

LA-UR-14-25131

Approved for public release; distribution is unlimited.

Title: Evaluated Mean Values and Covariances for the Prompt Fission Neutron Spectrum of ^{239}Pu induced by neutrons of 500 keV

Author(s): Neudecker, Denise

Intended for: Report

Issued: 2014-07-10

Disclaimer:

Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by the Los Alamos National Security, LLC for the National Nuclear Security Administration of the U.S. Department of Energy under contract DE-AC52-06NA25396. By approving this article, the publisher recognizes that the U.S. Government retains nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.

Evaluated Mean Values and Covariances for the Prompt Fission Neutron Spectrum of ^{239}Pu induced by neutrons of 500 keV

D. Neudecker

July 9, 2014

Abstract

This document provides the numerical values of the evaluated prompt fission neutron spectrum for ^{239}Pu induced by neutrons of 500 keV as well as relative uncertainties and correlations. This document also contains a short description how these data were obtained and shows plots comparing the evaluated results to experimental information as well as the corresponding ENDF/B-VII.1 evaluation.

Description

Tables 1, 2, 3 and 4 contain the evaluated mean values of the ^{239}Pu PFNS induced by neutrons of 500 keV and associated relative uncertainties. Below these tables are the evaluated correlations (upper diagonal) for the same energy grid. Figures are also provided for the mean values (Figs. 1 and 2), relative uncertainties (Fig. 3) and the correlation matrix (Fig. 4). In Figures 1 and 2, the evaluated PFNS is compared to the experimental data included into the evaluation [1–5] and the corresponding ENDF/B-VII.1 evaluation [6].

The evaluated mean values and covariances were obtained by a Generalized Least Squares algorithm combining model information as obtained from the Los Alamos model [7] and experimental information for the data of [1–5]. This evaluation was undertaken in logarithmic PFNS space.

The experimental data of [1–4] were retrieved from the EXFOR data base, while the data of [5] were directly taken from the report. The associated experimental uncertainties were estimated carefully by partitioning uncertainties according to their sources and estimating the correlations for each uncertainty source. Correlations between uncertainties of different experiments were also estimated and lead to non-zero correlations for uncertainties of [1,2] as well as [3,4]. A detailed description of these uncertainty quantification efforts can be found in [8].

The prior covariances for the Generalized Least Squares algorithm were obtained by calculations using the LAM [7] with randomly selected parameter sets. These parameter sets were selected by sampling parameters independently from Gaussian distributions with uncertainties and mean values provided in Table II of [9].

The χ^2 of the evaluation was relatively high, $\chi^2 = 8.72988$, owing to the fact that the experimental data are highly discrepant. The final evaluated covariances are multiplied with χ^2 to take into account the experimental discrepancies. The relative uncertainties given in Tables 1, 2, 3 and 4 are already multiplied by χ and in Fig. 3, the relative uncertainties are shown with and without rescaling with χ .

The current evaluation follows closely the data of [4] and [5] due to the fact that these data have the lowest uncertainties (Fig. 3) of all experimental data considered in the evaluation. The obtained evaluated data show distinct differences to the current ENDF/B-VII-1 [6] evaluation. The obtained data are higher than the ENDF/B-VII.1 data until around 2 MeV and then they are lower.

