

0 5195 101 160 r 31610 31610 1 0
material. xenon(z= 54.00 a=131.29)/source. J. H. Carpenter (jhcarpe@sandia.gov)/
date. Mar 16 2010/refs. /comp. Xe/codes. / SAND2010-2026P
1 5195 102 320 r 31610 31610 2 1
Debye solid model with CRIS liquid model. Electronic term uses generalized meta
l form interpolated to TFK theory at high temperatures. Equilibrium 301 table ha
s Maxwell constructions along all phase boundaries except for a very small tensi
on region below 37 K.
1 5195 201 5 r 31610 31610 1 1
5.40000000E+01 1.31290000E+02 3.82300000E+00 3.78700000E+00 0.00000000E+00 111111
1 5195 301 46026 r 31610 31610 2 1
1.86000000E+02 8.20000000E+01 1.00000000E-20 1.84759001E-19 3.32007528E-18 111111
5.91701404E-17 1.04727335E-15 1.28752517E-14 1.57520913E-13 1.91729311E-12 111111
1.62571753E-11 1.37212837E-10 1.15203859E-09 6.75361857E-09 3.94024528E-08 111111
2.28614480E-07 9.28893014E-07 3.75642247E-06 1.51088081E-05 4.27390982E-05 111111
1.20438686E-04 3.38023523E-04 6.71046492E-04 1.32996434E-03 2.63255076E-03 111111
3.70287844E-03 5.20860906E-03 7.32870216E-03 1.02567231E-02 1.43573861E-02 111111
2.01081346E-02 2.81931924E-02 3.96057764E-02 5.58180124E-02 7.90821322E-02 111111
1.13018307E-01 1.63924126E-01 2.44331442E-01 3.86725217E-01 5.20000000E-01 111111
7.10000000E-01 9.37002000E-01 1.30000000E+00 1.70439789E+00 2.01212281E+00 111111
2.22551050E+00 2.38577837E+00 2.51153606E+00 2.61313070E+00 2.69696952E+00 111111
2.76729220E+00 2.82705149E+00 2.87838257E+00 2.92287551E+00 2.95300000E+00 111111
2.98126051E+00 2.98416051E+00 3.00000000E+00 3.00641805E+00 3.02928556E+00 111111
3.05296077E+00 3.07765030E+00 3.10357767E+00 3.13099162E+00 3.16017552E+00 111111
3.19145876E+00 3.20000000E+00 3.22523369E+00 3.26197888E+00 3.30228767E+00 111111
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3.51409453E+00 3.51583175E+00 3.53127240E+00 3.53706200E+00 3.55641539E+00 111111
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3.61930594E+00 3.63074453E+00 3.63989546E+00 3.64448171E+00 3.65891414E+00 111111
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5.90000000E+00 6.23958896E+00 6.39000000E+00 6.50771611E+00 6.90000000E+00 111111
7.30000000E+00 7.74292601E+00 7.87000000E+00 8.02560647E+00 8.57000000E+00 111111
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8.34539204E+06 1.49834175E+07 2.86384313E+07 5.74519065E+07 1.17964488E+08 111111
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4.99674093E+02	8.34898086E+02	8.88516340E+02	9.47822148E+02	1.46434444E+03111111
1.56294127E+03	1.68135918E+03	2.53513841E+03	2.71678674E+03	2.92230801E+03111111
4.44892133E+03	4.80332376E+03	5.11026411E+03	8.01731721E+03	8.56699884E+03111111
1.2263824E+03	1.49062613E+04	1.67401414E+04	2.86232106E+04	3.16695769E+04111111
5.68391283E+04	6.19314730E+04	1.17173621E+05	1.25778460E+05	2.52406931E+05111111
2.67190414E+05	4.35380116E+05	3.16000000E-26	3.16000000E-26	3.16000000E-26111111
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-2.73743258E-02	-2.80768456E-02	-2.84616254E-02	-2.88557469E-02	-2.94591147E-02111111
-2.97211317E-02	-3.06849858E-02	-3.12045347E-02	-3.17615781E-02	-3.26835525E-02111111
-3.28569724E-02	-3.29680023E-02	-3.39548501E-02	-3.43248763E-02	-3.55617966E-02111111
-3.58573412E-02	-3.68940837E-02	-3.75965123E-02	-3.80183965E-02	-3.92720014E-02111111
-3.95812775E-02	-4.03123439E-02	-4.08972010E-02	-4.11903190E-02	-4.21127290E-02111111
-4.21382775E-02	-4.28851732E-02	-4.35414699E-02	-4.42093716E-02	-4.47747670E-02111111
-4.52592586E-02	-4.57432382E-02	-4.57980539E-02	-4.61572953E-02	-4.65152604E-02111111
-4.65920788E-02	-4.39905078E-02	-4.28297481E-02	-4.04993179E-02	-3.86359657E-02111111
-3.69824076E-02	-3.49372080E-02	1.68665336E-02	2.70273817E-02	3.88395611E-02111111
1.40042149E-01	2.93079337E-01	3.51125950E-01	5.19333849E-01	7.25189301E-01111111
8.03193007E-01	1.07944090E+00	1.41659771E+00	1.85177669E+00	2.36824057E+00111111
2.77293720E+00	3.58035319E+00	4.22249949E+00	4.87472804E+00	5.67287218E+00111111
7.62199744E+00	1.02480589E+01	1.15569452E+01	1.26447391E+01	1.66765833E+01111111
2.14386819E+01	2.74826362E+01	2.93659803E+01	3.17625903E+01	4.09254069E+01111111
5.09950611E+01	6.48619160E+01	7.88055115E+01	8.28892985E+01	8.76280817E+01111111
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2.28938991E+02	2.72667276E+02	3.23823233E+02	3.84505367E+02	4.47237757E+02111111

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3.51132965E-05	2.95833543E-03	7.52099941E-03	9.53556698E-03	1.71212252E-02111111
2.13253984E-02	2.59237392E-02	3.37433438E-02	3.52435474E-02	3.62089494E-02111111
4.49594408E-02	4.83198852E-02	5.98720340E-02	6.27056943E-02	7.28730762E-02111111
7.99650078E-02	8.43043032E-02	9.75563239E-02	1.00909002E-01	1.08966712E-01111111
1.15548318E-01	1.18892538E-01	1.29617244E-01	1.29918657E-01	1.38835240E-01111111
1.46838951E-01	1.55147956E-01	1.62312103E-01	1.68547050E-01	1.74864497E-01111111
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2.49334440E-01	2.59447713E-01	2.71204112E-01	3.71915453E-01	5.24196482E-01111111
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1.64279222E+00	2.07636219E+00	2.59107136E+00	2.99448851E+00	3.79955075E+00111111
4.43997730E+00	5.09057000E+00	5.88683818E+00	7.83183284E+00	1.04530551E+01111111
1.17597577E+01	1.28458292E+01	1.68718724E+01	2.16280040E+01	2.76653492E+01111111
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7.89516408E+01	8.30333276E+01	8.77697668E+01	1.10337252E+02	1.41279977E+02111111
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8.34942393E+02	8.88558762E+02	9.47862690E+02	1.46437427E+03	1.56296977E+03111111
1.68138627E+03	2.53515887E+03	2.71680629E+03	2.92232664E+03	4.44893560E+03111111
4.80334639E+03	5.11027723E+03	8.01732730E+03	8.56700857E+03	9.12264763E+03111111
1.49062685E+04	1.67401482E+04	2.86232158E+04	3.16695818E+04	5.68391320E+04111111
6.19314766E+04	1.17173624E+05	1.25778463E+05	2.52406933E+05	2.67190416E+05111111
4.35380117E+05	2.01380069E-22	2.88571882E-21	4.34229477E-20	6.90160079E-19111111
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1.25778464E+05 2.52406933E+05 2.67190417E+05 4.35380118E+05 2.49398661E-22111111
3.48131787E-21 5.10680874E-20 7.95422153E-19 1.29538070E-17 1.52361768E-16111111
1.81412129E-15 2.17213806E-14 1.82581124E-13 1.53240200E-12 1.28199350E-11111111
7.50056324E-11 4.37004260E-10 2.53310090E-09 1.02865681E-08 4.15794892E-08111111
1.67161630E-07 4.72647422E-07 1.33096524E-06 3.73049465E-06 7.39405044E-06111111
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8.01742291E+03	8.56710118E+03	9.12273749E+03	1.49063393E+04	1.67402151E+04
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1.25778488E+05	2.52406951E+05	2.67190434E+05	4.35380132E+05	7.88036755E+05
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1.28757840E-10	7.48272301E-10	4.32975069E-09	1.75649438E-08	7.09480019E-08
2.85091078E-07	8.05923609E-07	2.26942757E-06	6.36287096E-06	1.26184943E-05
2.49695472E-05	4.93020315E-05	6.92236692E-05	9.71500992E-05	1.36289441E-04
1.90019793E-04	2.64677136E-04	3.68280479E-04	5.11879225E-04	7.10643406E-04
9.85302795E-04	1.36393394E-03	1.88385326E-03	2.59248269E-03	3.54256307E-03
4.76018728E-03	5.44935285E-03	5.89082838E-03	5.96627953E-03	6.31630966E-03
1.00403258E-02	1.91186663E-02	3.16865173E-02	4.65255931E-02	6.26761958E-02
7.94265066E-02	9.62709186E-02	1.12859438E-01	1.28958488E-01	1.44421009E-01
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1.90550450E-01	2.00062569E-01	2.10358559E-01	2.21599424E-01	2.33981813E-01
2.47744876E-01	2.63188682E-01	2.80694422E-01	2.85651174E-01	3.00755012E-01
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1.28752261E+00	1.29706646E+00	1.32582099E+00	1.33300691E+00	1.35013919E+00111111
1.36399480E+00	1.37098935E+00	1.39322278E+00	1.39384338E+00	1.41210194E+00111111
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1.51335794E+00	1.51783874E+00	1.52141473E+00	1.52458296E+00	1.52849515E+00111111
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4.35381124E+05	9.04357773E-21	1.39098588E-19	1.93414428E-18	2.49310956E-17111111
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3.40563444E-04 4.78411172E-04 6.72331012E-04 9.39989855E-04 1.31477809E-03111111
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1.04890271E-02 1.53874283E-02 2.33892719E-02 3.84566377E-02 5.37780646E-02111111
7.81446297E-02 1.12231874E-01 1.82331183E-01 2.93318635E-01 4.11174633E-01111111
5.15498767E-01 6.08744953E-01 6.92250459E-01 7.67110192E-01 8.34320276E-01111111
8.94765316E-01 9.49217389E-01 9.98371713E-01 1.04283260E+00 1.07394885E+00111111
1.10390197E+00 1.10701827E+00 1.12418130E+00 1.13120385E+00 1.15655018E+00111111
1.18333439E+00 1.21186439E+00 1.24249726E+00 1.27565052E+00 1.31182757E+00111111
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1.57407666E+00 1.66041643E+00 1.67487787E+00 1.67869120E+00 1.69023627E+00111111
1.69050638E+00 1.70796100E+00 1.71758908E+00 1.72750295E+00 1.74278096E+00111111
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1.83112964E+00 1.83408395E+00 1.86053307E+00 1.87053953E+00 1.90434365E+00111111
1.91250213E+00 1.94137323E+00 1.96115796E+00 1.97312871E+00 2.00909177E+00111111
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3.81377592E+00 4.25198256E+00 4.76457266E+00 5.40125840E+00 5.40125840E+00111111
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4.77942020E+02 5.04130297E+02 8.39797415E+02 8.93473261E+02 9.52839639E+02111111
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2.92847152E+03 4.45553277E+03 4.81002571E+03 5.11702276E+03 8.02454619E+03111111
8.57429546E+03 9.12999843E+03 1.49140955E+04 1.67480801E+04 2.86315786E+04111111
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7.71452930E-02 1.12567169E-01 1.61963906E-01 2.62077915E-01 4.16134928E-01111111
5.74827288E-01 7.12066801E-01 8.32670509E-01 9.39272518E-01 1.03385212E+00111111

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1.41348324E+00	1.44994765E+00	1.45373596E+00	1.47458226E+00	1.48310411E+00111111
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1.70063666E+00	1.74818034E+00	1.76136191E+00	1.80082468E+00	1.85967492E+00111111
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2.30592352E+00	2.31125608E+00	2.31467586E+00	2.34526522E+00	2.35683224E+00111111
2.39584541E+00	2.40525140E+00	2.43850397E+00	2.46126704E+00	2.47502661E+00111111
2.51631755E+00	2.52659706E+00	2.55104279E+00	2.57074805E+00	2.58067398E+00111111
2.61213097E+00	2.61300704E+00	2.63873289E+00	2.66152212E+00	2.68489228E+00111111
2.70481750E+00	2.72199392E+00	2.73925043E+00	2.74121081E+00	2.75408893E+00111111
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2.79086562E+00	2.79522713E+00	2.80061095E+00	2.93282677E+00	2.95794306E+00111111
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6.94890064E+00	7.52342676E+00	8.63547689E+00	9.49653666E+00	9.49653666E+00111111
9.49653666E+00	1.15384561E+01	1.42544029E+01	1.55999945E+01	1.67155959E+01111111
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4.54301487E+01	5.56045743E+01	6.95980778E+01	8.36546827E+01	8.77694651E+01111111
9.25431959E+01	1.15274648E+02	1.46414402E+02	1.81098395E+02	2.13059386E+02111111
2.23278274E+02	2.34623898E+02	2.78532244E+02	3.29879162E+02	3.90766262E+02111111
4.53691032E+02	4.80057576E+02	5.06275732E+02	8.42265971E+02	8.95985756E+02111111
9.55398857E+02	1.47269122E+03	1.57141018E+03	1.68996693E+03	2.54456339E+03111111
2.72635520E+03	2.93202935E+03	4.45955568E+03	4.81413914E+03	5.12121066E+03111111
8.02931179E+03	8.57915164E+03	9.13494178E+03	1.49197653E+04	1.67539332E+04111111
2.86383366E+04	3.16849522E+04	5.68558948E+04	6.19484321E+04	1.17191853E+05111111
1.25796811E+05	2.52426100E+05	2.67209616E+05	4.35399351E+05	3.08662381E-20111111
5.49505089E-19	9.26086102E-18	1.48321938E-16	2.22121450E-15	2.22281599E-14111111
2.09445982E-13	1.88073152E-12	1.20746130E-11	7.73081523E-11	5.01617576E-10111111
2.42998198E-09	1.20379304E-08	6.10471313E-08	2.27264028E-07	8.55957689E-07111111
3.25274847E-06	8.88914236E-06	2.43427755E-05	6.67255763E-05	1.30704661E-04111111
2.56029264E-04	5.01630264E-04	7.02351864E-04	9.83784288E-04	1.37889955E-03111111
1.92332160E-03	2.68457502E-03	3.75152364E-03	5.25276834E-03	7.37779389E-03111111
1.04136323E-02	1.48130111E-02	2.13340730E-02	3.13680786E-02	4.78812169E-02111111
7.92970078E-02	1.11488048E-01	1.62734444E-01	2.33733127E-01	3.75321864E-01111111
5.87289626E-01	7.99577140E-01	9.79307085E-01	1.13484633E+00	1.27072408E+00111111
1.39015833E+00	1.49568495E+00	1.58934272E+00	1.67273567E+00	1.74734187E+00111111
1.81422870E+00	1.86077732E+00	1.90535353E+00	1.90997614E+00	1.93538569E+00111111
1.94576166E+00	1.98312708E+00	2.02248379E+00	2.06424459E+00	2.10885476E+00111111
2.15689660E+00	2.20908786E+00	2.26623488E+00	2.28205024E+00	2.32932395E+00111111
2.39966533E+00	2.47890174E+00	2.58017216E+00	2.69979206E+00	2.71971395E+00111111
2.72496200E+00	2.74083726E+00	2.74120853E+00	2.76517163E+00	2.77837251E+00111111
2.79194985E+00	2.81284529E+00	2.82196081E+00	2.85570837E+00	2.87404223E+00111111
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2.98627595E+00	3.03179553E+00	3.04275904E+00	3.08148580E+00	3.10796224E+00111111
3.12395642E+00	3.17189802E+00	3.18382206E+00	3.21216006E+00	3.23498670E+00111111
3.24647917E+00	3.28287272E+00	3.28388569E+00	3.31361766E+00	3.33993170E+00111111
3.36690391E+00	3.38986143E+00	3.40966131E+00	3.42951482E+00	3.43177099E+00111111
3.44658724E+00	3.46140218E+00	3.46459402E+00	3.47256421E+00	3.47609814E+00111111
3.48319516E+00	3.48886683E+00	3.49388733E+00	3.50004911E+00	3.65159378E+00111111
3.68030588E+00	3.71331749E+00	3.98247171E+00	4.35430354E+00	4.48703585E+00111111
4.85225522E+00	5.26893468E+00	5.42001756E+00	5.93171502E+00	6.51828168E+00111111
7.23164736E+00	8.03324914E+00	8.63653513E+00	9.79363184E+00	1.06815098E+01111111
1.15619174E+01	1.26169342E+01	1.51220806E+01	1.83993385E+01	1.83993385E+01111111
1.83993385E+01	2.25848581E+01	2.74888676E+01	3.36803605E+01	3.56048263E+01111111
3.80512446E+01	4.73847315E+01	5.76168177E+01	7.16795873E+01	8.57980300E+01111111
8.99298103E+01	9.47227334E+01	1.17539147E+02	1.48782447E+02	1.83569611E+02111111
2.15617392E+02	2.25862667E+02	2.373236905E+02	2.81250054E+02	3.32709609E+02111111
3.93719338E+02	4.56760853E+02	4.83173762E+02	5.09436689E+02	8.45913250E+02111111
8.99699489E+02	9.59183339E+02	1.47699978E+03	1.57580456E+03	1.69445982E+03111111
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5.12752757E+03	8.03656419E+03	8.58655282E+03	9.14248672E+03	1.49285317E+04111111
1.67630154E+04	2.86490259E+04	3.16959733E+04	5.68690242E+04	6.19618987E+04111111
1.17208042E+05	1.25813325E+05	2.52445981E+05	2.67229782E+05	4.35421947E+05111111
4.50461531E-20	8.16412796E-19	1.41769478E-17	2.38008617E-16	3.81087194E-15111111

