1876	Assumed area of fire		2 ft. x 15 ft. =		30 ft^2		
Time (s)	HRR (kW)	Total Heat Flux kW/ft^2	Total Heat Flux kW/ m^2	Proportioned Heat Flux kW/ m^2	W/m^2	MJ	
0	0	0	0	0	0	0	
1	0	0	0	0	0	0	
2	0	0	0	0	0	0	
3	0	0	0	0	0	0	
4	0	0	0	0	0	0	
5	0	0	0	0	0	0	
6	0	0	0	0	0	0	
7	0	0	0	0	0	0	
8	0	0	0	0	0	0	
9	0	0	0	0	0	0	
10	0	0	0	0	0	0	
11	0	0	0	0	0	0	
12	0	0	0	0	0	0	
13	0	0	0	0	0	0	
14	0	0	0	0	0	0	
15	0	0	0	0	0	0	
16	0	0	0	0	0	0	
17	0	0	0	0	0	0	
18	0	0	0	0	0	0	
19	0	0	0	0	0	0	
20	0	0	0	0	0	0	
21	0	0	0	0	0	0	
22	0	0	0	0	0	0	
23	0	0	0	0	0	0	
24	0	0	0	0	0	0	
25	0	0	0	0	0	0	
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202	0.7504	0.05628	0.605793139	0.151448	151.4483	0.000938
203	1.6884	0.100053333	1.076965581	0.269241	269.2414	0.002626
204	3.0016	0.156333333	1.68275872	0.42069	420.6897	0.005628
205	4.69	0.22512	2.423172556	0.605793	605.7931	0.010318
206	6.7536	0.306413333	3.298207091	0.824552	824.5518	0.017072
207	9.1924	0.400213333	4.307862322	1.076966	1076.966	0.026264
208	12.0064	0.50652	5.452138252	1.363035	1363.035	0.03827
209	15.1956	0.625333333	6.731034879	1.682759	1682.759	0.053466
210	18.76	0.756653333	8.144552203	2.036138	2036.138	0.072226
211	22.6996	0.90048	9.692690225	2.423173	2423.173	0.094926
212	27.0144	1.056813333	11.37544894	2.843862	2843.862	0.12194
213	31.7044	1.225653333	13.19282836	3.298207	3298.207	0.153644
214	36.7696	1.407	15.14482848	3.786207	3786.207	0.190414
215	42.21	1.600853333	17.23144929	4.307862	4307.862	0.232624
216	48.0256	1.807213333	19.4526908	4.863173	4863.173	0.28065
217	54.2164	2.02608	21.80855301	5.452138	5452.138	0.334866
218	60.7824	2.257453333	24.29903591	6.074759	6074.759	0.395648
219	67.7236	2.501333333	26.92413951	6.731035	6731.035	0.463372
220	75.04	2.75772	29.68386381	7.420966	7420.966	0.538412
221	82.7316	3.026613333	32.57820881	8.144552	8144.552	0.621144
222	90.7984	3.308013333	35.60717451	8.901794	8901.794	0.711942
223	99.2404	3.60192	38.7707609	9.69269	9692.69	0.811182
224	108.0576	3.908333333	42.06896799	10.51724	10517.24	0.91924
225	117.25	4.227253333	45.50179578	11.37545	11375.45	1.03649
226	126.8176	4.55868	49.06924427	12.26731	12267.31	1.163308
227	136.7604	4.902613333	52.77131345	13.19283	13192.83	1.300068
228	147.0784	5.259053333	56.60800333	14.152	14152	1.447146
229	157.7716	5.628	60.57931391	15.14483	15144.83	1.604918
230	168.84	6.009453333	64.68524518	16.17131	16171.31	1.773758
231	180.2836	6.403413333	68.92579716	17.23145	17231.45	1.954042

232	192.1024	6.80988	73.30096983	18.32524	18325.24	2.146144
233	204.2964	7.228853333	77.8107632	19.45269	19452.69	2.35044
234	216.8656	7.660333333	82.45517726	20.61379	20613.79	2.567306
235	229.81	8.10432	87.23421203	21.80855	21808.55	2.797116
236	243.1296	8.560813333	92.14786749	23.03697	23036.97	3.040246
237	256.8244	9.029813333	97.19614365	24.29904	24299.04	3.29707
238	270.8944	9.51132	102.3790405	25.59476	25594.76	3.567964
239	285.3396	10.00533333	107.6965581	26.92414	26924.14	3.853304
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345	335	11.16666667	120.1970514	30.04926	30049.26	39.30475
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357	335	11.16666667	120.1970514	30.04926	30049.26	43.32475