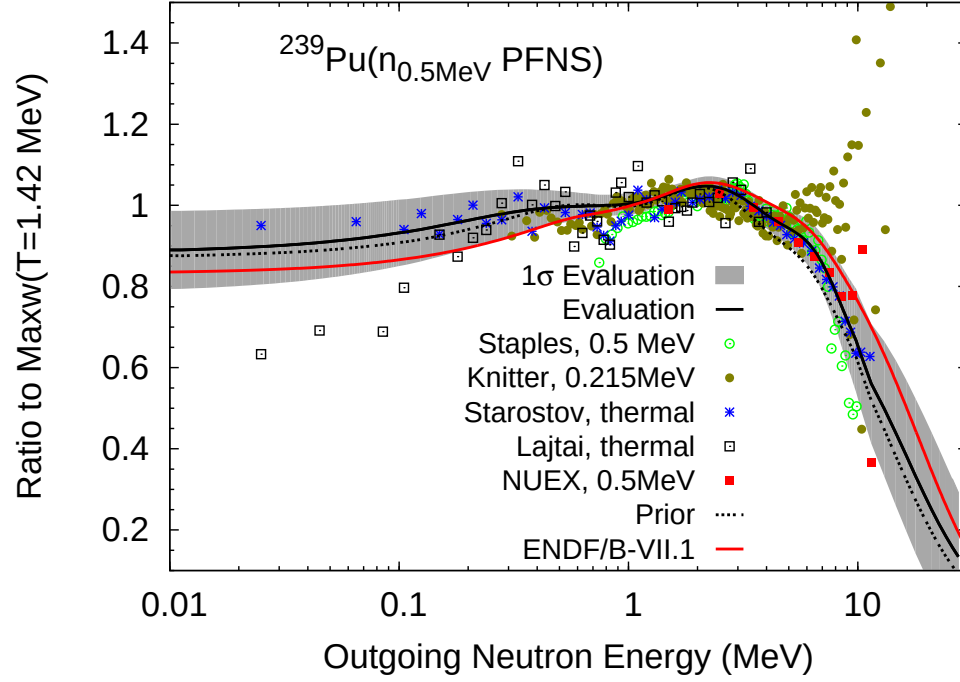


Figure 1: Evaluated mean values compared to experimental data [1–5] and the corresponding ENDF/B-VII.1 evaluation [6].

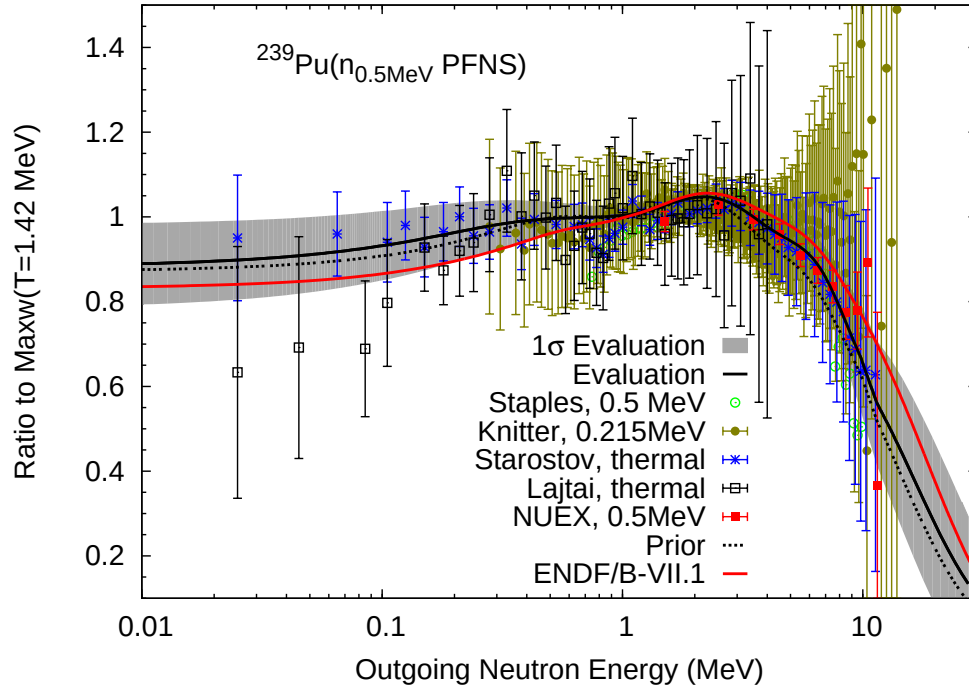


Figure 2: Evaluated mean values compared to experimental data [1–5] and the corresponding ENDF/B-VII.1 evaluation [6]. Experimental data are shown with errorbars.