4.09418546E-14	4.14566040E-13	3.94582056E-12	2.60687871E-11	1.67515517E-10111111
1.06344200E-09	4.97461053E-09	2.35420617E-08	1.13429596E-07	4.05194394E-07111111
1.46760847E-06	5.38371403E-06	1.43720541E-05	3.85532314E-05	1.03802068E-04111111
2.01211307E-04	3.90457329E-04	7.58635991E-04	1.05813806E-03	1.47680178E-03111111
2.06291468E-03	2.86837794E-03	3.99187146E-03	5.56289197E-03	7.76861631E-03111111
1.08845333E-02	1.53276474E-02	2.17553424E-02	3.12681871E-02	4.58856989E-02111111
6.99105135E-02	1.15533972E-01	1.62148554E-01	2.35973830E-01	3.37304625E-01111111
5.35835704E-01	8.25097035E-01	1.10717290E+00	1.34130388E+00	1.54107446E+00111111
1.71371414E+00	1.86418560E+00	1.99622088E+00	2.11272822E+00	2.21599726E+00111111
2.30797869E+00	2.39023705E+00	2.44723853E+00	2.50172362E+00	2.50737141E+00111111
2.53841602E+00	2.55108913E+00	2.59666579E+00	2.64454257E+00	2.69518710E+00111111
2.74924461E+00	2.80741810E+00	2.87046069E+00	2.93927007E+00	2.95828924E+00111111
3.01509279E+00	3.09947771E+00	3.19421836E+00	3.31488420E+00	3.45699488E+00111111
3.48059240E+00	3.48680479E+00	3.50559029E+00	3.50602940E+00	3.53436487E+00111111
3.54996590E+00	3.56600602E+00	3.59068064E+00	3.60144081E+00	3.64125908E+00111111
3.66287884E+00	3.68617958E+00	3.72501227E+00	3.73235312E+00	3.73705910E+00111111
3.77909737E+00	3.79495874E+00	3.84837485E+00	3.86123476E+00	3.90661301E+00111111
3.93760981E+00	3.95632629E+00	4.01238246E+00	4.02631313E+00	4.05939965E+00111111
4.08602892E+00	4.09942906E+00	4.14183619E+00	4.14301592E+00	4.17762687E+00111111
4.20823591E+00	4.23957542E+00	4.26625583E+00	4.28923026E+00	4.31227332E+00111111
4.31490179E+00	4.33208984E+00	4.34927353E+00	4.35296771E+00	4.36220223E+00111111
4.36631089E+00	4.37453903E+00	4.38109831E+00	4.38690453E+00	4.39406711E+00111111
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5.52375660E+00	5.93576984E+00	6.40241414E+00	6.57076157E+00	7.13785660E+00111111
7.78248190E+00	8.55945423E+00	9.42442505E+00	1.00703706E+01	1.12987519E+01111111
1.22331285E+01	1.31535665E+01	1.42496084E+01	1.68275005E+01	2.01615354E+01111111
2.17854383E+01	2.31213935E+01	2.79966908E+01	3.36565186E+01	4.07518983E+01111111
4.07518983E+01	4.07518983E+01	5.01873682E+01	6.05106443E+01	7.46794392E+01111111
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3.36808548E+02	3.97997370E+02	4.61209512E+02	4.87690223E+02	5.14018642E+02111111
8.51208170E+02	9.05092069E+02	9.64679956E+02	1.48326925E+03	1.58220097E+03111111
1.70100207E+03	2.55709175E+03	2.73915587E+03	2.94512369E+03	4.47448364E+03111111
4.82942881E+03	5.13679915E+03	8.04725924E+03	8.59747592E+03	9.15363061E+03111111
1.49415703E+04	1.67765493E+04	2.86651223E+04	3.17126076E+04	5.68891603E+04111111
6.19826092E+04	1.17233568E+05	1.25839450E+05	2.52478705E+05	2.67263104E+05111111
4.35460737E+05	6.49060426E-20	1.18738047E-18	2.09577181E-17	3.61683044E-16111111
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1.70716073E-04	3.25853249E-04	6.23390161E-04	1.19550726E-03	1.65735747E-03111111
2.29970597E-03	3.19465141E-03	4.41894682E-03	6.11929102E-03	8.48710306E-03111111
1.17982280E-02	1.64574111E-02	2.30755544E-02	3.26128533E-02	4.66722342E-02111111
6.81866664E-02	1.03383239E-01	1.69817531E-01	3.37238830E-01	3.43135526E-01111111
4.867770583E-01	7.62820535E-01	1.15425499E+00	1.52628224E+00	1.82934778E+00111111
2.08451389E+00	2.30282297E+00	2.49160786E+00	2.65621316E+00	2.80068974E+00111111
2.92823073E+00	3.04137110E+00	3.14220278E+00	3.21195376E+00	3.27849140E+00111111
3.28537877E+00	3.32320858E+00	3.33863290E+00	3.39405979E+00	3.45221771E+00111111
3.51370816E+00	3.57919460E+00	3.64948248E+00	3.72550231E+00	3.80840884E+00111111
3.83129837E+00	3.89957058E+00	4.00072845E+00	4.11404406E+00	4.25802236E+00111111
4.42693580E+00	4.45492984E+00	4.46229750E+00	4.48456983E+00	4.48509033E+00111111
4.51866410E+00	4.53714009E+00	4.55612879E+00	4.58532675E+00	4.59806872E+00111111
4.64512390E+00	4.67065880E+00	4.69816341E+00	4.74397183E+00	4.75262820E+00111111
4.75817643E+00	4.80771066E+00	4.82638647E+00	4.88922603E+00	4.90434096E+00111111
4.95764844E+00	4.99403716E+00	5.01599775E+00	5.08172460E+00	5.09804843E+00111111
5.13680326E+00	5.16797566E+00	5.18365502E+00	5.23323663E+00	5.23461518E+00111111
5.27503883E+00	5.31075769E+00	5.34730191E+00	5.37839523E+00	5.40515676E+00111111
5.43199961E+00	5.43504748E+00	5.45505214E+00	5.47504636E+00	5.47934500E+00111111
5.49008637E+00	5.49486599E+00	5.50443485E+00	5.51206359E+00	5.51881569E+00111111
5.52714388E+00	5.73047403E+00	5.76882479E+00	5.81285369E+00	6.16945431E+00111111
6.65547278E+00	6.82724223E+00	7.29548987E+00	7.82245322E+00	8.01168785E+00111111
8.64637900E+00	9.36256035E+00	1.02192103E+01	1.11650878E+01	1.18667423E+01111111
1.31910565E+01	1.41905775E+01	1.51693168E+01	1.63279821E+01	1.90283713E+01111111
2.24800744E+01	2.41483338E+01	2.55156077E+01	3.04741839E+01	3.61882745E+01111111
4.33152955E+01	4.55176362E+01	4.83108784E+01	5.89212452E+01	7.05020915E+01111111
8.63738935E+01	1.02281428E+02	1.02281428E+02	1.02281428E+02	1.25408855E+02111111

1.57024669E+02	1.92179421E+02	2.24535034E+02	2.34873752E+02	2.46349265E+02111111
2.90733032E+02	3.42590680E+02	4.04033859E+02	4.67488272E+02	4.94065251E+02111111
5.20486665E+02	8.58689231E+02	9.12712027E+02	9.72447925E+02	1.49213821E+03111111
1.59125103E+03	1.71026027E+03	2.56762616E+03	2.74992382E+03	2.95614379E+03111111
4.48708493E+03	4.84234350E+03	5.14997311E+03	8.06249230E+03	8.61304002E+03111111
9.16951555E+03	1.49602219E+04	1.67959284E+04	2.86882943E+04	3.17365826E+04111111
5.69184238E+04	6.20127511E+04	1.17271211E+05	1.25878042E+05	2.52528094E+05111111
2.67313502E+05	4.35520670E+05	9.19210779E-20	1.68948155E-18	3.00708258E-17111111
5.26660808E-16	9.03376959E-15	1.06014081E-13	1.20423139E-12	1.30816665E-11111111
9.66471980E-11	6.81468933E-10	4.58658427E-09	2.17792951E-08	1.01264965E-07111111
4.65055949E-07	1.57030166E-06	5.31545152E-06	1.81054289E-05	4.56584379E-05111111
1.15809848E-04	2.95561267E-04	5.53924823E-04	1.04120901E-03	1.96353527E-03111111
2.70025845E-03	3.71763315E-03	5.12536526E-03	7.03851146E-03	9.67876786E-03111111
1.33328289E-02	1.84117759E-02	2.55156989E-02	3.55456854E-02	4.99104153E-02111111
7.09490860E-02	1.02917553E-01	1.54799082E-01	2.51729429E-01	3.49080986E-01111111
5.00282760E-01	7.02467688E-01	1.08304332E+00	1.60809497E+00	2.09477886E+00111111
2.48419668E+00	2.80796738E+00	3.08236619E+00	3.31790118E+00	3.52205503E+00111111
3.70037032E+00	3.85714259E+00	3.99574250E+00	4.11888986E+00	4.20388675E+00111111
4.28482916E+00	4.29320170E+00	4.33915293E+00	4.35787467E+00	4.42508626E+00111111
4.49550209E+00	4.56984441E+00	4.64892283E+00	4.73366960E+00	4.82518445E+00111111
4.92478060E+00	4.95224466E+00	5.03407172E+00	5.15508283E+00	5.29041009E+00111111
5.46186692E+00	5.66231979E+00	5.69549691E+00	5.70422770E+00	5.73061846E+00111111
5.73123498E+00	5.77099478E+00	5.79286104E+00	5.81532485E+00	5.84984630E+00111111
5.86488699E+00	5.92047694E+00	5.95060665E+00	5.98304954E+00	6.03703305E+00111111
6.04723007E+00	6.05376542E+00	6.11209009E+00	6.13407115E+00	6.20798898E+00111111
6.22574578E+00	6.28837289E+00	6.33107745E+00	6.35684040E+00	6.43385657E+00111111
6.45298783E+00	6.49834071E+00	6.53480930E+00	6.55315063E+00	6.61113353E+00111111
6.61274829E+00	6.65998811E+00	6.70173265E+00	6.74440786E+00	6.78070222E+00111111
6.81193090E+00	6.84322336E+00	6.84677436E+00	6.87008103E+00	6.89336486E+00111111
6.89836351E+00	6.91087322E+00	6.91643555E+00	6.92757219E+00	6.93644764E+00111111
6.94430263E+00	6.95399647E+00	7.19014139E+00	7.23461544E+00	7.28567009E+00111111
7.69789180E+00	8.25651200E+00	8.45314229E+00	8.98708237E+00	9.58474490E+00111111
9.79855954E+00	1.05126092E+01	1.13133518E+01	1.22646659E+01	1.33078930E+01111111
1.40772987E+01	1.55197869E+01	1.66013042E+01	1.76546520E+01	1.88953552E+01111111
2.17633384E+01	2.53898686E+01	2.71297048E+01	2.85502902E+01	3.36687508E+01111111
3.95173992E+01	4.67619695E+01	4.89925879E+01	5.18175275E+01	6.25181244E+01111111
7.41665830E+01	9.01133423E+01	1.06096358E+02	1.10772474E+02	1.16196959E+02111111
1.42032025E+02	1.77468410E+02	2.17028412E+02	2.53574044E+02	2.53574044E+02111111
2.53574044E+02	2.98258626E+02	3.50437683E+02	4.12229650E+02	4.76015660E+02111111
5.02724296E+02	5.29272846E+02	8.68859163E+02	9.23071644E+02	9.83009683E+02111111
1.50420419E+03	1.60356456E+03	1.72285840E+03	2.58197055E+03	2.76458802E+03111111
2.97115339E+03	4.50426294E+03	4.85995179E+03	5.16793751E+03	8.08328938E+03111111
8.63429329E+03	9.19121114E+03	1.49857407E+04	1.68224554E+04	2.87200973E+04111111
3.17695069E+04	5.69587764E+04	6.20543450E+04	1.17323498E+05	1.25931697E+05111111
2.52597512E+05	2.67384415E+05	4.35605934E+05	1.27290720E-19	2.34504250E-18111111
4.19163596E-17	7.39742146E-16	1.28603295E-14	1.53864028E-13	1.79997391E-12111111
2.03901572E-11	1.57692313E-10	1.17082078E-09	8.29494545E-09	4.08608900E-08111111
1.95079819E-07	9.07617926E-07	3.06357615E-06	1.02685130E-05	3.43348371E-05111111
8.49824265E-05	2.10883109E-04	5.25348621E-04	9.68092197E-04	1.78872250E-03111111
3.31563638E-03	4.52083506E-03	6.17153309E-03	8.43720914E-03	1.14921703E-02111111
1.56758689E-02	2.14221385E-02	2.93488862E-02	4.03519872E-02	5.57670154E-02111111
7.76666320E-02	1.09466606E-01	1.57333104E-01	2.34173733E-01	3.75767222E-01111111
5.16061139E-01	7.30987336E-01	1.01374419E+00	1.53430953E+00	2.23285336E+00111111
2.86465362E+00	3.36152838E+00	3.76970062E+00	4.11253578E+00	4.40477878E+00111111
4.65665906E+00	4.87566628E+00	5.06746469E+00	5.23648688E+00	5.38625686E+00111111
5.48940815E+00	5.58747488E+00	5.59760971E+00	5.65320134E+00	5.67584067E+00111111
5.75704161E+00	5.84200068E+00	5.93157438E+00	6.02671908E+00	6.12853936E+00111111
6.23832017E+00	6.35759879E+00	6.39045577E+00	6.48825777E+00	6.63265392E+00111111
6.79378268E+00	6.99745397E+00	7.23491233E+00	7.27414768E+00	7.28447153E+00111111
7.31565320E+00	7.31638169E+00	7.36334672E+00	7.38916436E+00	7.41567674E+00111111
7.45640572E+00	7.47414668E+00	7.53967022E+00	7.57517118E+00	7.61337109E+00111111
7.67691399E+00	7.68890905E+00	7.69659898E+00	7.76518970E+00	7.79101853E+00111111
7.87784855E+00	7.89870673E+00	7.97218154E+00	8.02225655E+00	8.05244806E+00111111
8.14265472E+00	8.16502692E+00	8.21809513E+00	8.26073251E+00	8.28216480E+00111111
8.34988352E+00	8.35176509E+00	8.40691758E+00	8.45560866E+00	8.50537175E+00111111
8.54767324E+00	8.58404806E+00	8.62050094E+00	8.62463352E+00	8.65177986E+00111111

8.67889070E+00	8.68471701E+00	8.69927229E+00	8.70574657E+00	8.71870246E+00	1.111111
8.72902814E+00	8.73816965E+00	8.74944186E+00	9.02372265E+00	9.07529349E+00	1.111111
9.13445381E+00	9.61100242E+00	1.02535789E+01	1.04788522E+01	1.10887108E+01	1.111111
1.17678041E+01	1.20100331E+01	1.28158682E+01	1.37144729E+01	1.47757543E+01	1.111111
1.59325086E+01	1.67810608E+01	1.83633679E+01	1.95424965E+01	2.06858360E+01	1.111111
2.20263179E+01	2.51028908E+01	2.89557971E+01	3.07918564E+01	3.22858975E+01	1.111111
3.76359442E+01	4.36986197E+01	5.11535393E+01	5.34395181E+01	5.63293758E+01	1.111111
6.72342526E+01	7.90537663E+01	9.51861529E+01	1.11327112E+02	1.16046763E+02	1.111111
1.21520870E+02	1.47588347E+02	1.83352307E+02	2.23301129E+02	2.60226204E+02	1.111111
2.72054058E+02	2.85197768E+02	3.36171678E+02	3.95964600E+02	4.67060335E+02	1.111111
5.40684980E+02	5.40684980E+02	5.40684980E+02	8.82083908E+02	9.36544385E+02	1.111111
9.96746644E+02	1.51990638E+03	1.61959012E+03	1.73925571E+03	2.60064921E+03	1.111111
2.78368460E+03	2.99070135E+03	4.52664586E+03	4.88289753E+03	5.19134911E+03	1.111111
8.11040926E+03	8.66201082E+03	9.21950828E+03	1.50190532E+04	1.68570921E+04	1.111111
2.87616766E+04	3.18125647E+04	5.70116551E+04	6.21088696E+04	1.17392262E+05	1.111111
1.26002291E+05	2.52689338E+05	2.67478272E+05	4.35719406E+05	1.72041164E+06	1.111111
3.17326972E-18	5.68448758E-17	1.00721321E-15	1.76364406E-14	2.13266174E-13	1.111111
2.53765602E-12	2.95024365E-11	2.35355330E-10	1.81738860E-09	1.34701537E-08	1.111111
6.89555701E-08	3.40908387E-07	1.62983126E-06	5.57846819E-06	1.88060848E-05	1.111111
6.27079529E-05	1.54045124E-04	3.77772534E-04	9.26575121E-04	1.68689917E-03	1.111111
3.07584326E-03	5.62144902E-03	7.60877790E-03	1.03096015E-02	1.39877113E-02	1.111111
1.89086324E-02	2.55955454E-02	3.47083882E-02	4.71800273E-02	6.43524817E-02	1.111111
8.82099028E-02	1.21805278E-01	1.70124793E-01	2.42085881E-01	3.56171879E-01	1.111111
5.63072434E-01	7.64898645E-01	1.06937842E+00	1.46295311E+00	2.17107659E+00	1.111111
3.09528017E+00	3.91132192E+00	4.54244969E+00	5.05495898E+00	5.48175941E+00	1.111111
5.84314766E+00	6.15298528E+00	6.42120043E+00	6.65525839E+00	6.86089815E+00	1.111111
7.04263165E+00	7.16754063E+00	7.28610707E+00	7.29835055E+00	7.36547599E+00	1.111111
7.39279700E+00	7.49071578E+00	7.59304249E+00	7.70078827E+00	7.81508281E+00	1.111111
7.93721887E+00	8.06870861E+00	8.21135483E+00	8.25060923E+00	8.36735711E+00	1.111111
8.53945764E+00	8.73113211E+00	8.97286348E+00	9.25396066E+00	9.30033088E+00	1.111111
9.31252515E+00	9.34936076E+00	9.35022108E+00	9.40566807E+00	9.43613721E+00	1.111111
9.46741992E+00	9.51545590E+00	9.53637029E+00	9.61359244E+00	9.65540453E+00	1.111111
9.70037960E+00	9.77515145E+00	9.78926213E+00	9.79830403E+00	9.87893560E+00	1.111111
9.90929268E+00	1.00112596E+01	1.00357351E+01	1.01219353E+01	1.01806433E+01	1.111111
1.02160221E+01	1.03216734E+01	1.03478597E+01	1.04099497E+01	1.04598158E+01	1.111111
1.04848735E+01	1.05640101E+01	1.05662082E+01	1.06306146E+01	1.06874415E+01	1.111111
1.07455012E+01	1.07948341E+01	1.08372370E+01	1.08797158E+01	1.08845341E+01	1.111111
1.09161545E+01	1.09477228E+01	1.09545121E+01	1.09714554E+01	1.09789960E+01	1.111111
1.09940819E+01	1.10061068E+01	1.10167446E+01	1.10298618E+01	1.13486582E+01	1.111111
1.14085166E+01	1.14771344E+01	1.20286403E+01	1.27688404E+01	1.30275086E+01	1.111111
1.37254227E+01	1.44991142E+01	1.47741882E+01	1.56863338E+01	1.66984314E+01	1.111111
1.78872079E+01	1.91758243E+01	2.01169683E+01	2.18625234E+01	2.31564916E+01	1.111111
2.44059325E+01	2.58650466E+01	2.91920756E+01	3.33230569E+01	3.52791892E+01	1.111111
3.68663684E+01	4.25172749E+01	4.88708772E+01	5.66279582E+01	5.89966821E+01	1.111111
6.19854713E+01	7.32170338E+01	8.53283758E+01	1.01791110E+02	1.18213443E+02	1.111111
1.23009108E+02	1.28568810E+02	1.55015947E+02	1.91262607E+02	2.31734378E+02	1.111111
2.69141223E+02	2.81123840E+02	2.94439841E+02	3.46084878E+02	4.06668638E+02	1.111111
4.78703461E+02	5.53292583E+02	5.84572900E+02	6.15685989E+02	1.01394251E+03	1.111111
1.01394251E+03	1.01394251E+03	1.53957909E+03	1.63966992E+03	1.75980339E+03	1.111111
2.62406692E+03	2.80762792E+03	3.01521234E+03	4.55472199E+03	4.91168146E+03	1.111111
5.22071894E+03	8.14444366E+03	8.69679719E+03	9.25502397E+03	1.50608826E+04	1.111111
1.69005896E+04	2.88139267E+04	3.18666804E+04	5.70781800E+04	6.21774771E+04	1.111111
1.17478926E+05	1.26091279E+05	2.52805402E+05	2.67596935E+05	4.35863264E+05	1.111111
2.27540453E-19	4.19965033E-18	7.53203019E-17	1.33748032E-15	2.35125075E-14	1.111111
2.86030596E-13	3.43708987E-12	4.05893130E-11	3.30277512E-10	2.62009514E-09	1.111111
2.00956204E-08	1.06288663E-07	5.43554634E-07	2.68173534E-06	9.37322889E-06	1.111111
3.20885566E-05	1.07921634E-04	2.65541327E-04	6.49510250E-04	1.58250782E-03	1.111111
2.86229356E-03	5.17705353E-03	9.37257350E-03	1.26202343E-02	1.70063507E-02	1.111111
2.29411123E-02	3.08290354E-02	4.14759095E-02	5.58853637E-02	7.54654982E-02	1.111111
1.02226204E-01	1.39114287E-01	1.90624423E-01	2.64028631E-01	3.72203779E-01	1.111111
5.41566745E-01	8.43733903E-01	1.13377243E+00	1.56444150E+00	2.11121487E+00	1.111111
3.07264700E+00	4.29368834E+00	5.34693288E+00	6.14846646E+00	6.79216777E+00	1.111111
7.32380862E+00	7.77111703E+00	8.15265256E+00	8.48158049E+00	8.76761426E+00	1.111111
9.01817771E+00	9.23907221E+00	9.39061105E+00	9.53423962E+00	9.54905904E+00	1.111111
9.63026762E+00	9.66330131E+00	9.78160520E+00	9.90508808E+00	1.00349534E+01	1.111111
1.01725409E+01	1.03193793E+01	1.04772480E+01	1.06482604E+01	1.06952751E+01	1.111111