358	335	11.16666667	120.1970514	30.04926	30049.26	43.65975
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362	335	11.16666667	120.1970514	30.04926	30049.26	44.99975
363	335	11.16666667	120.1970514	30.04926	30049.26	45.33475
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365	335	11.16666667	120.1970514	30.04926	30049.26	46.00475
366	335	11.16666667	120.1970514	30.04926	30049.26	46.33975
367	335	11.16666667	120.1970514	30.04926	30049.26	46.67475
368	335	11.16666667	120.1970514	30.04926	30049.26	47.00975
369	335	11.16666667	120.1970514	30.04926	30049.26	47.34475
370	335	11.16666667	120.1970514	30.04926	30049.26	47.67975
371	335	11.16666667	120.1970514	30.04926	30049.26	48.01475
372	335	11.16666667	120.1970514	30.04926	30049.26	48.34975

373	335	11.16666667	120.1970514	30.04926	30049.26	48.68475
374	335	11.16666667	120.1970514	30.04926	30049.26	49.01975
375	335	11.16666667	120.1970514	30.04926	30049.26	49.35475
376	335	11.16666667	120.1970514	30.04926	30049.26	49.68975
377	335	11.16666667	120.1970514	30.04926	30049.26	50.02475
378	335	11.16666667	120.1970514	30.04926	30049.26	50.35975
379	335	11.16666667	120.1970514	30.04926	30049.26	50.69475
380	335	11.16666667	120.1970514	30.04926	30049.26	51.02975
381	335	11.16666667	120.1970514	30.04926	30049.26	51.36475
382	335	11.16666667	120.1970514	30.04926	30049.26	51.69975
383	335	11.16666667	120.1970514	30.04926	30049.26	52.03475
384	335	11.16666667	120.1970514	30.04926	30049.26	52.36975
385	335	11.16666667	120.1970514	30.04926	30049.26	52.70475
386	335	11.16666667	120.1970514	30.04926	30049.26	53.03975
387	335	11.16666667	120.1970514	30.04926	30049.26	53.37475
388	335	11.16666667	120.1970514	30.04926	30049.26	53.70975
389	335	11.16666667	120.1970514	30.04926	30049.26	54.04475
390	335	11.16666667	120.1970514	30.04926	30049.26	54.37975
391	335	11.16666667	120.1970514	30.04926	30049.26	54.71475
392	335	11.16666667	120.1970514	30.04926	30049.26	55.04975
393	335	11.16666667	120.1970514	30.04926	30049.26	55.38475
394	335	11.16666667	120.1970514	30.04926	30049.26	55.71975
395	335	11.16666667	120.1970514	30.04926	30049.26	56.05475
396	335	11.16666667	120.1970514	30.04926	30049.26	56.38975
397	335	11.16666667	120.1970514	30.04926	30049.26	56.72475
398	335	11.16666667	120.1970514	30.04926	30049.26	57.05975
399	335	11.16666667	120.1970514	30.04926	30049.26	57.39475
400	335	11.16666667	120.1970514	30.04926	30049.26	57.72975
401	335	11.16666667	120.1970514	30.04926	30049.26	58.06475
402	335	11.16666667	120.1970514	30.04926	30049.26	58.39975
403	335	11.16666667	120.1970514	30.04926	30049.26	58.73475
404	335	11.16666667	120.1970514	30.04926	30049.26	59.06975
405	335	11.16666667	120.1970514	30.04926	30049.26	59.40475
406	335	11.16666667	120.1970514	30.04926	30049.26	59.73975
407	335	11.16666667	120.1970514	30.04926	30049.26	60.07475
408	335	11.16666667	120.1970514	30.04926	30049.26	60.40975
409	335	11.16666667	120.1970514	30.04926	30049.26	60.74475
410	335	11.16666667	120.1970514	30.04926	30049.26	61.07975
411	335	11.16666667	120.1970514	30.04926	30049.26	61.41475