References

- [1] H.-H. Knitter, “Measurements of the Energy Spectrum of Prompt Neutrons from the Fission of Pu239 by 0.215 MeV Neutrons,” *ATOMKERNENERGIE* **26**, 76 (1975), EXFOR-No. 20576.001.

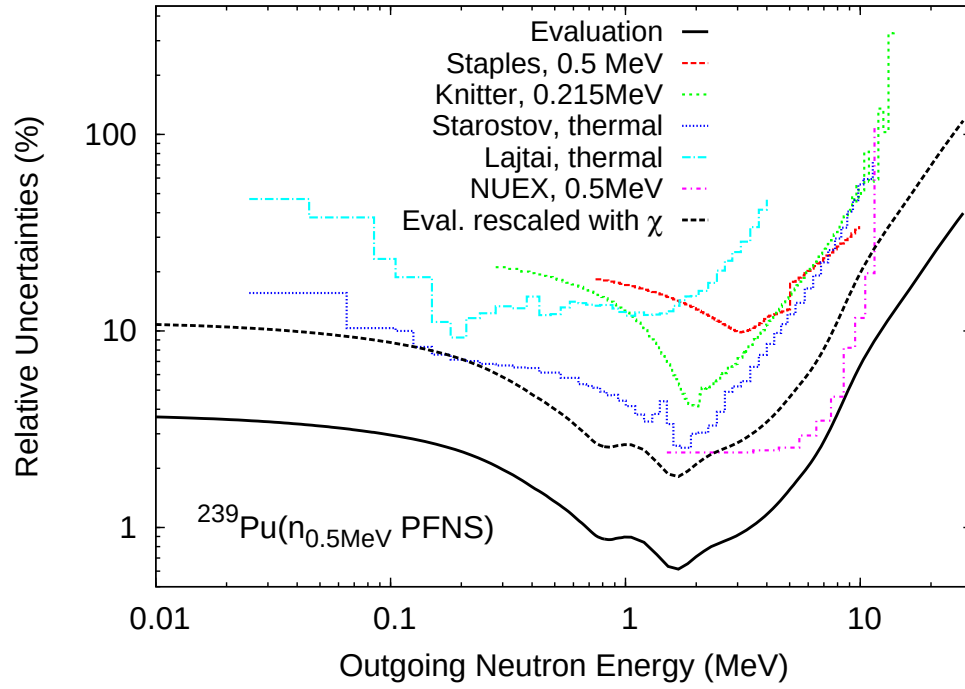


Figure 3: Evaluated relative uncertainties are compared to experimental uncertainties.

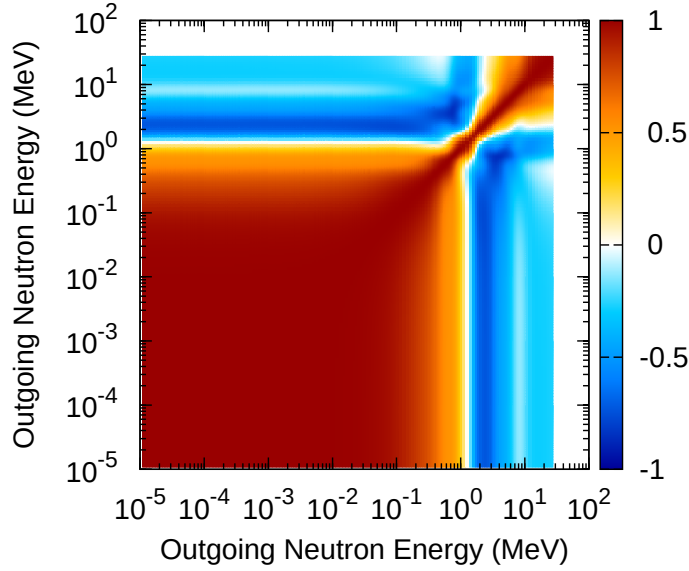


Figure 4: Evaluated correlation matrix.