1.08349868E+01	1.10406248E+01	1.12692206E+01	1.15568992E+01	1.18906108E+01	111111
1.19455776E+01	1.19600286E+01	1.20036711E+01	1.20046903E+01	1.20703551E+01	111111
1.21064249E+01	1.21434473E+01	1.22002755E+01	1.22250105E+01	1.23162971E+01	111111
1.23656980E+01	1.24188150E+01	1.25070757E+01	1.25237254E+01	1.25343931E+01	111111
1.26294857E+01	1.26652695E+01	1.27853964E+01	1.28142153E+01	1.29156658E+01	111111
1.29847181E+01	1.30263145E+01	1.31504632E+01	1.31812180E+01	1.32541158E+01	111111
1.33126365E+01	1.33420336E+01	1.34348389E+01	1.34374157E+01	1.35129021E+01	111111
1.35794759E+01	1.36474623E+01	1.37052005E+01	1.37548124E+01	1.38044975E+01	111111
1.38101328E+01	1.38471039E+01	1.38840128E+01	1.38919423E+01	1.39117480E+01	111111
1.39205560E+01	1.39381863E+01	1.39522326E+01	1.39646599E+01	1.39799826E+01	111111
1.43519216E+01	1.44216589E+01	1.45015702E+01	1.51423852E+01	1.59987142E+01	111111
1.62970012E+01	1.70994466E+01	1.79852280E+01	1.82992574E+01	1.93372708E+01	111111
2.04835977E+01	2.18234431E+01	2.32681349E+01	2.43186186E+01	2.62580924E+01	111111
2.76884733E+01	2.90644050E+01	3.06652745E+01	3.42938607E+01	3.87627228E+01	111111
4.08674368E+01	4.25695266E+01	4.85980581E+01	5.53256636E+01	6.34830194E+01	111111
6.59635611E+01	6.90872800E+01	8.07763308E+01	9.33116077E+01	1.10269418E+02	111111
1.27121310E+02	1.32033465E+02	1.37724027E+02	1.64746691E+02	2.01700319E+02	111111
2.42901619E+02	2.80952872E+02	2.93137999E+02	3.06677334E+02	3.59175647E+02	111111
4.20740726E+02	4.93921104E+02	5.69673826E+02	6.01435377E+02	6.33023111E+02	111111
1.03698951E+03	1.10129122E+03	1.17228970E+03	1.78498432E+03	1.78498432E+03	111111
1.78498432E+03	2.65278639E+03	2.83699481E+03	3.04527833E+03	4.58917612E+03	111111
4.94700646E+03	5.25676477E+03	8.18622740E+03	8.73950586E+03	9.29862973E+03	111111
1.51122552E+04	1.69540144E+04	2.88812444E+04	3.19331755E+04	5.71599652E+04	111111
6.22618302E+04	1.17585567E+05	1.26200793E+05	2.52948433E+05	2.67743188E+05	111111
4.36040822E+05	2.96070142E-19	5.46648558E-18	9.81072462E-17	1.74429468E-15	111111
3.07347794E-14	3.75207132E-13	4.53520966E-12	5.40733007E-11	4.45567855E-10	111111
3.59881783E-09	2.82829320E-08	1.53404015E-07	8.07174253E-07	4.10215088E-06	111111
1.46638748E-05	5.11904618E-05	1.74768165E-04	4.33276556E-04	1.06404870E-03	111111
2.59336306E-03	4.68207422E-03	8.43961812E-03	1.52038371E-02	2.04104028E-02	111111
2.74115032E-02	3.68404908E-02	4.93112786E-02	6.60575305E-02	8.85990571E-02	111111
1.19053812E-01	1.60423361E-01	2.17074716E-01	2.95614598E-01	4.06636393E-01	111111
5.68720455E-01	8.19598082E-01	1.26042917E+00	1.67709632E+00	2.28642887E+00	111111
3.04673347E+00	4.35446122E+00	5.97248521E+00	7.33729475E+00	8.36000594E+00	111111
9.17263118E+00	9.83849930E+00	1.03953346E+01	1.08679581E+01	1.12737849E+01	111111
1.16255308E+01	1.19327933E+01	1.22030087E+01	1.23880385E+01	1.25631622E+01	111111
1.25812177E+01	1.26801150E+01	1.27203227E+01	1.28642175E+01	1.30142444E+01	111111
1.31718431E+01	1.33386081E+01	1.35163534E+01	1.37071882E+01	1.39136151E+01	111111
1.39703135E+01	1.41386724E+01	1.43861269E+01	1.46607276E+01	1.50055863E+01	111111
1.54046405E+01	1.54702720E+01	1.54875223E+01	1.55396075E+01	1.55408236E+01	111111
1.56191591E+01	1.56621729E+01	1.57063107E+01	1.57740386E+01	1.58035091E+01	111111
1.59122283E+01	1.59710331E+01	1.60342395E+01	1.61392128E+01	1.61590080E+01	111111
1.61716900E+01	1.62846951E+01	1.63272003E+01	1.64698137E+01	1.65040096E+01	111111
1.66243343E+01	1.67061851E+01	1.67554724E+01	1.69024916E+01	1.69388928E+01	111111
1.70251434E+01	1.70943526E+01	1.71291085E+01	1.72387862E+01	1.72418306E+01	111111
1.73309891E+01	1.74095840E+01	1.74898107E+01	1.75579160E+01	1.76164159E+01	111111
1.76749833E+01	1.76816248E+01	1.77251922E+01	1.77686759E+01	1.77780167E+01	111111
1.78013453E+01	1.78117191E+01	1.78324819E+01	1.78490221E+01	1.78636550E+01	111111
1.78816954E+01	1.83190913E+01	1.84009937E+01	1.84948034E+01	1.92454740E+01	111111
2.02443001E+01	2.05911388E+01	2.15216295E+01	2.25445113E+01	2.29061210E+01	111111
2.40978766E+01	2.54079979E+01	2.69318867E+01	2.85668746E+01	2.97507944E+01	111111
3.19265652E+01	3.35237061E+01	3.50544470E+01	3.68287906E+01	4.08275095E+01	111111
4.57138286E+01	4.80026364E+01	4.98482152E+01	5.63511950E+01	6.35550883E+01	111111
7.22297107E+01	7.48564213E+01	7.81581050E+01	9.04579350E+01	1.03571640E+02	111111
1.21216755E+02	1.38674591E+02	1.43752030E+02	1.49628714E+02	1.77469819E+02	111111
2.15420214E+02	2.57629804E+02	2.96551571E+02	3.09006636E+02	3.22841786E+02	111111
3.76453358E+02	4.39272706E+02	5.13891417E+02	5.91086202E+02	6.23440105E+02	111111
6.55610319E+02	1.06651530E+03	1.13184204E+03	1.20394864E+03	1.82527136E+03	111111
1.94258511E+03	2.08298974E+03	3.08195675E+03	3.08195675E+03	3.08195675E+03	111111
4.63123698E+03	4.99013453E+03	5.30077600E+03	2.3726487E+03	8.79167550E+03	111111
9.35189736E+03	1.51750273E+04	1.70192978E+04	2.89565908E+04	3.20144535E+04	111111
5.72599623E+04	6.23649722E+04	1.17716018E+05	1.26334767E+05	2.53123539E+05	111111
2.67922253E+05	4.36258377E+05	3.81273803E-19	7.04104803E-18	1.26417486E-16	111111
2.24933881E-15	3.96893397E-14	4.85572408E-13	5.89067829E-12	7.06621836E-11	111111
5.87028515E-10	4.79877706E-09	3.83620564E-08	2.11980216E-07	1.14073902E-06	111111
5.94597873E-06	2.17050230E-05	7.73059323E-05	2.68621372E-04	6.73152141E-04	111111
1.66656306E-03	4.08249799E-03	7.38236866E-03	1.33089072E-02	2.39443416E-02	111111

3.21056674E-02	4.30515506E-02	5.77502274E-02	7.71280256E-02	1.03057607E-01111111
1.37826049E-01	1.84602509E-01	2.47850912E-01	3.34023106E-01	4.52809709E-01111111
6.19625937E-01	8.61279024E-01	1.23169367E+00	1.87396877E+00	2.47274734E+00111111
3.33631784E+00	4.39679777E+00	6.18395092E+00	8.34204937E+00	1.01246390E+01111111
1.14410963E+01	1.24766317E+01	1.33188111E+01	1.40189899E+01	1.46105207E+01111111
1.51164853E+01	1.55536388E+01	1.59344913E+01	1.62686596E+01	1.64970699E+01111111
1.67129448E+01	1.67351853E+01	1.68569514E+01	1.69064307E+01	1.70833875E+01111111
1.72676885E+01	1.74610768E+01	1.76654772E+01	1.78830721E+01	1.81163921E+01111111
1.83684281E+01	1.84375904E+01	1.86427986E+01	1.89439854E+01	1.92776397E+01111111
1.96958417E+01	2.01786544E+01	2.02579493E+01	2.02787856E+01	2.03416851E+01111111
2.03431534E+01	2.04377155E+01	2.04896202E+01	2.05428670E+01	2.06245447E+01111111
2.06600748E+01	2.07910925E+01	2.08619228E+01	2.09380265E+01	2.10643561E+01111111
2.10881697E+01	2.11034246E+01	2.12393063E+01	2.12903929E+01	2.14617080E+01111111
2.15027655E+01	2.16471715E+01	2.17453487E+01	2.18044460E+01	2.19806339E+01111111
2.20242355E+01	2.21275131E+01	2.22103505E+01	2.22519390E+01	2.23831270E+01111111
2.23867674E+01	2.24933539E+01	2.25872704E+01	2.26830969E+01	2.27644133E+01111111
2.28342379E+01	2.29041214E+01	2.29120448E+01	2.29640141E+01	2.30158716E+01111111
2.30270096E+01	2.30548244E+01	2.30671920E+01	2.30919434E+01	2.31116590E+01111111
2.31290996E+01	2.31505998E+01	2.36712558E+01	2.37686182E+01	2.38800861E+01111111
2.47702281E+01	2.59498506E+01	2.63582269E+01	2.74507375E+01	2.86469002E+01111111
2.90686341E+01	3.04544468E+01	3.19709849E+01	3.37267374E+01	3.56012357E+01111111
3.69530279E+01	3.94261933E+01	4.12330316E+01	4.29585577E+01	4.49514131E+01111111
4.94169515E+01	5.48317686E+01	5.73539667E+01	5.93820382E+01	6.64903639E+01111111
7.43063269E+01	8.36522406E+01	8.64699111E+01	9.00048868E+01	1.03110835E+02111111
1.16995931E+02	1.35571758E+02	1.53854942E+02	1.59160228E+02	1.65291950E+02111111
1.94259553E+02	2.33582195E+02	2.77169197E+02	3.17267167E+02	3.30083983E+02111111
3.44314078E+02	3.99398500E+02	4.63852810E+02	5.40320480E+02	6.19347580E+02111111
6.52448942E+02	6.85351819E+02	1.10487965E+03	1.17147237E+03	1.24494721E+03111111
1.87693567E+03	1.99606123E+03	2.13856035E+03	3.15042724E+03	3.36282563E+03111111
3.60215185E+03	5.35486749E+03	5.35486749E+03	5.35486749E+03	8.30003335E+03111111
8.85584092E+03	9.41741735E+03	1.52522665E+04	1.70996322E+04	2.90531710E+04111111
3.21144982E+04	5.73830749E+04	6.24919607E+04	1.17876674E+05	1.26499765E+05111111
2.53339283E+05	2.68142883E+05	4.36526546E+05	4.88850097E-19	9.02528613E-18111111
1.62052627E-16	2.88460332E-15	5.09437533E-14	6.24127070E-13	7.58943333E-12111111
9.14023729E-11	7.63461891E-10	6.29240059E-09	5.09087532E-08	2.85162109E-07111111
1.56120538E-06	8.30676320E-06	3.08786726E-05	1.12048689E-04	3.96350846E-04111111
1.00523483E-03	2.51427680E-03	6.20829886E-03	1.12699675E-02	2.03710176E-02111111
3.66993981E-02	4.92172593E-02	6.59873471E-02	8.84743120E-02	1.18067090E-01111111
1.57582553E-01	2.10439236E-01	2.81352804E-01	3.76932523E-01	5.06679609E-01111111
6.84777768E-01	9.33639865E-01	1.29195331E+00	1.83690699E+00	2.77144290E+00111111
3.63251281E+00	4.85946782E+00	6.34510069E+00	8.80341026E+00	1.17073512E+01111111
1.40604130E+01	1.57749622E+01	1.71110660E+01	1.81901147E+01	1.90823198E+01111111
1.98327966E+01	2.04723955E+01	2.10233346E+01	2.15021093E+01	2.19212907E+01111111
2.22073306E+01	2.24773194E+01	2.25051154E+01	2.26572331E+01	2.27190143E+01111111
2.29398186E+01	2.31695447E+01	2.34103406E+01	2.36645684E+01	2.39348954E+01111111
2.42244051E+01	2.45367327E+01	2.46223671E+01	2.48762655E+01	2.52484232E+01111111
2.56600129E+01	2.61748903E+01	2.67679863E+01	2.68652619E+01	2.68908169E+01111111
2.69679456E+01	2.69697458E+01	2.70856557E+01	2.71492560E+01	2.72144848E+01111111
2.73145104E+01	2.73580097E+01	2.75183524E+01	2.76049955E+01	2.76980576E+01111111
2.78524653E+01	2.78815616E+01	2.79001989E+01	2.80661520E+01	2.81285176E+01111111
2.83375489E+01	2.83876210E+01	2.85636574E+01	2.86832721E+01	2.87552476E+01111111
2.89697129E+01	2.90227606E+01	2.91483706E+01	2.92490785E+01	2.92996246E+01111111
2.94590085E+01	2.94634300E+01	2.95928555E+01	2.97068468E+01	2.98231094E+01111111
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3.69736798E+01	3.74735821E+01	3.91115895E+01	4.08963190E+01	4.29527939E+01111111
4.51377414E+01	4.67070709E+01	4.95651490E+01	5.16434205E+01	5.36210082E+01111111
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8.00529563E+01	8.86696916E+01	9.88961945E+01	1.01965738E+02	1.05808019E+02111111
1.19981557E+02	1.34897541E+02	1.54723370E+02	1.74126307E+02	1.79737364E+02111111
1.86216663E+02	2.16719697E+02	2.57910991E+02	3.03371376E+02	3.45060446E+02111111
3.58364957E+02	3.73125790E+02	4.30178418E+02	4.96796982E+02	5.75687968E+02111111
6.57093196E+02	6.91159156E+02	7.25004745E+02	1.15549021E+03	1.22367892E+03111111
1.29887722E+03	1.94429853E+03	2.06571327E+03	2.21086193E+03	3.23915505E+03111111

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2.91736628E+04 3.22393188E+04 5.75367123E+04 6.26504396E+04 1.18077209E+05111111
1.26705727E+05 2.53608657E+05 2.68418366E+05 4.36861468E+05 6.27570802E-19111111
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1.77348725E-01 2.36701434E-01 3.15995003E-01 4.22209246E-01 5.65089160E-01111111
7.58584132E-01 1.02341604E+00 1.39215134E+00 1.92065546E+00 2.71961765E+00111111
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1.96200332E-01 2.62184560E-01 3.50218400E-01 4.67799643E-01 6.25210993E-01111111
8.36768389E-01 1.12289810E+00 1.51382789E+00 2.05685985E+00 2.83272489E+00111111
4.00045616E+00 5.97215617E+00 7.75776495E+00 1.02557266E+01 1.32142517E+01111111
1.79687155E+01 2.33862321E+01 2.76376470E+01 3.06656620E+01 3.29877643E+01111111
3.48406327E+01 3.63581026E+01 3.76248157E+01 3.86976163E+01 3.96167851E+01111111
4.04119359E+01 4.11054542E+01 4.15772979E+01 4.20216374E+01 4.20673271E+01111111
4.23171858E+01 4.24185747E+01 4.27805183E+01 4.31563942E+01 4.35496243E+01111111
4.39639510E+01 4.44035818E+01 4.48733566E+01 4.53789622E+01 4.55173771E+01111111
4.59272354E+01 4.65265755E+01 4.71874794E+01 4.80114083E+01 4.89566373E+01111111
4.91112759E+01 4.91518824E+01 4.92743934E+01 4.92772521E+01 4.94612323E+01111111
4.95621179E+01 4.96655389E+01 4.98240368E+01 4.98929295E+01 5.01466903E+01111111
5.02836930E+01 5.04307525E+01 5.06745411E+01 5.07204509E+01 5.07498531E+01111111
5.10114933E+01 5.11097415E+01 5.14387371E+01 5.15174768E+01 5.17940886E+01111111
5.19818572E+01 5.20947704E+01 5.24308976E+01 5.25139643E+01 5.27105398E+01111111
5.28680265E+01 5.29470310E+01 5.31959785E+01 5.32028809E+01 5.34048368E+01111111
5.35825670E+01 5.37637008E+01 5.39172413E+01 5.40489619E+01 5.41806822E+01111111
5.41956098E+01 5.42934828E+01 5.43910845E+01 5.44120395E+01 5.44643580E+01111111
5.44876153E+01 5.45341500E+01 5.45712072E+01 5.46039810E+01 5.46443738E+01111111
5.56194078E+01 5.58010772E+01 5.60088140E+01 5.76582196E+01 5.98190343E+01111111
6.05607652E+01 6.25298010E+01 6.46610951E+01 6.54066832E+01 6.78364479E+01111111

7.04615444E+01	7.34592046E+01	7.66142584E+01	7.88625442E+01	8.29212499E+01	111111
8.58451906E+01	8.86074706E+01	9.17632977E+01	9.87134042E+01	1.06942991E+02	111111
1.10711156E+02	1.13713886E+02	1.24065629E+02	1.35180693E+02	1.48165131E+02	111111
1.52024158E+02	1.56831978E+02	1.74374150E+02	1.92550999E+02	2.16355544E+02	111111
2.39337440E+02	2.45934759E+02	2.53527579E+02	2.88969029E+02	3.36194719E+02	111111
3.87690239E+02	4.34488883E+02	4.49354173E+02	4.65813437E+02	5.29126872E+02	111111
6.02576463E+02	6.89032624E+02	7.77794180E+02	8.14824200E+02	8.51551550E+02	111111
1.31498427E+03	1.38790609E+03	1.46820373E+03	2.15317959E+03	2.28133865E+03	111111
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6.23839302E+03	6.59811193E+03	9.94406780E+03	1.05677134E+04	1.11959737E+04	111111
1.76456646E+04	1.96666771E+04	3.26003586E+04	3.26003586E+04	5.79814515E+04	111111
6.31092319E+04	1.18658025E+05	1.27302283E+05	2.54389147E+05	2.69216573E+05	111111
4.37832117E+05	1.05651627E-18	1.94214970E-17	3.47448290E-16	6.16713233E-15	111111
1.08725728E-13	1.33177007E-12	1.62202101E-11	1.96076784E-10	1.64915604E-09	111111
1.37567531E-08	1.13406956E-07	6.49734126E-07	3.66684400E-06	2.02886390E-05	111111
7.83015948E-05	2.96339391E-04	1.09623547E-03	2.87568645E-03	7.42919850E-03	111111
1.88948097E-02	3.49048730E-02	6.40636928E-02	1.16896516E-01	1.57610794E-01	111111
2.12295668E-01	2.85748594E-01	3.82494141E-01	5.11674981E-01	6.84309148E-01	111111
9.15484272E-01	1.22616608E+00	1.64619971E+00	2.21962740E+00	3.01513860E+00	111111
4.14949590E+00	5.85165488E+00	8.71161861E+00	1.12866090E+01	1.48653418E+01	111111
1.90697325E+01	2.57519078E+01	3.32602390E+01	3.90780822E+01	4.31839502E+01	111111
4.63121541E+01	4.87959311E+01	5.08221259E+01	5.25081077E+01	5.39322770E+01	111111
5.51498230E+01	5.62010988E+01	5.71164725E+01	5.77384734E+01	5.83236495E+01	111111
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6.89299631E+01	6.91073416E+01	6.92976890E+01	6.96131196E+01	6.96725043E+01	111111
6.97105335E+01	7.00488469E+01	7.01758417E+01	7.06009211E+01	7.07026161E+01	111111
7.10597450E+01	7.13020597E+01	7.14477312E+01	7.18811876E+01	7.19882645E+01	111111
7.22415924E+01	7.24444792E+01	7.25462367E+01	7.28667835E+01	7.28756690E+01	111111
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7.41332763E+01	7.41524592E+01	7.42782129E+01	7.44035967E+01	7.44305137E+01	111111
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2.65883916E+02	2.91695544E+02	2.99073243E+02	3.07548244E+02	3.46904676E+02	111111
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9.52103039E+02	1.44055719E+03	1.51703528E+03	1.60115362E+03	2.31552668E+03	111111
2.44867427E+03	2.60742279E+03	3.72101989E+03	3.95223384E+03	4.21187703E+03	111111
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6.34431445E+04	6.34431445E+04	1.19081168E+05	1.27736927E+05	2.54958112E+05	111111
2.69798472E+05	4.38539887E+05	1.39414351E-18	2.55615571E-17	4.56188350E-16	111111
8.07911229E-15	1.42145061E-13	1.73851636E-12	2.11485942E-11	2.55008880E-10	111111
2.14236154E-09	1.78879731E-08	1.47804287E-07	8.49732956E-07	4.82107614E-06	111111
2.68783317E-05	1.04560876E-04	3.99558799E-04	1.49475615E-03	3.95746442E-03	111111
1.03230297E-02	2.65113206E-02	4.92862004E-02	9.10094679E-02	1.67009947E-01	111111
2.25777174E-01	3.04878670E-01	4.11333859E-01	5.51786507E-01	7.39603373E-01	111111
9.90906553E-01	1.32775776E+00	1.78078151E+00	2.39350729E+00	3.23004891E+00	111111
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6.11533248E+01	6.54239538E+01	6.88005473E+01	7.15459092E+01	7.38239711E+01	111111
7.57439715E+01	7.73823209E+01	7.87946616E+01	8.00227014E+01	8.08562172E+01	111111
8.16396947E+01	8.17201779E+01	8.21600528E+01	8.23384245E+01	8.29746097E+01	111111
8.36343347E+01	8.43234899E+01	8.50484855E+01	8.58164951E+01	8.66357343E+01	111111
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7.91956246E+01 8.70201782E+01 9.29216071E+01 9.75711631E+01 1.01341046E+02111111
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2.65295846E+01 3.42922104E+01 4.49622845E+01 5.73126758E+01 7.65297965E+01111111

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1.64680878E+02	1.65870437E+02	1.67102688E+02	1.68388476E+02	1.69739562E+02111111
1.71169072E+02	1.72692005E+02	1.74325824E+02	1.74772147E+02	1.76091350E+02111111
1.78014029E+02	1.80125474E+02	1.82745087E+02	1.85733310E+02	1.86220466E+02111111
1.86348309E+02	1.86733814E+02	1.86742805E+02	1.87321163E+02	1.87638020E+02111111
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1.92473569E+02	1.93495473E+02	1.93739737E+02	1.94596888E+02	1.95177899E+02111111
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2.00658312E+02	2.01127786E+02	2.01530196E+02	2.01932286E+02	2.01977834E+02111111
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2.03009714E+02	2.03122538E+02	2.03222300E+02	2.03345228E+02	2.06303590E+02111111
2.06852908E+02	2.07480325E+02	2.12434920E+02	2.18854182E+02	2.21039480E+02111111
2.26797142E+02	2.32959876E+02	2.35099141E+02	2.42012152E+02	2.49383573E+02111111
2.57683762E+02	2.66290213E+02	2.72345393E+02	2.83120908E+02	2.90765636E+02111111
2.97901027E+02	3.05954514E+02	3.23342508E+02	3.43364712E+02	3.52344172E+02111111
3.59420388E+02	3.83318046E+02	4.08198823E+02	4.36375575E+02	4.44583473E+02111111
4.54710768E+02	4.90817619E+02	5.27002367E+02	5.72813774E+02	6.15625881E+02111111
6.27692647E+02	6.41467852E+02	7.04340116E+02	7.85089531E+02	8.70070236E+02111111
9.45112233E+02	9.68581233E+02	9.94378784E+02	1.09200003E+03	1.20252044E+03111111
1.32963008E+03	1.45740986E+03	1.51003068E+03	1.56187132E+03	2.19323151E+03111111
2.28968282E+03	2.39518502E+03	3.27201724E+03	3.43244222E+03	3.62272364E+03111111
4.93356435E+03	5.20149568E+03	5.50093858E+03	7.63225657E+03	8.10915986E+03111111
8.51798270E+03	1.22491895E+04	1.29335407E+04	1.36202248E+04	2.05556209E+04111111
2.26993349E+04	3.62553829E+04	3.96700592E+04	6.74070481E+04	7.29502679E+04111111
1.32307256E+05	1.41464191E+05	2.74752551E+05	2.90190634E+05	4.64813840E+05111111
4.96490190E-18	8.98835852E-17	1.58515270E-15	2.77640394E-14	4.83567455E-13111111
5.87152835E-12	7.09624988E-11	8.23868482E-10	6.71375596E-09	5.56575547E-08111111
4.57249459E-07	2.62530368E-06	1.49506684E-05	8.42484368E-05	3.32629467E-04111111
1.29829228E-03	4.99373800E-03	1.35538421E-02	3.63474104E-02	9.61711171E-02111111
1.82507508E-01	3.44097270E-01	6.44593341E-01	8.80224681E-01	1.20060259E+00111111
1.63583871E+00	2.21506085E+00	2.99675762E+00	4.05055339E+00	5.47513873E+00111111
7.40458591E+00	1.00326916E+01	1.36455967E+01	1.86818713E+01	2.58967252E+01111111
3.67443618E+01	5.49257174E+01	7.11892309E+01	9.35510803E+01	1.19358882E+02111111
1.59285203E+02	2.02645144E+02	2.35157268E+02	2.57538321E+02	2.74269770E+02111111
2.87375013E+02	2.97943138E+02	3.06652937E+02	3.13953605E+02	3.20155419E+02111111
3.25480404E+02	3.30093715E+02	3.33216094E+02	3.36144591E+02	3.36445065E+02111111
3.38086147E+02	3.38751052E+02	3.41119888E+02	3.43572042E+02	3.46128917E+02111111
3.48813698E+02	3.51652310E+02	3.54674292E+02	3.57913834E+02	3.58798357E+02111111
3.61411626E+02	3.65217182E+02	3.69391569E+02	3.74563373E+02	3.80453523E+02111111
3.81412838E+02	3.81664545E+02	3.82423455E+02	3.82441169E+02	3.83579401E+02111111
3.8420844E+02	3.84841431E+02	3.85819069E+02	3.86243622E+02	3.87805409E+02111111
3.88647289E+02	3.89549944E+02	3.91043997E+02	3.91325028E+02	3.91504959E+02111111
3.93104238E+02	3.93703925E+02	3.95708690E+02	3.96187736E+02	3.97868315E+02111111
3.99007095E+02	3.99691112E+02	4.01723892E+02	4.02225458E+02	4.03411159E+02111111
4.04359825E+02	4.04835309E+02	4.06331758E+02	4.06373205E+02	4.07585080E+02111111
4.08650073E+02	4.09734006E+02	4.10651661E+02	4.11438063E+02	4.12223680E+02111111
4.12312664E+02	4.12895834E+02	4.13476955E+02	4.13601672E+02	4.13912946E+02111111
4.14051280E+02	4.14327994E+02	4.14548280E+02	4.14743053E+02	4.14983039E+02111111
4.20753817E+02	4.21824392E+02	4.23046822E+02	4.32687181E+02	4.45140312E+02111111
4.49368533E+02	4.60487783E+02	4.72353906E+02	4.76463724E+02	4.89712565E+02111111
5.03785930E+02	5.19568816E+02	5.35863075E+02	5.47282369E+02	5.67512983E+02111111
5.81797846E+02	5.95081934E+02	6.10016561E+02	6.42053156E+02	6.78609522E+02111111
6.94890819E+02	7.07672828E+02	7.50541054E+02	7.94687780E+02	8.44094394E+02111111
8.58377472E+02	8.75934439E+02	9.37957279E+02	9.99272784E+02	1.07578603E+03111111
1.14625765E+03	1.16595305E+03	1.18835095E+03	1.28947211E+03	1.41693047E+03111111
1.54839254E+03	1.66252137E+03	1.69787491E+03	1.73655773E+03	1.88137179E+03111111
2.04266176E+03	2.22512925E+03	2.40573772E+03	2.47938114E+03	2.55154097E+03111111
3.40524400E+03	3.53225819E+03	3.67037922E+03	4.79110362E+03	4.99197534E+03111111
5.22881412E+03	6.82815909E+03	7.14940685E+03	7.50648168E+03	9.99979149E+03111111
1.05484459E+04	1.10167566E+04	1.52213203E+04	1.59819260E+04	1.67424453E+04111111
2.43110290E+04	2.66166823E+04	4.09791573E+04	4.45570220E+04	7.33324842E+04111111
7.90429531E+04	1.39780400E+05	1.49112647E+05	2.84557714E+05	3.00212871E+05111111

4.76968277E+05 1.01511150E-17 1.82908085E-16 3.21120882E-15 5.60084208E-14111111
9.71810226E-13 1.17700405E-11 1.41949507E-10 1.61615896E-09 1.29380601E-08111111
1.06655306E-07 8.70198646E-07 4.96687923E-06 2.81290039E-05 1.57784581E-04111111
6.21459083E-04 2.42403667E-03 9.33987138E-03 2.54292929E-02 6.85195363E-02111111
1.82477059E-01 3.48116835E-01 6.60233590E-01 1.24466260E+00 1.70508563E+00111111
2.33375035E+00 3.19104318E+00 4.33551765E+00 5.88750202E+00 7.98533871E+00111111
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6.82568627E+02 6.94089802E+02 7.04066132E+02 7.10815658E+02 7.17144177E+02111111
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7.98268145E+04 1.15713959E+05 1.22536151E+05 1.90958685E+05 2.01076530E+05111111
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3.51574772E+01 4.82347076E+01 6.60909703E+01 9.05983941E+01 1.24248827E+02111111
1.70669368E+02 2.35449481E+02 3.26748378E+02 4.59438337E+02 6.61648051E+02111111
1.00473943E+03 1.31513347E+03 1.74532614E+03 2.24528235E+03 3.02458904E+03111111
3.86938488E+03 4.50138026E+03 4.93683993E+03 5.26217176E+03 5.51537012E+03111111
5.71892002E+03 5.88635467E+03 6.02647523E+03 6.14534453E+03 6.24731389E+03111111
6.33560607E+03 6.39533926E+03 6.45134418E+03 6.45708950E+03 6.48846433E+03111111
6.50117458E+03 6.54644914E+03 6.59330350E+03 6.64214493E+03 6.69341348E+03111111
6.74759830E+03 6.80525610E+03 6.86703344E+03 6.88389554E+03 6.93369988E+03111111
7.00619360E+03 7.08567702E+03 7.18410515E+03 7.29613442E+03 7.31437296E+03111111
7.31915808E+03 7.33358450E+03 7.33392094E+03 7.35555591E+03 7.36740456E+03111111
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3.47167180E+04	3.47281279E+04	3.47509506E+04	3.47691184E+04	3.47851814E+04111111
3.48049724E+04	3.52806075E+04	3.53687874E+04	3.54694518E+04	3.62624180E+04111111
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4.08994131E+04	4.20279220E+04	4.32866897E+04	4.45790891E+04	4.54808390E+04111111
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6.78774123E+04	6.89006944E+04	7.01513366E+04	7.45090546E+04	7.87304182E+04111111
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1.05540456E+05	1.13345307E+05	1.19875456E+05	1.21857546E+05	1.24005737E+05111111
1.31866542E+05	1.40308309E+05	1.49497138E+05	1.58247532E+05	1.61723974E+05111111
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2.57687625E+05	2.65115263E+05	3.10754198E+05	3.19149831E+05	3.28212192E+05111111
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1.01787406E+06	1.05365922E+06	1.37052370E+06	1.41227472E+06	1.91757626E+06111111
1.96788997E+06	2.47216108E+06	2.90712371E-16	5.35060160E-15	9.57837214E-14111111
1.70057106E-12	2.99847843E-11	3.67410166E-10	4.48009427E-09	5.43487311E-08111111
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6.33590180E-03	2.56158458E-02	1.02976202E-01	4.11219500E-01	1.15574456E+00111111
3.23195648E+00	8.98827309E+00	1.77180630E+01	3.48361021E+01	6.83228090E+01111111
9.56049695E+01	1.33747313E+02	1.87083185E+02	2.60165957E+02	3.61758371E+02111111
5.02900648E+02	6.99592259E+02	9.74321555E+02	1.36024311E+03	1.90766469E+03111111
2.69481027E+03	3.85588311E+03	5.65547222E+03	8.76695483E+03	1.16177896E+04111111
1.56087940E+04	2.02807088E+04	2.76072138E+04	3.55815029E+04	4.15573865E+04111111
4.56734073E+04	4.87432242E+04	5.11354679E+04	5.30591965E+04	5.46414515E+04111111
5.59653012E+04	5.70880948E+04	5.80510267E+04	5.88846146E+04	5.94484682E+04111111
5.99770522E+04	6.00312733E+04	6.03273574E+04	6.04472971E+04	6.08744969E+04111111
6.13165510E+04	6.177472954E+04	6.22608733E+04	6.27718884E+04	6.33155785E+04111111
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7.34732754E+04	7.36130782E+04	7.36289114E+04	7.37326726E+04	7.38360580E+04111111
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1.37742714E+05	1.45468635E+05	1.47675503E+05	1.50372680E+05	1.59769072E+05111111
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3.77054738E+06	3.86194956E+06	4.76270107E+06	5.21955016E-16	9.62830810E-15111111
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1.59594921E+05 1.59671510E+05 1.59765875E+05 1.62033893E+05 1.62454403E+05111111
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4.30974892E+05 4.61921015E+05 4.99706370E+05 5.37248185E+05 5.68686397E+05111111
5.78223523E+05 5.88555753E+05 6.26323330E+05 6.66809692E+05 7.10801145E+05111111
7.52628890E+05 7.69231418E+05 7.85260152E+05 9.58863080E+05 9.82443957E+05111111
1.00752492E+06 1.19301431E+06 1.22340010E+06 1.25829668E+06 1.47184000E+06111111
1.51081520E+06 1.55276896E+06 1.81415607E+06 1.86576651E+06 1.90844035E+06111111
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3.55170358E+06 3.68447806E+06 4.56728793E+06 4.71515652E+06 5.99453298E+06111111
6.15919003E+06 8.08727194E+06 8.27369081E+06 1.00900276E+07 9.97503066E-16111111
1.84191659E-14 3.30799278E-13 5.89212467E-12 1.04227508E-10 1.28074311E-09111111
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6.69822824E-04 3.90538526E-03 2.26411356E-02 9.19223369E-02 3.71377745E-01111111
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1.30436571E+02 2.57731621E+02 3.62150731E+02 5.08862615E+02 7.15139045E+02111111
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1.98167869E+02	2.02647461E+02	2.12943265E+02	2.25844324E+02	2.31987848E+02111111
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3.16404109E+02	3.51648084E+02	3.89239355E+02	4.39521701E+02	4.88676075E+02111111
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8.97299513E+02	8.48632958E+02	7.97728831E+02	9.05416903E+02	1.02611831E+03111111
1.16272100E+03	1.29729173E+03	1.35186890E+03	1.40515223E+03	2.01734550E+03111111
2.10541028E+03	2.20027630E+03	2.93803452E+03	3.06471971E+03	3.21218466E+03111111
4.16008399E+03	4.34178929E+03	4.54087813E+03	5.85924525E+03	6.13504962E+03111111
6.36689254E+03	8.32706695E+03	8.66200297E+03	8.99184034E+03	1.20491856E+04111111
1.29160569E+04	1.78498433E+04	1.89816616E+04	2.71685324E+04	2.86480236E+04111111
4.26019550E+04	4.45339491E+04	6.89733666E+04	7.14886454E+04	9.71937687E+04211111
1.07308333E+05	1.06141268E+05	1.04721120E+05	1.02831925E+05	1.00116872E+05211111
9.66226416E+05	9.15363226E+05	8.42702733E+05	7.59918827E+05	6.58960622E+05111111
5.45621697E+05	4.49002368E+05	3.57488102E+05	2.76473431E+05	2.21327130E+05111111
1.75244303E+05	1.37790881E+05	1.14810421E+05	9.56709801E+04	7.98626665E+04111111
7.09285115E+05	6.31153468E+05	5.62929679E+05	5.32150367E+05	5.03399141E+05111111
4.76536642E+05	4.51850805E+05	4.28788411E+05	4.07232720E+05	3.87065090E+05111111
3.68166963E+05	3.50415953E+05	3.33678825E+05	3.17798091E+05	3.02562288E+05111111