- [2] P. Staples *et al.*, “Prompt Fission Neutron Energy Spectra Induced by Fast Neutrons,” NUCL. PHYS. A **591**, 41 (1995), EXFOR-No. 13982.001.
- [3] A. Lajtai *et al.*, “Energy Spectrum Measurements of Neutrons for Energies 30 keV - 4 MeV from Thermal Fission of Main Fuel Elements,” IN PROCEEDINGS OF THE CONF. ON NUCLEAR DATA FOR BASIC AND

Table 1: The evaluated prompt fission neutron spectrum for ^{239}Pu induced by neutrons of 500 keV and the associated relative uncertainties are given corresponding to their outgoing neutron energy E_{out} .

E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)	E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)
1.0810E-05	1.9366E-03	11.15	1.2409E-05	2.0752E-03	11.15
1.4008E-05	2.2051E-03	11.15	1.5607E-05	2.3278E-03	11.15
1.7206E-05	2.4443E-03	11.15	1.8806E-05	2.5555E-03	11.15
2.0405E-05	2.6621E-03	11.15	2.2005E-05	2.7645E-03	11.15
2.3605E-05	2.8633E-03	11.15	2.5204E-05	2.9588E-03	11.15
2.6804E-05	3.0513E-03	11.15	2.8404E-05	3.1411E-03	11.15
3.0004E-05	3.2284E-03	11.15	3.1603E-05	3.3133E-03	11.15
3.3203E-05	3.3962E-03	11.15	3.4803E-05	3.4771E-03	11.15
3.6403E-05	3.5561E-03	11.15	3.8003E-05	3.6334E-03	11.15
3.9603E-05	3.7091E-03	11.15	4.1203E-05	3.7833E-03	11.15
4.2803E-05	3.8561E-03	11.15	4.4402E-05	3.9275E-03	11.15
4.6002E-05	3.9977E-03	11.15	4.7602E-05	4.0666E-03	11.14
4.9202E-05	4.1344E-03	11.14	5.0802E-05	4.2011E-03	11.14
5.2402E-05	4.2667E-03	11.14	5.4002E-05	4.3314E-03	11.14
5.5602E-05	4.3951E-03	11.14	5.7202E-05	4.4579E-03	11.14
5.8802E-05	4.5198E-03	11.14	6.0402E-05	4.5809E-03	11.14
6.2002E-05	4.6412E-03	11.14	6.3602E-05	4.7007E-03	11.14
6.5202E-05	4.7594E-03	11.14	6.6802E-05	4.8175E-03	11.14
6.8402E-05	4.8748E-03	11.14	7.0002E-05	4.9315E-03	11.14
7.1602E-05	4.9875E-03	11.14	7.3202E-05	5.0430E-03	11.14
7.4801E-05	5.0978E-03	11.14	7.6401E-05	5.1520E-03	11.14
7.8001E-05	5.2057E-03	11.14	7.9601E-05	5.2588E-03	11.14
8.1201E-05	5.3114E-03	11.14	8.2801E-05	5.3635E-03	11.14
8.4401E-05	5.4150E-03	11.14	8.6001E-05	5.4661E-03	11.14
8.7601E-05	5.5167E-03	11.14	8.9201E-05	5.5669E-03	11.14
9.0801E-05	5.6166E-03	11.14	9.2401E-05	5.6659E-03	11.14
9.4001E-05	5.7147E-03	11.14	9.5601E-05	5.7632E-03	11.14
9.7201E-05	5.8112E-03	11.14	9.8801E-05	5.8588E-03	11.14
1.0586E-04	6.0619E-03	11.14	1.2009E-04	6.4556E-03	11.14
1.3608E-04	6.8728E-03	11.14	1.5207E-04	7.2661E-03	11.14

APPLIED SCIENCES, Santa Fe, USA, 1985, **Vol. 1**, 613 (1985), EXFOR-No. 30704.001.

- [4] B.I. Starostov, V.N. Nefedov and A.A. Boykov, "Prompt Neutrons Spectra from the Thermal Neutron Fission of ^{233}U , ^{235}U , ^{239}Pu and Spontaneous Fission of ^{252}Cf in the Secondary Neutron Energy Range 0.01 - 12 MeV," INDC REPORT 293, 19 (1989), EXFOR-No. 40930.008.
- [5] J.P. Lestone, E.F. Shores, "Uranium and Plutonium Prompt-fission-neutron Spectra (PFNS) from the Analysis of NTS NUEX Data and the corresponding uncertainty budget," Los Alamos National Laboratory Report LA-UR-14-24087 (2014).
- [6] M.B. Chadwick *et al.*, "ENDF/B-VII.1 Nuclear Data for Science and Technology: Cross Sections, Covariances, Fission Product Yields and Decay Data," NUCL. DATA SHEETS **112**, 2887 (2011).
- [7] D.G. Madland and J.R. Nix, "New Calculation of Prompt Fission Neutron Spectra and Average Prompt Neutron Multiplicities," NUCL. SCI. ENG. **81**, 213 (1982).
- [8] D. Neudecker *et al.*, "Compilation of ^{239}Pu PFNS Experimental Covariance Matrices," Los Alamos National Laboratory Report LA-UR-13-24743 (2013).
- [9] D. Neudecker *et al.*, "Preliminary Evaluation and Uncertainty Quantification of the Prompt Fission Neutron Spectrum of ^{239}Pu ," Los Alamos National Laboratory Report LA-UR-13-24743 (2013); accepted with minor revision by Nuclear Data Sheets.

Table 2: Continuation of Table 1.