2.87627117E+00	2.72214570E+00	2.63290811E+00	2.54824191E+00	2.48189365E+00	1.11111111
2.41770020E+00	2.38122512E+00	2.37003453E+00	2.36901295E+00	2.37150632E+00	1.11111111
2.37531499E+00	2.37954379E+00	2.38379154E+00	2.38787710E+00	2.39171850E+00	1.11111111
2.39528781E+00	2.39858320E+00	2.40092025E+00	2.40318990E+00	2.40342702E+00	1.11111111
2.40473601E+00	2.40527305E+00	2.40721754E+00	2.40928181E+00	2.41149039E+00	1.11111111
2.41387084E+00	2.41645604E+00	2.41928493E+00	2.42240533E+00	2.42327306E+00	1.11111111
2.42587551E+00	2.42977061E+00	2.43418786E+00	2.43987147E+00	2.44662465E+00	1.11111111
2.44775273E+00	2.44805008E+00	2.44895003E+00	2.44897108E+00	2.45033039E+00	1.11111111
2.45107898E+00	2.45184998E+00	2.45303752E+00	2.45355561E+00	2.45547407E+00	1.11111111
2.45651673E+00	2.45764227E+00	2.45952086E+00	2.45987639E+00	2.46010436E+00	1.11111111
2.46214274E+00	2.46291341E+00	2.46550946E+00	2.46613507E+00	2.46834516E+00	1.11111111
2.46985674E+00	2.47077042E+00	2.47350640E+00	2.47418746E+00	2.47580529E+00	1.11111111
2.47710972E+00	2.47776588E+00	2.47984249E+00	2.47990030E+00	2.48159647E+00	1.11111111
2.48309808E+00	2.48463800E+00	2.48594705E+00	2.48707676E+00	2.48820946E+00	1.11111111
2.48833811E+00	2.48918322E+00	2.49002957E+00	2.49021010E+00	2.49066435E+00	1.11111111
2.49086565E+00	2.49127202E+00	2.49159459E+00	2.49187969E+00	2.49223216E+00	1.11111111
2.50085434E+00	2.50248587E+00	2.50435832E+00	2.51959466E+00	2.54046957E+00	1.11111111
2.54785994E+00	2.56804659E+00	2.59077563E+00	2.59894293E+00	2.62626503E+00	1.11111111
2.65697980E+00	2.69351473E+00	2.73355052E+00	2.76301219E+00	2.81809917E+00	1.11111111
2.85921108E+00	2.89910189E+00	2.94580671E+00	3.05287086E+00	3.18623989E+00	1.11111111
3.24948030E+00	3.30077736E+00	3.48319715E+00	3.68749315E+00	3.93526371E+00	1.11111111
4.01050708E+00	4.10514912E+00	4.45767872E+00	4.83210264E+00	5.33143839E+00	1.11111111
5.81874744E+00	5.95907684E+00	6.12067028E+00	6.87395111E+00	7.86787744E+00	1.11111111
8.93071322E+00	9.87403831E+00	1.01689818E+01	1.04928716E+01	1.17130822E+01	1.11111111
1.30790310E+01	1.46237608E+01	1.61450143E+01	1.53498601E+01	1.46154356E+01	1.11111111
2.07378295E+01	2.16184983E+01	2.25671745E+01	2.99447442E+01	3.12115796E+01	1.11111111
3.26862071E+01	4.21650138E+01	4.39820261E+01	4.59728691E+01	5.91562304E+01	1.11111111
6.19142091E+01	6.42325839E+01	8.38338810E+01	8.71831674E+01	9.04814693E+01	1.11111111
1.21054288E+02	1.29722830E+02	1.79059779E+02	1.90377762E+02	2.72245104E+02	1.11111111
2.8039780E+02	4.26576974E+02	4.45896632E+02	6.90287363E+02	7.15439806E+02	1.11111111
9.72487580E+02	1.40551468E+02	1.38925060E+02	1.37109992E+02	1.34929733E+02	1.11111111
1.32090485E+02	1.28681578E+02	1.23882610E+02	1.17009144E+02	1.08894764E+02	1.11111111
9.83683497E+01	8.54960237E+01	7.34570054E+01	6.09872944E+01	4.89493409E+01	1.11111111
4.01509885E+01	3.23869700E+01	2.57817824E+01	2.15920023E+01	1.80208659E+01	1.11111111
1.50147180E+01	1.32931703E+01	1.17743813E+01	1.04382444E+01	9.83246717E+00	1.11111111
9.26496641E+00	8.73333872E+00	8.24360993E+00	7.78508284E+00	7.35564269E+00	1.11111111
6.95309346E+00	6.57519989E+00	6.21960684E+00	5.88369910E+00	5.56432223E+00	1.11111111
5.25716250E+00	4.95507892E+00	4.64170066E+00	4.45885793E+00	4.28339191E+00	1.11111111
4.14288999E+00	3.99980816E+00	3.90592108E+00	3.86357690E+00	3.84532860E+00	1.11111111
3.83675243E+00	3.83283946E+00	3.83138164E+00	3.83128115E+00	3.83194049E+00	1.11111111
3.83302367E+00	3.83433073E+00	3.83574048E+00	3.83683916E+00	3.83797502E+00	1.11111111
3.83809736E+00	3.83878445E+00	3.83907192E+00	3.84013839E+00	3.84131154E+00	1.11111111
3.84260920E+00	3.84405313E+00	3.84566984E+00	3.84749206E+00	3.84956066E+00	1.11111111
3.85014614E+00	3.85192763E+00	3.85465967E+00	3.85784352E+00	3.86205747E+00	1.11111111
3.86721565E+00	3.86809165E+00	3.86832312E+00	3.86902527E+00	3.86904172E+00	1.11111111
3.87010702E+00	3.87069658E+00	3.87130481E+00	3.87224471E+00	3.87265596E+00	1.11111111
3.87418600E+00	3.87502182E+00	3.87592636E+00	3.87744340E+00	3.87773151E+00	1.11111111
3.87791638E+00	3.87957488E+00	3.88020382E+00	3.88233459E+00	3.88285020E+00	1.11111111
3.88467831E+00	3.88593413E+00	3.88669507E+00	3.88898564E+00	3.88955754E+00	1.11111111
3.89092005E+00	3.89202085E+00	3.89257608E+00	3.89433882E+00	3.89438798E+00	1.11111111
3.89583457E+00	3.89711753E+00	3.89843540E+00	3.89956133E+00	3.90053229E+00	1.11111111
3.90151035E+00	3.90161998E+00	3.90235158E+00	3.90308280E+00	3.90324018E+00	1.11111111
3.90363362E+00	3.90380819E+00	3.90415938E+00	3.90444010E+00	3.90468772E+00	1.11111111
3.90499419E+00	3.91254153E+00	3.91397746E+00	3.91563521E+00	3.92923953E+00	1.11111111
3.94823234E+00	3.95504454E+00	3.97382157E+00	3.99523467E+00	4.00298012E+00	1.11111111
4.02910137E+00	4.05876180E+00	4.09431818E+00	4.13359394E+00	4.16266961E+00	1.11111111
4.21723078E+00	4.25812405E+00	4.29785983E+00	4.34454498E+00	4.45166745E+00	1.11111111
4.58534434E+00	4.64875260E+00	4.70014607E+00	4.88278999E+00	5.08699659E+00	1.11111111
5.33407241E+00	5.40898260E+00	5.50312728E+00	5.85317569E+00	6.22405774E+00	1.11111111
6.71771423E+00	7.19887323E+00	7.33736836E+00	7.49683819E+00	8.24014752E+00	1.11111111
9.22142487E+00	1.02719416E+01	1.12055321E+01	1.14976641E+01	1.18185885E+01	1.11111111
1.30287114E+01	1.43851983E+01	1.59211645E+01	1.74354244E+01	1.80499092E+01	1.11111111
1.86500255E+01	2.55571008E+01	2.44223882E+01	2.32752073E+01	3.06531732E+01	1.11111111
3.19200327E+01	3.33946788E+01	4.28734614E+01	4.46904525E+01	4.66812688E+01	1.11111111
5.98644044E+01	6.26223308E+01	6.49406612E+01	8.45415826E+01	8.78908064E+01	1.11111111
9.11890473E+01	1.21761330E+02	1.30429733E+02	1.79765938E+02	1.91083763E+02	1.11111111

2.72950042E+02	2.87744537E+02	4.27280139E+02	4.46599588E+02	6.90987800E+02111111
7.16139994E+02	9.73185276E+02	1.78470351E+02	1.76168019E+02	1.73726564E+02111111
1.70997342E+02	1.67738983E+02	1.64128779E+02	1.59339605E+02	1.52700764E+02111111
1.44875284E+02	1.34460471E+02	1.21061269E+02	1.07681765E+02	9.27916220E+01111111
7.72639045E+01	6.51042456E+01	5.37447095E+01	4.35781715E+01	3.68754914E+01111111
3.10006009E+01	2.59369274E+01	2.29878489E+01	2.03562815E+01	1.80182002E+01111111
1.69511384E+01	1.59475675E+01	1.50040181E+01	1.41319392E+01	1.33129350E+01111111
1.25437233E+01	1.18207884E+01	1.11404600E+01	1.04987662E+01	9.89118069E+00111111
9.31210008E+00	8.75368430E+00	8.20272129E+00	7.62849214E+00	7.29145352E+00111111
6.96548146E+00	6.70101766E+00	6.42421881E+00	6.23066763E+00	6.13259229E+00111111
6.08265222E+00	6.05322152E+00	6.03445317E+00	6.02186076E+00	6.01310258E+00111111
6.00684930E+00	6.00229119E+00	5.99891566E+00	5.99638631E+00	5.99487894E+00111111
5.99361316E+00	5.99349133E+00	5.99285216E+00	5.99260578E+00	5.99178671E+00111111
5.99103473E+00	5.99035371E+00	5.98975137E+00	5.98923953E+00	5.98883431E+00111111
5.98855804E+00	5.98851080E+00	5.98844133E+00	5.98852605E+00	5.98886981E+00111111
5.98965626E+00	5.99103334E+00	5.99130543E+00	5.99137903E+00	5.99160645E+00111111
5.99161185E+00	5.99196878E+00	5.99217216E+00	5.99238624E+00	5.99272531E+00111111
5.99287680E+00	5.99345618E+00	5.99378286E+00	5.99414427E+00	5.99476782E+00111111
5.99488862E+00	5.99496655E+00	5.99567921E+00	5.99595570E+00	5.99691648E+00111111
5.99715436E+00	5.99801413E+00	5.99861902E+00	5.99899098E+00	6.00013452E+00111111
6.00042554E+00	6.00112710E+00	6.00170228E+00	6.00199523E+00	6.00293727E+00111111
6.00296380E+00	6.00374976E+00	6.00445694E+00	6.00519246E+00	6.00582755E+00111111
6.00638085E+00	6.00694189E+00	6.00700596E+00	6.00742852E+00	6.00785413E+00111111
6.00794605E+00	6.00817641E+00	6.00827920E+00	6.00848558E+00	6.00865061E+00111111
6.00879706E+00	6.00897822E+00	6.01356466E+00	6.01446389E+00	6.01550890E+00111111
6.02443224E+00	6.03773340E+00	6.04269836E+00	6.05681145E+00	6.07354560E+00111111
6.07973854E+00	6.10106883E+00	6.12599169E+00	6.15664403E+00	6.19123018E+00111111
6.21721846E+00	6.26674750E+00	6.30433468E+00	6.34118222E+00	6.38481607E+00111111
6.48597354E+00	6.61359773E+00	6.67449822E+00	6.72400999E+00	6.90065953E+00111111
7.09907400E+00	7.33984759E+00	7.41290924E+00	7.50479587E+00	7.84681450E+00111111
8.20947847E+00	8.69248297E+00	9.18635096E+00	9.29913753E+00	9.45532310E+00111111
1.01838115E+01	1.11467528E+01	1.21793219E+01	1.30984306E+01	1.33863009E+01111111
1.37026875E+01	1.48970026E+01	1.62379682E+01	1.77587874E+01	1.92602284E+01111111
1.98700309E+01	2.04658335E+01	2.73369282E+01	2.83281787E+01	2.93964919E+01111111
3.77134149E+01	3.60604564E+01	3.42648994E+01	4.37440527E+01	4.55610659E+01111111
4.75518960E+01	6.07349605E+01	6.34928523E+01	6.58111509E+01	8.54117579E+01111111
8.87609251E+01	9.20591104E+01	1.22630900E+02	1.31299169E+02	1.80634693E+02111111
1.91952375E+02	2.73817723E+02	2.86312065E+02	4.28146346E+02	4.47465626E+02111111
6.91851851E+02	7.17003852E+02	9.74047230E+02	2.20476134E+02	2.17284525E+02111111
2.13993805E+02	2.10473876E+02	2.06524641E+02	2.02442732E+02	1.97367100E+02111111
1.90682829E+02	1.83009862E+02	1.72815612E+02	1.59411479E+02	1.45486494E+02111111
1.29174849E+02	1.11084102E+02	9.60396214E+01	8.12101639E+01	6.72466168E+01111111
5.76585721E+01	4.89923489E+01	4.13194841E+01	3.67622425E+01	3.26400107E+01111111
2.89333595E+01	2.72279246E+01	2.56161195E+01	2.40938138E+01	2.26809097E+01111111
2.13488646E+01	2.00933106E+01	1.89093475E+01	1.77916765E+01	1.67343570E+01111111
1.57303870E+01	1.47708127E+01	1.38427585E+01	1.29240652E+01	1.19624864E+01111111
1.13953322E+01	1.08436995E+01	1.03923035E+01	9.91217670E+00	9.56511500E+00111111
9.37990993E+00	9.27977729E+00	9.21696688E+00	9.17421335E+00	9.14350848E+00111111
9.12057735E+00	9.10294081E+00	9.08905260E+00	9.07790149E+00	9.06880143E+00111111
9.06293265E+00	9.05763868E+00	9.05710832E+00	9.05423969E+00	9.05309582E+00111111
9.04910344E+00	9.04510581E+00	9.04108229E+00	9.03701497E+00	9.03288813E+00111111
9.02868870E+00	9.02440649E+00	9.02327655E+00	9.02003579E+00	9.01557421E+00111111
9.01102589E+00	9.00588325E+00	9.00067763E+00	8.99989453E+00	8.99969204E+00111111
8.99908898E+00	8.99907505E+00	8.99819194E+00	8.99771890E+00	8.99724221E+00111111
8.99652784E+00	8.99622324E+00	8.99513306E+00	8.99456486E+00	8.99397073E+00111111
8.99302149E+00	8.99284765E+00	8.99273718E+00	8.99178193E+00	8.99143617E+00111111
8.99032926E+00	8.99007588E+00	8.98922073E+00	8.98867101E+00	8.98835232E+00111111
8.98745598E+00	8.98724645E+00	8.98676935E+00	8.98640602E+00	8.98623004E+00111111
8.98570286E+00	8.98568883E+00	8.98529233E+00	8.98496560E+00	8.98465384E+00111111
8.98440624E+00	8.98420594E+00	8.98401675E+00	8.98399601E+00	8.98386354E+00111111
8.98373754E+00	8.98371127E+00	8.98364692E+00	8.98361887E+00	8.98356378E+00111111
8.98352083E+00	8.98348369E+00	8.98343869E+00	8.98266271E+00	8.98258226E+00111111
8.98251446E+00	8.98286709E+00	8.98560293E+00	8.98710430E+00	8.99240576E+00111111
9.00017346E+00	9.00335934E+00	9.01533019E+00	9.03083081E+00	9.05150467E+00111111
9.07639328E+00	9.09592210E+00	9.13461429E+00	9.16500345E+00	9.19546056E+00111111
9.23220114E+00	9.31959372E+00	9.43293240E+00	9.48790359E+00	9.53290587E+00111111

9.69538062E+00	9.88031910E+00	1.01069489E+01	1.01761378E+01	1.02632888E+01111111
1.05893452E+01	1.09368722E+01	1.14016899E+01	1.18565692E+01	1.19877787E+01111111
1.21389942E+01	1.28455780E+01	1.37823994E+01	1.47898683E+01	1.56887797E+01111111
1.59707028E+01	1.62807494E+01	1.74527771E+01	1.87715510E+01	2.02702525E+01111111
2.17525581E+01	2.23552550E+01	2.29444512E+01	2.97575253E+01	3.07424660E+01111111
3.18044005E+01	4.00827593E+01	4.15059423E+01	4.31626193E+01	5.38032158E+01111111
5.12361996E+01	4.86166281E+01	6.18000303E+01	6.45579337E+01	6.68762332E+01111111
8.64766689E+01	8.98257905E+01	9.31239287E+01	1.23695249E+02	1.32363386E+02111111
1.81698215E+02	1.93015752E+02	2.74880172E+02	2.89674364E+02	4.29207397E+02111111
4.48526521E+02	6.92910985E+02	7.18062819E+02	9.75104594E+02	2.67770730E+02111111
2.61714336E+02	2.57377094E+02	2.52861310E+02	2.47993863E+02	2.43213993E+02111111
2.37594369E+02	2.30585793E+02	2.22848913E+02	2.12768298E+02	1.99507624E+02111111
1.85470980E+02	1.68484317E+02	1.48774680E+02	1.31570102E+02	1.13798729E+02111111
9.62562800E+01	8.37220273E+01	7.20306107E+01	6.13802882E+01	5.49178134E+01111111
4.89827937E+01	4.35728815E+01	4.10603846E+01	3.86722693E+01	3.64046793E+01111111
3.42895779E+01	3.22863218E+01	3.03689610E+01	2.85945241E+01	2.68932158E+01111111
2.52780449E+01	2.37391681E+01	2.22634888E+01	2.08315547E+01	1.94090569E+01111111
1.79138842E+01	1.70281688E+01	1.61627955E+01	1.54502783E+01	1.46844127E+01111111
1.41198422E+01	1.38101031E+01	1.36377167E+01	1.35265860E+01	1.34489550E+01111111
1.33918100E+01	1.33481280E+01	1.33137749E+01	1.32861521E+01	1.32635326E+01111111
1.32447277E+01	1.32324074E+01	1.32211458E+01	1.32200062E+01	1.32138343E+01111111
1.32113586E+01	1.32026548E+01	1.31938340E+01	1.31848386E+01	1.31756130E+01111111
1.31661004E+01	1.31562433E+01	1.31459808E+01	1.31432329E+01	1.31352482E+01111111
1.31239742E+01	1.31120822E+01	1.30980246E+01	1.30829052E+01	1.30805310E+01111111
1.30799121E+01	1.30780563E+01	1.30780132E+01	1.30752587E+01	1.30737645E+01111111
1.30722446E+01	1.30699384E+01	1.30689446E+01	1.30653292E+01	1.30634065E+01111111
1.30613653E+01	1.30580325E+01	1.30574120E+01	1.30570158E+01	1.30535302E+01111111
1.30522398E+01	1.30479921E+01	1.30469921E+01	1.30435294E+01	1.30412233E+01111111
1.30398537E+01	1.30358521E+01	1.30348804E+01	1.30326080E+01	1.30308146E+01111111
1.30299240E+01	1.30271569E+01	1.30270810E+01	1.30248809E+01	1.30229767E+01111111
1.30210664E+01	1.30194710E+01	1.30181197E+01	1.30167843E+01	1.30166340E+01111111
1.30156533E+01	1.30146840E+01	1.30144770E+01	1.30139620E+01	1.30137338E+01111111
1.30132787E+01	1.30129177E+01	1.30125995E+01	1.30122084E+01	1.30032093E+01111111
1.30016236E+01	1.29998448E+01	1.29869890E+01	1.29733841E+01	1.29695085E+01111111
1.29610653E+01	1.29547754E+01	1.29532333E+01	1.29504205E+01	1.29509351E+01111111
1.29556478E+01	1.29649078E+01	1.29739554E+01	1.29949812E+01	1.30135246E+01111111
1.30334147E+01	1.30587349E+01	1.31231414E+01	1.32124906E+01	1.32574250E+01111111
1.32948232E+01	1.34332246E+01	1.35953379E+01	1.37986343E+01	1.38613352E+01111111
1.39408137E+01	1.42408624E+01	1.45646194E+01	1.50018834E+01	1.54328010E+01111111
1.55577067E+01	1.57016607E+01	1.63772816E+01	1.72781736E+01	1.82517471E+01111111
1.91236343E+01	1.93976096E+01	1.96991766E+01	2.08414610E+01	2.21304549E+01111111
2.35992917E+01	2.50554959E+01	2.56484243E+01	2.62284977E+01	3.29595510E+01111111
3.39353369E+01	3.49879707E+01	4.32088522E+01	4.46241112E+01	4.62720977E+01111111
5.68665573E+01	5.88958214E+01	6.11181634E+01	7.58000467E+01	7.15344005E+01111111
6.81887869E+01	8.77894975E+01	9.11386116E+01	9.44367341E+01	1.25007709E+02111111
1.33675720E+02	1.83009823E+02	1.94327201E+02	2.76190594E+02	2.90984621E+02111111
4.30516307E+02	4.49835267E+02	6.94217941E+02	7.19369613E+02	9.76409855E+02111111
3.36823281E+02	3.19664621E+02	3.07160213E+02	2.98208778E+02	2.91757631E+02111111
2.86134595E+02	2.79797244E+02	2.72258943E+02	2.64269564E+02	2.54146018E+02111111
2.40998210E+02	2.27025673E+02	2.09810751E+02	1.89210913E+02	1.70552177E+02111111
1.50517793E+02	1.29901240E+02	1.14616725E+02	9.99172294E+01	8.61368561E+01111111
7.75875031E+01	6.96080395E+01	6.22262120E+01	5.87624279E+01	5.54491501E+01111111
5.22841312E+01	4.93152867E+01	4.64886043E+01	4.37994769E+01	4.12415792E+01111111
3.88071267E+01	3.64863303E+01	3.42664136E+01	3.21295425E+01	3.00482025E+01111111
2.79725348E+01	2.57811979E+01	2.44775760E+01	2.31988108E+01	2.21406792E+01111111
2.09946384E+01	2.01388255E+01	1.96613258E+01	1.93911535E+01	1.92143992E+01111111
1.90892715E+01	1.89960356E+01	1.89239763E+01	1.88667291E+01	1.88202662E+01111111
1.87818966E+01	1.87497502E+01	1.87285553E+01	1.87090811E+01	1.87071048E+01111111
1.86963828E+01	1.86920727E+01	1.86768760E+01	1.86614033E+01	1.86455474E+01111111
1.86291997E+01	1.86122469E+01	1.85945689E+01	1.85760348E+01	1.85710482E+01111111
1.85564985E+01	1.85357925E+01	1.85137222E+01	1.84872893E+01	1.84583890E+01111111
1.84538014E+01	1.84526032E+01	1.84490042E+01	1.84489205E+01	1.84435618E+01111111
1.84406462E+01	1.84376740E+01	1.84331517E+01	1.84311976E+01	1.84240665E+01111111
1.84202574E+01	1.84162005E+01	1.84095474E+01	1.84083045E+01	1.84075102E+01111111
1.84004983E+01	1.83978915E+01	1.83892652E+01	1.83872239E+01	1.83801237E+01111111
1.83753661E+01	1.83725291E+01	1.83641894E+01	1.83621526E+01	1.83573703E+01111111