E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)	E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)
1.6807E-04	7.6391E-03	11.14	1.8406E-04	7.9948E-03	11.14
2.0005E-04	8.3352E-03	11.14	2.1605E-04	8.6623E-03	11.14
2.3205E-04	8.9775E-03	11.14	2.4804E-04	9.2819E-03	11.14
2.6404E-04	9.5767E-03	11.14	2.8004E-04	9.8627E-03	11.14
2.9604E-04	1.0141E-02	11.14	3.1204E-04	1.0411E-02	11.14
3.2803E-04	1.0675E-02	11.14	3.4403E-04	1.0932E-02	11.13
3.6003E-04	1.1183E-02	11.13	3.7603E-04	1.1429E-02	11.13
3.9203E-04	1.1670E-02	11.13	4.0803E-04	1.1906E-02	11.13
4.2403E-04	1.2137E-02	11.13	4.4002E-04	1.2364E-02	11.13
4.5602E-04	1.2587E-02	11.13	4.7202E-04	1.2806E-02	11.13
4.8802E-04	1.3021E-02	11.13	5.0402E-04	1.3233E-02	11.13
5.2002E-04	1.3441E-02	11.13	5.3602E-04	1.3646E-02	11.13
5.5202E-04	1.3848E-02	11.13	5.6802E-04	1.4048E-02	11.13
5.8402E-04	1.4244E-02	11.13	6.0002E-04	1.4438E-02	11.13
6.1602E-04	1.4629E-02	11.13	6.3202E-04	1.4818E-02	11.12
6.4802E-04	1.5005E-02	11.12	6.6402E-04	1.5189E-02	11.12
6.8002E-04	1.5371E-02	11.12	6.9602E-04	1.5550E-02	11.12
7.1202E-04	1.5728E-02	11.12	7.2802E-04	1.5904E-02	11.12
7.4401E-04	1.6078E-02	11.12	7.6001E-04	1.6250E-02	11.12
7.7601E-04	1.6420E-02	11.12	7.9201E-04	1.6588E-02	11.12
8.0801E-04	1.6755E-02	11.12	8.2401E-04	1.6920E-02	11.12
8.4001E-04	1.7084E-02	11.12	8.5601E-04	1.7246E-02	11.12
8.7201E-04	1.7406E-02	11.12	8.8801E-04	1.7565E-02	11.12
9.0401E-04	1.7723E-02	11.11	9.2001E-04	1.7879E-02	11.11
9.3601E-04	1.8034E-02	11.11	9.5201E-04	1.8187E-02	11.11
9.6801E-04	1.8339E-02	11.11	9.8401E-04	1.8490E-02	11.11
1.0363E-03	1.8971E-02	11.11	1.1609E-03	2.0072E-02	11.10
1.3208E-03	2.1413E-02	11.10	1.4807E-03	2.2675E-02	11.09
1.6407E-03	2.3869E-02	11.09	1.8006E-03	2.5007E-02	11.08
1.9606E-03	2.6096E-02	11.07	2.1205E-03	2.7140E-02	11.07
2.2805E-03	2.8146E-02	11.06	2.4405E-03	2.9118E-02	11.05
2.6004E-03	3.0058E-02	11.05	2.7604E-03	3.0969E-02	11.04
2.9204E-03	3.1854E-02	11.04	3.0804E-03	3.2716E-02	11.03
3.2403E-03	3.3555E-02	11.02	3.4003E-03	3.4374E-02	11.02
3.5603E-03	3.5173E-02	11.01	3.7203E-03	3.5955E-02	11.00
3.8803E-03	3.6720E-02	11.00	4.0403E-03	3.7470E-02	10.99
4.2003E-03	3.8205E-02	10.99	4.3603E-03	3.8926E-02	10.98
4.5202E-03	3.9634E-02	10.97	4.6802E-03	4.0329E-02	10.97
4.8402E-03	4.1013E-02	10.96	5.0002E-03	4.1685E-02	10.96
5.1602E-03	4.2347E-02	10.95	5.3202E-03	4.2998E-02	10.95
5.4802E-03	4.3640E-02	10.94	5.6402E-03	4.4272E-02	10.93
5.8002E-03	4.4895E-02	10.93	5.9602E-03	4.5510E-02	10.92
6.1202E-03	4.6117E-02	10.92	6.2802E-03	4.6715E-02	10.91
6.4402E-03	4.7306E-02	10.91	6.6002E-03	4.7890E-02	10.90
6.7602E-03	4.8467E-02	10.90	6.9202E-03	4.9037E-02	10.89
7.0802E-03	4.9600E-02	10.88	7.2402E-03	5.0157E-02	10.88
7.4001E-03	5.0707E-02	10.87	7.5601E-03	5.1252E-02	10.87
7.7201E-03	5.1791E-02	10.86	7.8801E-03	5.2325E-02	10.86
8.0401E-03	5.2853E-02	10.85	8.2001E-03	5.3375E-02	10.85
8.3601E-03	5.3893E-02	10.84	8.5201E-03	5.4406E-02	10.84
8.6801E-03	5.4914E-02	10.83	8.8401E-03	5.5417E-02	10.83
9.0001E-03	5.5915E-02	10.82	9.1601E-03	5.6410E-02	10.82
9.3201E-03	5.6900E-02	10.81	9.4801E-03	5.7385E-02	10.81
9.6401E-03	5.7867E-02	10.80	9.8001E-03	5.8345E-02	10.80
1.0141E-02	5.9345E-02	10.78	1.1210E-02	6.2353E-02	10.75

Table 3: Continuation of Table 2.