1.83535769E+01	1.83516867E+01	1.83457852E+01	1.83456228E+01	1.83408981E+01111111
1.83367850E+01	1.83326359E+01	1.83291526E+01	1.83261886E+01	1.83232470E+01111111
1.83229151E+01	1.83207457E+01	1.83185945E+01	1.83181342E+01	1.83169874E+01111111
1.83164787E+01	1.83154630E+01	1.83146561E+01	1.83139440E+01	1.83130681E+01111111
1.82925382E+01	1.82888408E+01	1.82846611E+01	1.82532470E+01	1.82165969E+01111111
1.82051249E+01	1.81772456E+01	1.81510181E+01	1.81427526E+01	1.81188847E+01111111
1.80980186E+01	1.80798539E+01	1.80666448E+01	1.80605932E+01	1.80560535E+01111111
1.80574188E+01	1.80619397E+01	1.80706163E+01	1.81014282E+01	1.81555548E+01111111
1.81857427E+01	1.82119369E+01	1.83149130E+01	1.84436432E+01	1.86125249E+01111111
1.86658660E+01	1.87340606E+01	1.89965987E+01	1.92863921E+01	1.96846687E+01111111
2.00826445E+01	2.01985936E+01	2.03327986E+01	2.09665721E+01	2.18195555E+01111111
2.27487127E+01	2.35855008E+01	2.38491962E+01	2.41397927E+01	2.52436446E+01111111
2.64942152E+01	2.79243888E+01	2.93466701E+01	2.99268502E+01	3.04949973E+01111111
3.71174514E+01	3.80809542E+01	3.91210761E+01	4.72641376E+01	4.86686408E+01111111
5.03048112E+01	6.08362778E+01	6.28552869E+01	6.50668828E+01	7.96876242E+01111111
8.27397796E+01	8.53035531E+01	1.06908650E+02	1.01276833E+02	9.60776775E+01111111
1.26648819E+02	1.35316763E+02	1.84650225E+02	1.95967435E+02	2.77829661E+02111111
2.92623494E+02	4.32153580E+02	4.51472347E+02	6.95852954E+02	7.21004442E+02111111
9.78043005E+02	4.43087779E+02	4.09439358E+02	3.82975930E+02	3.62131390E+02111111
3.45768043E+02	3.34288318E+02	3.24673651E+02	3.16008030E+02	3.07689523E+02111111
2.97436923E+02	2.84356081E+02	2.70511432E+02	2.53309801E+02	2.32303329E+02111111
2.12744119E+02	1.91075662E+02	1.67967406E+02	1.50257061E+02	1.32727499E+02111111
1.15827740E+02	1.05107036E+02	9.49329327E+01	8.53733091E+01	8.08380391E+01111111
7.64699029E+01	7.22697390E+01	6.83053817E+01	6.45087094E+01	6.08766866E+01111111
5.74036716E+01	5.40817168E+01	5.08997835E+01	4.78423210E+01	4.48863230E+01111111
4.19947225E+01	3.90983303E+01	3.60257466E+01	3.41897844E+01	3.23817691E+01111111
3.08789684E+01	2.92411974E+01	2.80064193E+01	2.73094995E+01	2.69109561E+01111111
2.66478224E+01	2.64600492E+01	2.63191294E+01	2.62095279E+01	2.61219623E+01111111
2.60505218E+01	2.59912528E+01	2.59413910E+01	2.59084053E+01	2.58780157E+01111111
2.58749272E+01	2.58581556E+01	2.58514065E+01	2.58275759E+01	2.58032559E+01111111
2.57782697E+01	2.57524376E+01	2.57255717E+01	2.56974692E+01	2.56679049E+01111111
2.56599322E+01	2.56366235E+01	2.56033278E+01	2.55676666E+01	2.55247030E+01111111
2.54773737E+01	2.54698236E+01	2.54678499E+01	2.54619173E+01	2.54617792E+01111111
2.54529334E+01	2.54481143E+01	2.54431972E+01	2.54357066E+01	2.54324676E+01111111
2.54206249E+01	2.54142880E+01	2.54075300E+01	2.53964265E+01	2.53943493E+01111111
2.53930213E+01	2.53812820E+01	2.53769098E+01	2.53624113E+01	2.53589735E+01111111
2.53469939E+01	2.53389476E+01	2.53341421E+01	2.53199822E+01	2.53165162E+01111111
2.53083659E+01	2.53018887E+01	2.52986569E+01	2.52885487E+01	2.52882700E+01111111
2.52801561E+01	2.52730769E+01	2.52659207E+01	2.52599007E+01	2.52547695E+01111111
2.52496690E+01	2.52490929E+01	2.52453254E+01	2.52415849E+01	2.52407840E+01111111
2.52387877E+01	2.52379018E+01	2.52361320E+01	2.52347254E+01	2.52334833E+01111111
2.52319550E+01	2.51959042E+01	2.51893628E+01	2.51819491E+01	2.51255232E+01111111
2.50577883E+01	2.50360531E+01	2.49818676E+01	2.49286264E+01	2.49112467E+01111111
2.48587925E+01	2.48088137E+01	2.47594738E+01	2.47155698E+01	2.46888453E+01111111
2.46492930E+01	2.46270733E+01	2.46104440E+01	2.45962121E+01	2.45806688E+01111111
2.45860829E+01	2.45958535E+01	2.46065149E+01	2.46604116E+01	2.47428148E+01111111
2.48641498E+01	2.49044964E+01	2.49571329E+01	2.51681359E+01	2.54113895E+01111111
2.57567613E+01	2.61101953E+01	2.62144044E+01	2.63354907E+01	2.69137171E+01111111
2.77040984E+01	2.85755937E+01	2.93671021E+01	2.96174827E+01	2.98939575E+01111111
3.09488056E+01	3.21501744E+01	3.35310557E+01	3.49099024E+01	3.54737537E+01111111
3.60265867E+01	4.25085927E+01	4.34560622E+01	4.44798366E+01	5.25208809E+01111111
5.39113071E+01	5.55320302E+01	6.59819918E+01	6.79878690E+01	7.01857028E+01111111
8.47270674E+01	8.77645206E+01	9.03163504E+01	1.11835545E+02	1.15502506E+02111111
1.19110780E+02	1.52422436E+02	1.37401282E+02	1.86734719E+02	1.98051808E+02111111
2.79912865E+02	2.94706473E+02	4.34234606E+02	4.53553130E+02	6.97931128E+02111111
7.23082386E+02	9.80118877E+02	6.07139855E+02	5.49236592E+02	5.02102165E+02111111
4.63509058E+02	4.31952208E+02	4.09063171E+02	3.89658542E+02	3.72757520E+02111111
3.59397235E+02	3.46122705E+02	3.31760208E+02	3.17900928E+02	3.00874860E+02111111
2.79768763E+02	2.59683441E+02	2.36846026E+02	2.11725177E+02	1.91887791E+02111111
1.71717847E+02	1.51740429E+02	1.38784559E+02	1.26279252E+02	1.14338062E+02111111
1.08606906E+02	1.03046232E+02	9.76613585E+01	9.25443147E+01	8.76120773E+01111111
8.28645697E+01	7.82980616E+01	7.39054648E+01	6.96752122E+01	6.55892353E+01111111
6.16188737E+01	5.77156370E+01	5.37860998E+01	4.95945686E+01	4.70776120E+01111111
4.45886263E+01	4.25103782E+01	4.02323293E+01	3.85008501E+01	3.75147852E+01111111
3.69464545E+01	3.65687800E+01	3.62977811E+01	3.60934134E+01	3.59337965E+01111111
3.58058005E+01	3.57010295E+01	3.56138425E+01	3.55403012E+01	3.54915483E+01111111

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7.69831002E+01 9.14225767E+01 9.44412129E+01 9.69776973E+01 1.18380724E+02111111
1.22030102E+02 1.25621759E+02 1.58813215E+02 1.68191482E+02 2.21291022E+02111111
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7.00610302E+02 7.25761255E+02 9.82794988E+02 8.59625269E+02 7.66847265E+02111111
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1.52277532E+02 1.45163872E+02 1.38207383E+02 1.31419119E+02 1.24920814E+02111111
1.18612755E+02 1.12499318E+02 1.06580029E+02 1.00849781E+02 9.52972224E+01111111
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5.18402747E+01 5.10370879E+01 5.05005363E+01 5.01138610E+01 4.98211680E+01111111
4.95918277E+01 4.94074130E+01 4.92560936E+01 4.91298959E+01 4.90232326E+01111111
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4.79079053E+01 4.79004993E+01 4.78733820E+01 4.78588470E+01 4.78433265E+01111111
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4.77391710E+01 4.77311953E+01 4.77033572E+01 4.76846189E+01 4.76734119E+01111111
4.76403200E+01 4.76322037E+01 4.76130932E+01 4.75978802E+01 4.75902809E+01111111
4.75664761E+01 4.75658191E+01 4.75466681E+01 4.75299286E+01 4.75129778E+01111111
4.74986946E+01 4.74865033E+01 4.74743690E+01 4.74729975E+01 4.74640227E+01111111
4.74551038E+01 4.74531929E+01 4.74484283E+01 4.74463130E+01 4.74420860E+01111111
4.74387248E+01 4.74357558E+01 4.74321013E+01 4.73454459E+01 4.73296251E+01111111
4.73116568E+01 4.71734945E+01 4.70039315E+01 4.69485335E+01 4.68079931E+01111111
4.66658655E+01 4.66184441E+01 4.64716320E+01 4.63253955E+01 4.61726735E+01111111
4.60267416E+01 4.59311703E+01 4.57746718E+01 4.56735102E+01 4.55859914E+01111111
4.54947840E+01 4.53231580E+01 4.51639736E+01 4.51046067E+01 4.50626515E+01111111
4.49498890E+01 4.48747476E+01 4.48343117E+01 4.48304364E+01 4.48301557E+01111111
4.48659367E+01 4.49516016E+01 4.51186219E+01 4.53229481E+01 4.53876899E+01111111
4.54650429E+01 4.58591646E+01 4.64438781E+01 4.71279052E+01 4.77732915E+01111111
4.79812613E+01 4.82127678E+01 4.91101001E+01 5.01549943E+01 5.13785900E+01111111
5.26191259E+01 5.31308670E+01 5.36349332E+01 5.96642161E+01 6.05595378E+01111111
6.15298994E+01 6.92338988E+01 7.05775085E+01 7.21469261E+01 8.23288611E+01111111
8.42924810E+01 8.64464442E+01 1.00742216E+02 1.03735004E+02 1.06250528E+02111111
1.27495482E+02 1.31120430E+02 1.34688615E+02 1.67692105E+02 1.77027282E+02111111
2.29966973E+02 2.42064232E+02 3.29049905E+02 3.00883964E+02 4.40408646E+02111111
4.59726568E+02 7.04097120E+02 7.29247673E+02 9.86277679E+02 1.24337075E+03111111
1.10257473E+03 9.83432129E+02 8.81677096E+02 7.94703698E+02 7.29053341E+02111111
6.71810063E+02 6.21445421E+02 5.82670257E+02 5.47185341E+02 5.14350420E+02111111

4.87449856E+02	4.59668789E+02	4.29591204E+02	4.03003819E+02	3.73599226E+02	111111
3.41226913E+02	3.15213998E+02	2.88081837E+02	2.60292197E+02	2.41693312E+02	111111
2.23255002E+02	2.05162603E+02	1.96297162E+02	1.87575531E+02	1.79014360E+02	111111
1.70763880E+02	1.62692823E+02	1.54811752E+02	1.47124911E+02	1.39630361E+02	111111
1.32317609E+02	1.25163518E+02	1.18124197E+02	1.11117012E+02	1.03971995E+02	111111
9.62438904E+01	9.15456469E+01	8.68517620E+01	8.28902764E+01	7.84925506E+01	111111
7.50963029E+01	7.31314505E+01	7.19845691E+01	7.12148578E+01	7.06580663E+01	111111
7.02352895E+01	6.99031096E+01	6.96353953E+01	6.94152930E+01	6.92314144E+01	111111
6.90757583E+01	6.89722750E+01	6.88765609E+01	6.88668130E+01	6.88138116E+01	111111
6.87924510E+01	6.87168771E+01	6.86395018E+01	6.85597364E+01	6.84769711E+01	111111
6.83905539E+01	6.82997695E+01	6.82038160E+01	6.81778589E+01	6.81017686E+01	111111
6.79925332E+01	6.78747946E+01	6.77318643E+01	6.75729571E+01	6.75474593E+01	111111
6.75407866E+01	6.75207124E+01	6.75202450E+01	6.74902621E+01	6.74739022E+01	111111
6.74571906E+01	6.74316951E+01	6.74206568E+01	6.73802235E+01	6.73585404E+01	111111
6.73353789E+01	6.72972392E+01	6.72900923E+01	6.72855211E+01	6.72450447E+01	111111
6.72299385E+01	6.71797189E+01	6.71677826E+01	6.71261011E+01	6.70980277E+01	111111
6.70812311E+01	6.70316045E+01	6.70194260E+01	6.69907399E+01	6.69678930E+01	111111
6.69564766E+01	6.69206976E+01	6.69197098E+01	6.68909065E+01	6.68657164E+01	111111
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6.67664123E+01	6.67529579E+01	6.67500748E+01	6.67428852E+01	6.67396930E+01	111111
6.67333134E+01	6.67282399E+01	6.67237579E+01	6.67182405E+01	6.65872266E+01	111111
6.65632683E+01	6.65360430E+01	6.63261473E+01	6.60670960E+01	6.59820752E+01	111111
6.57654133E+01	6.55447915E+01	6.54708179E+01	6.52405244E+01	6.50089410E+01	111111
6.47643246E+01	6.45275467E+01	6.43705762E+01	6.41095169E+01	6.39376249E+01	111111
6.37865175E+01	6.36261519E+01	6.33138543E+01	6.30058892E+01	6.28838417E+01	111111
6.27941331E+01	6.25298495E+01	6.23110250E+01	6.21226545E+01	6.20782974E+01	111111
6.20295717E+01	6.19046376E+01	6.18456728E+01	6.18488730E+01	6.19162979E+01	111111
6.19448778E+01	6.19821553E+01	6.22077104E+01	6.26046175E+01	6.31180377E+01	111111
6.36310264E+01	6.38005360E+01	6.39911235E+01	6.47461855E+01	6.56496962E+01	111111
6.67314785E+01	6.78470681E+01	6.83118017E+01	6.87715058E+01	7.43887574E+01	111111
7.52359009E+01	7.61565289E+01	8.35448415E+01	8.48438443E+01	8.63643061E+01	111111
9.62888367E+01	9.82118697E+01	1.00323888E+02	1.14390399E+02	1.17342943E+02	111111
1.19826130E+02	1.40834735E+02	1.44423898E+02	1.47957824E+02	1.80679397E+02	111111
1.89945140E+02	2.42575090E+02	2.54620953E+02	3.41405238E+02	3.57021273E+02	111111
5.03379456E+02	4.64283344E+02	7.08650643E+02	7.33800746E+02	9.90826116E+02	111111
1.81415318E+03	1.61182934E+03	1.43744529E+03	1.28551811E+03	1.15283268E+03	111111
1.05050705E+03	9.59451934E+02	8.77552222E+02	8.13328514E+02	7.54300119E+02	111111
7.01197375E+02	6.59311117E+02	6.18189927E+02	5.76054437E+02	5.40487117E+02	111111
5.02229295E+02	4.60705974E+02	4.27572446E+02	3.93087672E+02	3.57533614E+02	111111
3.33544729E+02	3.09565864E+02	2.85914663E+02	2.74294126E+02	2.62742419E+02	111111
2.51347501E+02	2.40371499E+02	2.29526563E+02	2.18966683E+02	2.08571168E+02	111111
1.98413947E+02	1.88456010E+02	1.78648854E+02	1.68974157E+02	1.59281161E+02	111111
1.49360165E+02	1.38614952E+02	1.32060155E+02	1.25471251E+02	1.19875496E+02	111111
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1.02300303E+02	1.01679386E+02	1.01190384E+02	1.00795498E+02	1.00470304E+02	111111
1.00198237E+02	9.99676380E+01	9.98141777E+01	9.96721247E+01	9.96576508E+01	111111
9.95789315E+01	9.95471952E+01	9.94348629E+01	9.93197730E+01	9.92010465E+01	111111
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9.20623546E+01	9.18115099E+01	9.15425766E+01	9.10092332E+01	9.04667673E+01	111111
9.02458447E+01	9.00807200E+01	8.95766266E+01	8.91299790E+01	8.87064834E+01	111111
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3.36564678E+02	3.34664752E+02	3.34025639E+02	3.32443496E+02	3.30886401E+02	111111
3.30373527E+02	3.28797760E+02	3.27232543E+02	3.25583253E+02	3.23973971E+02	111111
3.22892005E+02	3.21050365E+02	3.19798243E+02	3.18663786E+02	3.17417667E+02	111111
3.14830303E+02	3.11990403E+02	3.10756065E+02	3.09798201E+02	3.06648346E+02	111111
3.03452518E+02	3.00381473E+02	2.99592276E+02	2.98669076E+02	2.95730477E+02	111111
2.93178241E+02	2.90315539E+02	2.87897578E+02	2.87250730E+02	2.86528299E+02	111111
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2.72998264E+02	2.71028665E+02	2.69214322E+02	2.67477747E+02	2.65986827E+02	111111
2.65428746E+02	2.64905550E+02	2.60561276E+02	2.60337457E+02	2.60176541E+02	111111
2.60578790E+02	2.60825267E+02	2.61153600E+02	2.63995419E+02	2.64626123E+02	111111
2.65472071E+02	2.73484298E+02	2.75431463E+02	2.77107156E+02	2.92118408E+02	111111
2.94778354E+02	2.97415623E+02	3.23078589E+02	3.30944362E+02	3.77255214E+02	111111
3.88052058E+02	4.67181180E+02	4.81828976E+02	6.22324525E+02	6.41907928E+02	111111
8.91229083E+02	9.17063974E+02	1.18069886E+03	1.06933443E+03	1.03897067E+03	111111
9.97766691E+03	9.47516902E+03	8.89651136E+03	8.33646777E+03	7.73205958E+03	111111
7.08165388E+03	6.48693009E+03	5.87260745E+03	5.29364678E+03	4.82319629E+03	111111
4.37307387E+03	3.94542997E+03	3.62495240E+03	3.31634360E+03	3.01521713E+03	111111
2.79822157E+03	2.59341047E+03	2.39049513E+03	2.25474804E+03	2.11807957E+03	111111
1.98895250E+03	1.92937276E+03	1.86435011E+03	1.79879259E+03	1.74248817E+03	111111
1.67688790E+03	1.62252221E+03	1.56052372E+03	1.50252673E+03	1.44666588E+03	111111
1.38452437E+03	1.33139543E+03	1.27000305E+03	1.20495961E+03	1.13792725E+03	111111
1.09295255E+03	1.04636415E+03	1.00677706E+03	9.58282235E+02	9.21260163E+02	111111
8.98274052E+02	8.81544772E+02	8.69268262E+02	8.61634512E+02	8.56247807E+02	111111
8.52144810E+02	8.48870945E+02	8.46177622E+02	8.43913922E+02	8.41980925E+02	111111
8.40684615E+02	8.39476131E+02	8.39352492E+02	8.38678298E+02	8.38405627E+02	111111
8.37436267E+02	8.36435838E+02	8.35395442E+02	8.34305492E+02	8.33155332E+02	111111
8.31932810E+02	8.30623769E+02	8.30266519E+02	8.29211264E+02	8.27674505E+02	111111
8.25987509E+02	8.23893810E+02	8.21502441E+02	8.21112129E+02	8.21009676E+02	111111
8.20700666E+02	8.20693457E+02	8.20229667E+02	8.19975476E+02	8.19714987E+02	111111
8.19315946E+02	8.19142563E+02	8.18504237E+02	8.18159811E+02	8.17790252E+02	111111
8.17177940E+02	8.17062675E+02	8.16988862E+02	8.16332268E+02	8.16085820E+02	111111
8.15260968E+02	8.15063642E+02	8.14370698E+02	8.13900535E+02	8.13617886E+02	111111
8.12776819E+02	8.12569042E+02	8.12077454E+02	8.11683726E+02	8.11486245E+02	111111
8.10864119E+02	8.10846873E+02	8.10342341E+02	8.09898442E+02	8.09446143E+02	111111
8.09062823E+02	8.08734030E+02	8.08405286E+02	8.08368033E+02	8.08123797E+02	111111
8.07880264E+02	8.07827980E+02	8.07697449E+02	8.07639425E+02	8.07523332E+02	111111
8.07430887E+02	8.07349131E+02	8.07248371E+02	8.04817249E+02	8.04364493E+02	111111
8.03846846E+02	7.99739331E+02	7.94259550E+02	7.92429773E+02	7.87991545E+02	111111
7.83739217E+02	7.82360836E+02	7.78184509E+02	7.74106318E+02	7.69858275E+02	111111
7.65735028E+02	7.62962268E+02	7.58218958E+02	7.54963351E+02	7.51983755E+02	111111
7.48671777E+02	7.41641168E+02	7.33650662E+02	7.30081560E+02	7.27270714E+02	111111
7.17771449E+02	7.07837261E+02	6.98596289E+02	6.96270940E+02	6.93568015E+02	111111
6.85019353E+02	6.77539313E+02	6.68923545E+02	6.61359294E+02	6.59282619E+02	111111
6.56934688E+02	6.46451841E+02	6.33364950E+02	6.20950964E+02	6.12806296E+02	111111
6.10594144E+02	6.08297004E+02	6.00538109E+02	5.92895763E+02	5.84957537E+02	111111
5.77532205E+02	5.74588180E+02	5.71739973E+02	5.43109866E+02	5.40390923E+02	111111
5.37726519E+02	5.21796564E+02	5.19491214E+02	5.16885208E+02	5.01302550E+02	111111
4.98441536E+02	4.95913190E+02	4.88242841E+02	4.87595228E+02	4.87175804E+02	111111
4.86134694E+02	4.86215852E+02	4.86341745E+02	4.92118973E+02	4.96251521E+02	111111
5.26240512E+02	5.33788312E+02	5.91860808E+02	6.03836814E+02	7.27853932E+02	111111
7.45638190E+02	9.78154537E+02	1.00317895E+03	1.26158879E+03	2.19946116E+03	111111
2.15254389E+04	2.07952321E+04	1.98495080E+04	1.87242787E+04	1.76141593E+04	111111
1.64029773E+04	1.51180934E+04	1.39697980E+04	1.27860884E+04	1.16291182E+04	111111
1.06651844E+04	9.71937940E+03	8.79879986E+03	8.09259671E+03	7.40119940E+03	111111
6.72513760E+03	6.23332818E+03	5.76318116E+03	5.29953945E+03	4.98998909E+03	111111
4.68086731E+03	4.38562044E+03	4.24538490E+03	4.09825696E+03	3.94837205E+03	111111
3.81666430E+03	3.66901799E+03	3.53975785E+03	3.39952532E+03	3.26372843E+03	111111
3.13492698E+03	2.99410487E+03	2.86802570E+03	2.72919593E+03	2.58158328E+03	111111
2.42659238E+03	2.32747188E+03	2.22249866E+03	2.13817425E+03	2.03227450E+03	111111
1.94975895E+03	1.89809504E+03	1.86314059E+03	1.83971709E+03	1.82418314E+03	111111
1.81275070E+03	1.80384425E+03	1.79665357E+03	1.79070401E+03	1.78569201E+03	111111
1.78141083E+03	1.77854165E+03	1.77586959E+03	1.77559640E+03	1.77410746E+03	111111
1.77350564E+03	1.77136806E+03	1.76916546E+03	1.76687911E+03	1.76448900E+03	111111
1.76197307E+03	1.75930643E+03	1.75646030E+03	1.75568530E+03	1.75340058E+03	111111
1.75008576E+03	1.74646451E+03	1.74199681E+03	1.73693088E+03	1.73610783E+03	111111

1.73589197E+03	1.73524134E+03	1.73522617E+03	1.73425094E+03	1.73371708E+03111111
1.73317047E+03	1.73233405E+03	1.73197098E+03	1.73063612E+03	1.72991705E+03111111
1.72914645E+03	1.72787178E+03	1.72763213E+03	1.72747871E+03	1.72611567E+03111111
1.72560484E+03	1.72389823E+03	1.72349068E+03	1.72206163E+03	1.72109392E+03111111
1.72051290E+03	1.71878727E+03	1.71836173E+03	1.71735610E+03	1.71655185E+03111111
1.71614887E+03	1.71488109E+03	1.71484599E+03	1.71381984E+03	1.71291843E+03111111
1.71200134E+03	1.71122518E+03	1.71056021E+03	1.70989607E+03	1.70982085E+03111111
1.70932796E+03	1.70883688E+03	1.70873150E+03	1.70846850E+03	1.70835162E+03111111
1.70811785E+03	1.70793175E+03	1.70776722E+03	1.70756451E+03	1.70269353E+03111111
1.70179060E+03	1.70075984E+03	1.69263985E+03	1.68233749E+03	1.67905823E+03111111
1.67091858E+03	1.66287034E+03	1.66020984E+03	1.65200184E+03	1.64379226E+03111111
1.63507260E+03	1.62648927E+03	1.62067467E+03	1.61069369E+03	1.60384594E+03111111
1.59759785E+03	1.59068726E+03	1.57618274E+03	1.56002755E+03	1.55293282E+03111111
1.54739808E+03	1.52902566E+03	1.51103167E+03	1.49414945E+03	1.48973570E+03111111
1.48452834E+03	1.46760611E+03	1.45244171E+03	1.43488797E+03	1.41961217E+03111111
1.41545767E+03	1.41078440E+03	1.39025373E+03	1.36540087E+03	1.34336526E+03111111
1.32790781E+03	1.32356139E+03	1.31899024E+03	1.30321248E+03	1.28739528E+03111111
1.27096351E+03	1.25576523E+03	1.24980567E+03	1.24407987E+03	1.18834287E+03111111
1.18250705E+03	1.17660470E+03	1.13861744E+03	1.13293800E+03	1.12651878E+03111111
1.08868746E+03	1.08220509E+03	1.07593214E+03	1.04677964E+03	1.04225033E+03111111
1.03869350E+03	1.01441336E+03	1.01094394E+03	1.00765858E+03	9.86446537E+02111111
9.84334059E+02	9.85825856E+02	9.87843615E+02	1.01052836E+03	1.01715338E+03111111
1.10384186E+03	1.11736879E+03	1.0836919E+03	1.31905397E+03	1.54470706E+03111111
4.54729066E+04	4.31888894E+04	4.08092132E+04	3.83454709E+04	3.58176933E+04111111
3.35653023E+04	3.12857382E+04	2.90202857E+04	2.71083073E+04	2.51865311E+04111111
2.32468547E+04	2.15979775E+04	1.99322982E+04	1.82546376E+04	1.69152599E+04111111
1.55656599E+04	1.42131807E+04	1.32019399E+04	1.22056621E+04	1.12137191E+04111111
1.05503820E+04	9.88887507E+03	9.24422657E+03	8.92976920E+03	8.61015431E+03111111
8.28597562E+03	7.98786345E+03	7.67163442E+03	7.37771505E+03	7.07334162E+03111111
6.77314348E+03	6.48534472E+03	6.18166072E+03	5.89611505E+03	5.59389503E+03111111
5.27433086E+03	4.93226783E+03	4.71784802E+03	4.49171770E+03	4.30537154E+03111111
4.07972028E+03	3.91107828E+03	3.80661999E+03	3.73819258E+03	3.69276944E+03111111
3.66187523E+03	3.63886101E+03	3.62083656E+03	3.60625620E+03	3.59418965E+03111111
3.58403102E+03	3.57536292E+03	3.56956014E+03	3.56416153E+03	3.56360991E+03111111
3.56060457E+03	3.55939039E+03	3.55508051E+03	3.55064419E+03	3.54604448E+03111111
3.54124213E+03	3.53619409E+03	3.53085198E+03	3.52516015E+03	3.52361208E+03111111
3.51905293E+03	3.51245081E+03	3.50525584E+03	3.49640496E+03	3.48640432E+03111111
3.48478313E+03	3.48435810E+03	3.48307747E+03	3.48304762E+03	3.48112928E+03111111
3.48007976E+03	3.47900561E+03	3.47736282E+03	3.47665005E+03	3.47403122E+03111111
3.47262163E+03	3.47111187E+03	3.46861653E+03	3.46814765E+03	3.46784753E+03111111
3.46518274E+03	3.46418479E+03	3.46085363E+03	3.46005877E+03	3.45727370E+03111111
3.45538951E+03	3.45425892E+03	3.45090409E+03	3.45007748E+03	3.44812516E+03111111
3.44656492E+03	3.44578350E+03	3.44332679E+03	3.44325879E+03	3.44127215E+03111111
3.43952833E+03	3.43775542E+03	3.43625597E+03	3.43497206E+03	3.43369039E+03111111
3.43354528E+03	3.43259459E+03	3.43164775E+03	3.43144463E+03	3.43093772E+03111111
3.43071250E+03	3.43026206E+03	3.42990356E+03	3.42958664E+03	3.42919623E+03111111
3.41983356E+03	3.41810188E+03	3.41612654E+03	3.40061977E+03	3.38111436E+03111111
3.37490267E+03	3.35934889E+03	3.34379650E+03	3.33862168E+03	3.32256653E+03111111
3.30639801E+03	3.28914313E+03	3.27211504E+03	3.26057389E+03	3.24078447E+03111111
3.22724175E+03	3.21492070E+03	3.20134130E+03	3.17303273E+03	3.14184936E+03111111
3.12827664E+03	3.11774037E+03	3.08308936E+03	3.04960576E+03	3.01770835E+03111111
3.00926659E+03	2.99926451E+03	2.96654538E+03	2.93712605E+03	2.90319254E+03111111
2.87390530E+03	2.86598985E+03	2.85711367E+03	2.81848126E+03	2.77251685E+03111111
2.73205907E+03	2.70302540E+03	2.69478727E+03	2.68609809E+03	2.65599097E+03111111
2.62579741E+03	2.59460102E+03	2.56600210E+03	2.55486638E+03	2.54421160E+03111111
2.44155063E+03	2.43048301E+03	2.41920642E+03	2.34558281E+03	2.33454467E+03111111
2.32209024E+03	2.24941164E+03	2.23712416E+03	2.22498496E+03	2.16413836E+03111111
2.15400988E+03	2.14593536E+03	2.08831928E+03	2.07978269E+03	2.07163908E+03111111
2.01230420E+03	2.00158460E+03	1.96328355E+03	1.95750879E+03	1.93075808E+03111111
1.92969494E+03	1.95889594E+03	1.96570768E+03	2.07059385E+03	2.08453352E+03111111
2.25295773E+03	7.00165767E+04	6.65258371E+04	6.30683436E+04	5.96207376E+04111111
5.61813920E+04	5.31782125E+04	5.01808570E+04	4.71896534E+04	4.46434665E+04111111
4.20443057E+04	3.93638995E+04	3.70367965E+04	3.46357611E+04	3.21638948E+04111111
3.01501830E+04	2.80820294E+04	2.59690349E+04	2.43589089E+04	2.27480035E+04111111
2.11201090E+04	2.00150947E+04	1.89010367E+04	1.78013890E+04	1.72579725E+04111111
1.67042215E+04	1.61364192E+04	1.56114302E+04	1.50502581E+04	1.45226247E+04111111

1.39737466E+04	1.34248222E+04	1.28963975E+04	1.23327537E+04	1.17963782E+04111111
1.12254636E+04	1.06143267E+04	9.95185727E+03	9.53543209E+03	9.09043257E+03111111
8.72452476E+03	8.27638325E+03	7.94173505E+03	7.73254968E+03	7.59520294E+03111111
7.50511488E+03	7.44361134E+03	7.39764047E+03	7.36155847E+03	7.33232717E+03111111
7.30810918E+03	7.28770360E+03	7.27028076E+03	7.25861179E+03	7.24775188E+03111111
7.24664205E+03	7.24059479E+03	7.23815136E+03	7.22947676E+03	7.22054557E+03111111
7.21128327E+03	7.20161061E+03	7.19144070E+03	7.18067573E+03	7.16920323E+03111111
7.16608244E+03	7.15689038E+03	7.14357632E+03	7.12906287E+03	7.11120400E+03111111
7.09101876E+03	7.08774596E+03	7.08688789E+03	7.08430245E+03	7.08424218E+03111111
7.08036907E+03	7.07825000E+03	7.07608113E+03	7.07276399E+03	7.07132470E+03111111
7.06603626E+03	7.06318957E+03	7.06014048E+03	7.05510064E+03	7.05415360E+03111111
7.05354742E+03	7.04816485E+03	7.04614900E+03	7.03941973E+03	7.03781395E+03111111
7.03218726E+03	7.02838041E+03	7.02609606E+03	7.01931727E+03	7.01764692E+03111111
7.01370173E+03	7.01054872E+03	7.00896954E+03	7.00400454E+03	7.00386712E+03111111
6.99985194E+03	6.99632737E+03	6.99274388E+03	6.98971299E+03	6.98711770E+03111111
6.98452689E+03	6.98423356E+03	6.98231174E+03	6.98039767E+03	6.97998704E+03111111
6.97896230E+03	6.97850698E+03	6.97759638E+03	6.97687162E+03	6.97623092E+03111111
6.97544165E+03	6.95651178E+03	6.95301020E+03	6.94901579E+03	6.91765406E+03111111
6.87847032E+03	6.86612742E+03	6.83516936E+03	6.80414391E+03	6.79380602E+03111111
6.76168882E+03	6.72928339E+03	6.69463964E+03	6.66039642E+03	6.63715977E+03111111
6.59727044E+03	6.56994288E+03	6.54506199E+03	6.51762169E+03	6.46036419E+03111111
6.39722308E+03	6.36972201E+03	6.34836667E+03	6.27809876E+03	6.21078541E+03111111
6.14703022E+03	6.13011448E+03	6.11005061E+03	6.04426784E+03	5.98495092E+03111111
5.91637369E+03	5.85707808E+03	5.84103803E+03	5.82304472E+03	5.74466299E+03111111
5.65129062E+03	5.57031202E+03	5.51209380E+03	5.49553610E+03	5.47805372E+03111111
5.41734166E+03	5.35626165E+03	5.29298150E+03	5.23484456E+03	5.21217999E+03111111
5.19048152E+03	4.98281617E+03	4.96049540E+03	4.93769773E+03	4.78743079E+03111111
4.76470488E+03	4.73901028E+03	4.58815418E+03	4.56297642E+03	4.53821824E+03111111
4.41179385E+03	4.39020742E+03	4.37287332E+03	4.24609268E+03	4.22689017E+03111111
4.20848431E+03	4.07122621E+03	4.04421960E+03	3.93085139E+03	3.91023599E+03111111
3.79058232E+03	3.77645386E+03	3.70961756E+03	3.70515574E+03	3.68788583E+03111111
3.69183887E+03	3.77284064E+03	9.87853259E+04	9.47077043E+04	9.06689183E+04111111
8.66416823E+04	8.26240952E+04	7.91160051E+04	7.56147180E+04	7.21206171E+04111111
6.91487979E+04	6.60896722E+04	6.28592909E+04	5.99892613E+04	5.69596636E+04111111
5.37626344E+04	5.10945230E+04	4.82942711E+04	4.53619360E+04	4.30777257E+04111111
4.07443157E+04	3.83342494E+04	3.66680243E+04	3.49604289E+04	3.32447751E+04111111
3.23855439E+04	3.15018880E+04	3.05884214E+04	2.97328162E+04	2.88117885E+04111111
2.79344010E+04	2.70133369E+04	2.60817850E+04	2.51728410E+04	2.41942941E+04111111
2.32484156E+04	2.22306290E+04	2.11264220E+04	1.99088716E+04	1.91343373E+04111111
1.82985895E+04	1.76044431E+04	1.67475479E+04	1.61013134E+04	1.56950860E+04111111
1.54281252E+04	1.52530467E+04	1.51329842E+04	1.50430180E+04	1.49723004E+04111111
1.49149552E+04	1.48674141E+04	1.48273380E+04	1.47931079E+04	1.47701766E+04111111
1.47488315E+04	1.47466500E+04	1.47347624E+04	1.47299589E+04	1.47129044E+04111111
1.46953433E+04	1.46771291E+04	1.46581059E+04	1.46381025E+04	1.46169264E+04111111
1.45943561E+04	1.45882160E+04	1.45701298E+04	1.45439308E+04	1.45153686E+04111111
1.44802185E+04	1.44404848E+04	1.44340420E+04	1.44323528E+04	1.44272630E+04111111
1.44271444E+04	1.44195195E+04	1.44153477E+04	1.44110778E+04	1.44045472E+04111111
1.44017135E+04	1.43913016E+04	1.43856969E+04	1.43796936E+04	1.43697706E+04111111
1.43679059E+04	1.43667124E+04	1.43561142E+04	1.43521450E+04	1.43388947E+04111111
1.43357328E+04	1.43246532E+04	1.43171569E+04	1.43126586E+04	1.42993098E+04111111
1.42960204E+04	1.42882513E+04	1.42820421E+04	1.42789322E+04	1.42691545E+04111111
1.42688839E+04	1.42609765E+04	1.42540353E+04	1.42469779E+04	1.42410088E+04111111
1.42358975E+04	1.42307950E+04	1.42302173E+04	1.42264323E+04	1.42226625E+04111111
1.42218538E+04	1.42198356E+04	1.42189388E+04	1.42171454E+04	1.42157179E+04111111
1.42144561E+04	1.42129016E+04	1.41756176E+04	1.41687208E+04	1.41608531E+04111111
1.40990784E+04	1.40219915E+04	1.39977391E+04	1.39368178E+04	1.38756455E+04111111
1.38552390E+04	1.37917755E+04	1.37276541E+04	1.36590221E+04	1.35911154E+04111111
1.35450035E+04	1.34657956E+04	1.34115014E+04	1.33620507E+04	1.33074966E+04111111
1.31936183E+04	1.30679860E+04	1.30132541E+04	1.29707491E+04	1.28308688E+04111111
1.26970841E+04	1.25702252E+04	1.25364997E+04	1.24964671E+04	1.23650194E+04111111
1.22462974E+04	1.21088838E+04	1.19899747E+04	1.19577974E+04	1.19216970E+04111111
1.17643904E+04	1.15769260E+04	1.14147656E+04	1.12978694E+04	1.12645741E+04111111
1.12293985E+04	1.11070978E+04	1.09838726E+04	1.08560643E+04	1.07385471E+04111111
1.06927133E+04	1.06488244E+04	1.02290849E+04	1.01838757E+04	1.01376446E+04111111
9.83165755E+03	9.78522125E+03	9.73267883E+03	9.42352229E+03	9.37196994E+03111111
9.32125106E+03	9.05991360E+03	9.01481100E+03	8.97849013E+03	8.71036960E+03111111

8.66943843E+03	8.63014065E+03	8.33497629E+03	8.27533138E+03	8.01318293E+03111111
7.96340226E+03	7.66333491E+03	7.62490517E+03	7.38565887E+03	7.36130408E+03111111
7.12925219E+03	7.11608825E+03	7.05127783E+03	1.30450804E+05	1.26379098E+05111111
1.22346170E+05	1.18324776E+05	1.14313017E+05	1.10810015E+05	1.07313807E+05111111
1.03824775E+05	1.00859117E+05	9.77835065E+04	9.44637619E+04	9.14488114E+04111111
8.81940103E+04	8.46719255E+04	8.16566427E+04	7.84194851E+04	7.49345891E+04111111
7.21534387E+04	6.92436204E+04	6.61588412E+04	6.39813097E+04	6.17042167E+04111111
5.93662385E+04	5.81786655E+04	5.69399777E+04	5.56512271E+04	5.44209171E+04111111
5.30870414E+04	5.17968434E+04	5.04238983E+04	4.90212821E+04	4.76217718E+04111111
4.61013277E+04	4.46015944E+04	4.29606380E+04	4.11512882E+04	3.91078974E+04111111
3.77792598E+04	3.63338527E+04	3.51051849E+04	3.35788640E+04	3.24022222E+04111111
3.16600194E+04	3.11723691E+04	3.08484960E+04	3.06249590E+04	3.04570644E+04111111
3.03249326E+04	3.02177131E+04	3.01287876E+04	3.00538056E+04	2.99897502E+04111111
2.99468338E+04	2.99068831E+04	2.99027999E+04	2.98805494E+04	2.98715582E+04111111
2.98396349E+04	2.98067624E+04	2.97726664E+04	2.97370549E+04	2.96996078E+04111111
2.96599646E+04	2.96177108E+04	2.96062159E+04	2.95723567E+04	2.95233093E+04111111
2.94698379E+04	2.94040344E+04	2.93296517E+04	2.93175907E+04	2.93144286E+04111111
2.93049005E+04	2.93046784E+04	2.92904048E+04	2.92825953E+04	2.92746023E+04111111
2.92623773E+04	2.92570729E+04	2.92375825E+04	2.92270910E+04	2.92158534E+04111111
2.91972786E+04	2.91937882E+04	2.91915541E+04	2.91717158E+04	2.91642860E+04111111
2.91394839E+04	2.91335654E+04	2.91128267E+04	2.90987954E+04	2.90903757E+04111111
2.90653902E+04	2.90592335E+04	2.90446920E+04	2.90330704E+04	2.90272497E+04111111
2.90089491E+04	2.90084426E+04	2.89936429E+04	2.89806516E+04	2.89674430E+04111111
2.89562713E+04	2.89467052E+04	2.89371555E+04	2.89360743E+04	2.89289905E+04111111
2.89219354E+04	2.89204218E+04	2.89166446E+04	2.89149663E+04	2.89116098E+04111111
2.89089384E+04	2.89065768E+04	2.89036676E+04	2.88338923E+04	2.88209856E+04111111
2.88062623E+04	2.86906641E+04	2.85458662E+04	2.84999491E+04	2.83844021E+04111111
2.82681288E+04	2.82292944E+04	2.81083960E+04	2.79860885E+04	2.78550481E+04111111
2.77252985E+04	2.76371541E+04	2.74856977E+04	2.73818571E+04	2.72872709E+04111111
2.71829183E+04	2.69650887E+04	2.67247983E+04	2.66201276E+04	2.65388455E+04111111
2.62713910E+04	2.60142940E+04	2.57684116E+04	2.57029074E+04	2.56250978E+04111111
2.53693041E+04	2.51380362E+04	2.48702449E+04	2.46384964E+04	2.45757869E+04111111
2.45054342E+04	2.41989128E+04	2.38337244E+04	2.35148803E+04	2.32839693E+04111111
2.32181181E+04	2.31485199E+04	2.29063762E+04	2.26622623E+04	2.24090194E+04111111
2.21761688E+04	2.20853581E+04	2.19984045E+04	2.11625228E+04	2.10717442E+04111111
2.09788474E+04	2.03629605E+04	2.02694035E+04	2.01635291E+04	1.95403777E+04111111
1.94358427E+04	1.93326205E+04	1.87980692E+04	1.87054113E+04	1.86307225E+04111111
1.80777884E+04	1.79931868E+04	1.79119250E+04	1.72971161E+04	1.71710579E+04111111
1.66085685E+04	1.65003612E+04	1.58394697E+04	1.57519557E+04	1.51707471E+04111111
1.51074898E+04	1.44608986E+04	1.44158934E+04	1.40877008E+04	1.65940849E+05111111
1.62438085E+05	1.58968681E+05	1.55509200E+05	1.52058007E+05	1.49044483E+05111111
1.46036803E+05	1.43035295E+05	1.40485053E+05	1.37827485E+05	1.34917034E+05111111
1.32233399E+05	1.29289029E+05	1.26041930E+05	1.23205565E+05	1.20102964E+05111111
1.16682497E+05	1.13892830E+05	1.10908404E+05	1.07663804E+05	1.05325486E+05111111
1.02829446E+05	1.00207938E+05	9.88563765E+04	9.74250998E+04	9.59252851E+04111111
9.44636465E+04	9.28660794E+04	9.12945881E+04	8.95961399E+04	8.78412419E+04111111
8.60441555E+04	8.40702045E+04	8.20755288E+04	7.98464856E+04	7.73374715E+04111111
7.44135382E+04	7.24538070E+04	7.02964346E+04	6.83994945E+04	6.60190372E+04111111
6.41203690E+04	6.29152925E+04	6.21234467E+04	6.15868344E+04	6.12125298E+04111111
6.09302602E+04	6.07076359E+04	6.05267549E+04	6.03766147E+04	6.02499484E+04111111
6.01416995E+04	6.00691561E+04	6.00016149E+04	5.99947110E+04	5.99570892E+04111111
5.99418859E+04	5.98879028E+04	5.98323093E+04	5.97746417E+04	5.97144061E+04111111
5.96510609E+04	5.95839963E+04	5.95125109E+04	5.94930631E+04	5.94357762E+04111111
5.93527886E+04	5.92623121E+04	5.91509653E+04	5.90250985E+04	5.90046895E+04111111
5.89993386E+04	5.89832156E+04	5.89828398E+04	5.89586866E+04	5.89454716E+04111111
5.89319461E+04	5.89112594E+04	5.89022834E+04	5.88693026E+04	5.88515494E+04111111
5.88325337E+04	5.88011024E+04	5.87951961E+04	5.87914156E+04	5.87578465E+04111111
5.87452744E+04	5.87033060E+04	5.86932912E+04	5.86581991E+04	5.86344568E+04111111
5.86202099E+04	5.85779324E+04	5.85675149E+04	5.85429098E+04	5.85232453E+04111111
5.85133965E+04	5.84824313E+04	5.84815743E+04	5.84565329E+04	5.84345516E+04111111
5.84122027E+04	5.83933004E+04	5.83771147E+04	5.83609570E+04	5.83591277E+04111111
5.83471423E+04	5.83352052E+04	5.83326443E+04	5.83262536E+04	5.83234140E+04111111
5.83177351E+04	5.83132152E+04	5.83092196E+04	5.83042973E+04	5.81862454E+04111111
5.81644092E+04	5.81394999E+04	5.79439369E+04	5.76974439E+04	5.76182592E+04111111
5.74183674E+04	5.72164381E+04	5.71488465E+04	5.69380208E+04	5.67242239E+04111111
5.64947213E+04	5.62671435E+04	5.61123973E+04	5.58463053E+04	5.56637662E+04111111

5.54974454E+04	5.53139134E+04	5.49307317E+04	5.45080149E+04	5.43238891E+04111111
5.41809139E+04	5.37105237E+04	5.32544278E+04	5.28115473E+04	5.26930721E+04111111
5.25521360E+04	5.20876448E+04	5.16667049E+04	5.11787216E+04	5.07562218E+04111111
5.06418872E+04	5.05136173E+04	4.99548000E+04	4.92892102E+04	4.86985288E+04111111
4.82667331E+04	4.81432619E+04	4.80126467E+04	4.75575304E+04	4.70980803E+04111111
4.66211818E+04	4.61826387E+04	4.60116189E+04	4.58478725E+04	4.42591101E+04111111
4.40838504E+04	4.39042577E+04	4.27103719E+04	4.25288075E+04	4.23233246E+04111111
4.11139885E+04	4.09092105E+04	4.07056325E+04	3.96432692E+04	3.94582825E+04111111
3.93090695E+04	3.82028062E+04	3.80334056E+04	3.78706756E+04	3.66272961E+04111111
3.63681648E+04	3.52025284E+04	3.49770901E+04	3.35917874E+04	3.34043117E+04111111
3.21269871E+04	3.19849749E+04	3.05039258E+04	3.03951728E+04	2.95459649E+04111111
2.14393548E+05	2.11699599E+05	2.09031307E+05	2.06370645E+05	2.03716358E+05111111
2.01398679E+05	1.99085495E+05	1.96777058E+05	1.94815691E+05	1.92768115E+05111111
1.90511692E+05	1.88416951E+05	1.86101091E+05	1.83522751E+05	1.81246134E+05111111
1.78730447E+05	1.75917129E+05	1.73591935E+05	1.71067952E+05	1.68275773E+05111111
1.66233939E+05	1.64020873E+05	1.61656110E+05	1.60422940E+05	1.59100816E+05111111
1.57707839E+05	1.56327118E+05	1.54807716E+05	1.53292113E+05	1.51632004E+05111111
1.49899963E+05	1.48085674E+05	1.46072301E+05	1.43992667E+05	1.41621499E+05111111
1.38897285E+05	1.35619923E+05	1.33351893E+05	1.30817439E+05	1.28504536E+05111111
1.25557026E+05	1.23107360E+05	1.21534750E+05	1.20499680E+05	1.19782121E+05111111
1.19274259E+05	1.18888797E+05	1.18583647E+05	1.18335125E+05	1.18128505E+05111111
1.17953988E+05	1.17804718E+05	1.17704624E+05	1.17611393E+05	1.17601862E+05111111
1.17549913E+05	1.17528917E+05	1.17454352E+05	1.17377542E+05	1.17297845E+05111111
1.17214577E+05	1.17126989E+05	1.17034234E+05	1.16935340E+05	1.16908432E+05111111
1.16829159E+05	1.16714297E+05	1.16589039E+05	1.16434848E+05	1.16260504E+05111111
1.16232230E+05	1.16224817E+05	1.16202480E+05	1.16201960E+05	1.16168496E+05111111
1.16150187E+05	1.16131446E+05	1.16102783E+05	1.16090346E+05	1.16044645E+05111111
1.16020043E+05	1.15993692E+05	1.15950133E+05	1.15941948E+05	1.15936709E+05111111
1.15890185E+05	1.15872760E+05	1.15814591E+05	1.15800710E+05	1.15752068E+05111111
1.15719157E+05	1.15699408E+05	1.15640801E+05	1.15626359E+05	1.15592248E+05111111
1.15564986E+05	1.15551332E+05	1.15508401E+05	1.15507213E+05	1.15472494E+05111111
1.15442017E+05	1.15411030E+05	1.15384821E+05	1.15362379E+05	1.15339974E+05111111
1.15337438E+05	1.15320819E+05	1.15304266E+05	1.15300715E+05	1.15291854E+05111111
1.15287916E+05	1.15280041E+05	1.15273774E+05	1.15268233E+05	1.15261408E+05111111
1.15097700E+05	1.15067417E+05	1.15032871E+05	1.14761635E+05	1.14417428E+05111111
1.14305223E+05	1.14020552E+05	1.13731160E+05	1.13633935E+05	1.13329676E+05111111
1.13019794E+05	1.12685930E+05	1.12353865E+05	1.12127608E+05	1.11737850E+05111111
1.11470062E+05	1.11225830E+05	1.10956110E+05	1.10392424E+05	1.09769969E+05111111
1.09498706E+05	1.09288026E+05	1.08594697E+05	1.07915565E+05	1.07241887E+05111111
1.07060267E+05	1.06843592E+05	1.06125666E+05	1.05471444E+05	1.04710381E+05111111
1.04050052E+05	1.03871209E+05	1.03670512E+05	1.02795643E+05	1.01752987E+05111111
1.00808505E+05	1.00106104E+05	9.99040514E+04	9.96898475E+04	9.89405644E+04111111
9.81809820E+04	9.73905793E+04	9.66627290E+04	9.63787231E+04	9.61067357E+04111111
9.34327387E+04	9.31299424E+04	9.28186244E+04	9.07332058E+04	9.04147334E+04111111
9.00541026E+04	8.79293717E+04	8.75664217E+04	8.72018864E+04	8.52665580E+04111111
8.49260885E+04	8.46510353E+04	8.26048409E+04	8.22909080E+04	8.19892614E+04111111
7.96586157E+04	7.91612663E+04	7.68984520E+04	7.64581526E+04	7.37400315E+04111111
7.33645486E+04	7.07459088E+04	7.04506266E+04	6.73405070E+04	6.71049562E+04111111
6.52060324E+04	2.96013237E+05	2.94087583E+05	2.92180270E+05	2.90278411E+05111111
2.88381109E+05	2.86724417E+05	2.85070937E+05	2.83420851E+05	2.82018376E+05111111
2.80554659E+05	2.78940377E+05	2.77440177E+05	2.75779027E+05	2.73924903E+05111111
2.72281770E+05	2.70460846E+05	2.68411720E+05	2.66709121E+05	2.64848197E+05111111
2.62770672E+05	2.61240717E+05	2.59568057E+05	2.57763192E+05	2.56817027E+05111111
2.55793792E+05	2.54714386E+05	2.53632159E+05	2.52437475E+05	2.51236682E+05111111
2.49909650E+05	2.48520127E+05	2.47041560E+05	2.45393058E+05	2.43668390E+05111111
2.41676197E+05	2.39360930E+05	2.36520163E+05	2.34509458E+05	2.32244970E+05111111
2.30118284E+05	2.27381969E+05	2.25030652E+05	2.23509330E+05	2.22506584E+05111111
2.21794939E+05	2.21285478E+05	2.20896924E+05	2.20588440E+05	2.20336727E+05111111
2.20127182E+05	2.19950023E+05	2.19798385E+05	2.19696652E+05	2.19601859E+05111111
2.19592165E+05	2.19539331E+05	2.19517974E+05	2.19442116E+05	2.19363955E+05111111
2.19282837E+05	2.19198065E+05	2.19108873E+05	2.19014398E+05	2.18913646E+05111111
2.18886228E+05	2.18805444E+05	2.18688368E+05	2.18560666E+05	2.18403425E+05111111
2.18225584E+05	2.18196739E+05	2.18189175E+05	2.18166386E+05	2.18165854E+05111111
2.18131711E+05	2.18113029E+05	2.18093907E+05	2.18064658E+05	2.18051967E+05111111
2.18005330E+05	2.17980223E+05	2.17953330E+05	2.17908874E+05	2.17900519E+05111111
2.17895172E+05	2.17847685E+05	2.17829900E+05	2.17770522E+05	2.17756352E+05111111

2.17706696E+05 2.17673098E+05 2.17652935E+05 2.17593099E+05 2.17578354E+05111111
2.17543526E+05 2.17515690E+05 2.17501747E+05 2.17457910E+05 2.17456697E+05111111
2.17421244E+05 2.17390121E+05 2.17358477E+05 2.17331711E+05 2.17308791E+05111111
2.17285910E+05 2.17283319E+05 2.17266346E+05 2.17249441E+05 2.17245814E+05111111
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Description of SESAME table number 5195 for xenon

This note describes the document for which review and approval is requested. In particular, the SESAME table number 5195, version 1, for xenon [1]. This table is a file in ASCII format which provides a thermodynamic model for xenon in a tabular format for use as a computational material model. The format and ranges of pressures given in the table are described in the following paragraphs. As well, the beginning of the table is included for reference at the end of this description. The entire ASCII table contains 9,218 lines of text and so is not included. However, it may be seen in its entirety by viewing the accompanying document, Xe5195v1.sestab, in any standard text viewer.

The xenon table, herein referred to as 5195, is tabulated using the ASCII LANL SESAME format [2]. The table consists of several records. The first is the index record, denoted by the key "0" and the other data records are denoted by the key "1". In each case the material number is given next followed by the record type number, the number of words (in the computer science definition) the record contains, and dates of creation and last modification. The index record contains information on the material the table represents, including the name, average atomic number and weight, author, date, references, chemical formula, and codes used. The 102 data record contains a text description of the model used to create the table. The 201 data record contains the average atomic number, atomic weight, normal density, and bulk modulus.

The 301 data record is the main part of the table, containing the equation of state model. Each line has the format of five floating point numbers, with no spaces between, followed by five integers which are either "1" or "0" depending on whether the corresponding floating point number is present. The floating point numbers in the 301 data record represent a set of rectangular data grids. The first two values are the number of density and temperature grid points respectively, in this case 186 and 82. Following are the 186 density points and afterward the 82 temperature points. After this the 186×82 pressure points are listed followed by the identically long arrays of internal energy and Helmholtz free energy points.

The values of the table are given in units convenient for shock physics, namely, g/cm³, K, GPa, and MJ/kg for the density, temperature, pressure, and energies, respectively.

The limits of the tables are as follows. Densities are tabulated from 1.0×10^{-20} g/cm³ to 300.0 g/cm³. Temperatures are tabulated from 1.0×10^{-6} K to 1.18×10^8 K. The maximum tabulated pressure, 116.7 PPa, occurs at the maximum of both density and temperature. A pressure of 435.4 TPa is found at the maximum density and minimum temperature. The lowest pressure, 3.16×10^{-27} GPa, is found at a the minimum of both density and temperature.

Note that the usual LM/DOE acknowledgment statement is not included in the 5195 table because it is inappropriate for the table format. However, when the 5195 table is released, a reference will be included to the corresponding article [1], which will contain the appropriate acknowledgment.

[1] This model represents work which will be published in an upcoming journal article.

[2] LANL Tech. Rep. LA-UR-92-3407

Following is the start of the 5195 table, truncated after 102 lines. Thus, values are shown up to and including the next to maximum pressure at the lowest temperature.

```

0 5195 101 160 r 31610 31610 1 0
material. xenon(z= 54.00 a=131.29)/source. J. H. Carpenter (jhcarme@sandia.gov)/
date. Mar 16 2010/refs. /comp. Xe/codes. /
1 5195 102 320 r 31610 31610 2 1
Debye solid model with CRIS liquid model. Electronic term uses generalized meta
l form interpolated to TFK theory at high temperatures. Equilibrium 301 table ha
s Maxwell constructions along all phase boundaries except for a very small tensi
on region below 37 K.
```

1	5195	201	5	r	31610	31610	1			1
5.	400000000E+01	1.312900000E+02	3.823000000E+00	3.787000000E+00	0.000000000E+00	111111				1
1	5195	301	46026	r	31610	31610	2			1
1.	860000000E+02	8.200000000E+01	1.000000000E-20	1.84759001E-19	3.32007528E-18	111111				
5.	91701404E-17	1.04727335E-15	1.28752517E-14	1.57520913E-13	1.91729311E-12	111111				
1.	62571753E-11	1.37212837E-10	1.15203859E-09	6.75361857E-09	3.94024528E-08	111111				
2.	28614480E-07	9.28893014E-07	3.75642247E-06	1.51088081E-05	4.27390982E-05	111111				
1.	20438686E-04	3.38023523E-04	6.71046492E-04	1.32966434E-03	2.63255076E-03	111111				
3.	70287844E-03	5.20860906E-03	7.32870216E-03	1.02567231E-02	1.43573861E-02	111111				
2.	01081346E-02	2.81931924E-02	3.96057764E-02	5.58180124E-02	7.90821322E-02	111111				
1.	13018307E-01	1.63924126E-01	2.44331442E-01	3.86725217E-01	5.20000000E-01	111111				
7.	100000000E-01	9.37002000E-01	1.30000000E+00	1.70439789E+00	2.01212281E+00	111111				
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2.	98126051E+00	2.98416051E+00	3.00000000E+00	3.00641805E+00	3.02928556E+00	111111				
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3.	72900000E+00	3.73200000E+00	3.73333302E+00	3.73600000E+00	3.73812296E+00	111111				
3.	74000000E+00	3.74231274E+00	3.79791490E+00	3.80822629E+00	3.82000000E+00	111111				
3.	91279992E+00	4.03256509E+00	4.07321316E+00	4.18000000E+00	4.29379769E+00	111111				
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5.	90000000E+00	6.23958896E+00	6.39000000E+00	6.50771611E+00	6.90000000E+00	111111				
7.	30000000E+00	7.74292601E+00	7.87000000E+00	8.02560647E+00	8.57000000E+00	111111				
9.	10000000E+00</									

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 3.50396358E-01 5.18711437E-01 7.24661558E-01 8.02693997E-01 1.07902251E+00111111
 1.41624820E+00 1.85148842E+00 2.36800192E+00 2.77272693E+00 3.58018328E+00111111
 4.22235212E+00 4.87459821E+00 5.67275890E+00 7.62191117E+00 1.02479938E+01111111
 1.15568872E+01 1.26446860E+01 1.66765430E+01 2.14386506E+01 2.74826119E+01111111
 2.93659576E+01 3.17625693E+01 4.09253908E+01 5.09950484E+01 6.48619062E+01111111
 7.88055035E+01 8.28892909E+01 8.76280746E+01 1.10205566E+02 1.41159610E+02111111
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 1.68135918E+03 2.53513841E+03 2.71678674E+03 2.92230801E+03 4.44892133E+03111111
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