E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)	E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)
1.2809E-02	6.6655E-02	10.70	1.4408E-02	7.0693E-02	10.65
1.6007E-02	7.4510E-02	10.60	1.7606E-02	7.8138E-02	10.55
1.9206E-02	8.1602E-02	10.51	2.0805E-02	8.4922E-02	10.46
2.2405E-02	8.8113E-02	10.41	2.4005E-02	9.1190E-02	10.37
2.5604E-02	9.4162E-02	10.32	2.7204E-02	9.7040E-02	10.28
2.8804E-02	9.9831E-02	10.23	3.0404E-02	1.0254E-01	10.19
3.2003E-02	1.0518E-01	10.15	3.3603E-02	1.0776E-01	10.11
3.5203E-02	1.1027E-01	10.06	3.6803E-02	1.1272E-01	10.02
3.8403E-02	1.1512E-01	9.98	4.0003E-02	1.1746E-01	9.94
4.1603E-02	1.1976E-01	9.90	4.3203E-02	1.2201E-01	9.87
4.4802E-02	1.2422E-01	9.83	4.6402E-02	1.2638E-01	9.79
4.8002E-02	1.2851E-01	9.75	4.9602E-02	1.3060E-01	9.72
5.1202E-02	1.3265E-01	9.68	5.2802E-02	1.3467E-01	9.64
5.4402E-02	1.3665E-01	9.61	5.6002E-02	1.3860E-01	9.57
5.7602E-02	1.4053E-01	9.54	5.9202E-02	1.4242E-01	9.50
6.0802E-02	1.4428E-01	9.47	6.2402E-02	1.4612E-01	9.44
6.4002E-02	1.4793E-01	9.40	6.5602E-02	1.4971E-01	9.37
6.7202E-02	1.5147E-01	9.34	6.8802E-02	1.5321E-01	9.31
7.0402E-02	1.5492E-01	9.27	7.2001E-02	1.5661E-01	9.24
7.3601E-02	1.5828E-01	9.21	7.5201E-02	1.5993E-01	9.18
7.6801E-02	1.6156E-01	9.15	7.8401E-02	1.6317E-01	9.12
8.0001E-02	1.6476E-01	9.09	8.1601E-02	1.6633E-01	9.06
8.3201E-02	1.6788E-01	9.03	8.4801E-02	1.6942E-01	9.00
8.6401E-02	1.7094E-01	8.97	8.8001E-02	1.7244E-01	8.94
8.9601E-02	1.7393E-01	8.92	9.1201E-02	1.7540E-01	8.89
9.2801E-02	1.7685E-01	8.86	9.4401E-02	1.7829E-01	8.83
9.6001E-02	1.7971E-01	8.80	9.7601E-02	1.8112E-01	8.78
9.9201E-02	1.8252E-01	8.75	1.0810E-01	1.8989E-01	8.60
1.2408E-01	2.0244E-01	8.34	1.4007E-01	2.1393E-01	8.09
1.5607E-01	2.2448E-01	7.84	1.7206E-01	2.3420E-01	7.60
1.8805E-01	2.4318E-01	7.37	2.0405E-01	2.5151E-01	7.14
2.2004E-01	2.5923E-01	6.91	2.3604E-01	2.6638E-01	6.68
2.5204E-01	2.7304E-01	6.46	2.6803E-01	2.7921E-01	6.25
2.8403E-01	2.8491E-01	6.03	3.0003E-01	2.9019E-01	5.83
3.1603E-01	2.9513E-01	5.65	3.3202E-01	2.9969E-01	5.46
3.4802E-01	3.0390E-01	5.29	3.6402E-01	3.0781E-01	5.12
3.8002E-01	3.1137E-01	4.96	3.9602E-01	3.1460E-01	4.79
4.1201E-01	3.1760E-01	4.65	4.2801E-01	3.2041E-01	4.53
4.4401E-01	3.2297E-01	4.41	4.6001E-01	3.2527E-01	4.29
4.7601E-01	3.2735E-01	4.16	4.9201E-01	3.2923E-01	4.05
5.0801E-01	3.3094E-01	3.94	5.2401E-01	3.3249E-01	3.85
5.4001E-01	3.3388E-01	3.75	5.5601E-01	3.3511E-01	3.65
5.7200E-01	3.3617E-01	3.56	5.8800E-01	3.3709E-01	3.46
6.0400E-01	3.3786E-01	3.36	6.2000E-01	3.3854E-01	3.27
6.3600E-01	3.3915E-01	3.19	6.5200E-01	3.3965E-01	3.11
6.6800E-01	3.4002E-01	3.03	6.8400E-01	3.4026E-01	2.96
7.0000E-01	3.4037E-01	2.88	7.1600E-01	3.4039E-01	2.81
7.3200E-01	3.4036E-01	2.74	7.4800E-01	3.4030E-01	2.69
7.6400E-01	3.4017E-01	2.65	7.8000E-01	3.3996E-01	2.62
7.9600E-01	3.3965E-01	2.60	8.1200E-01	3.3924E-01	2.58
8.2800E-01	3.3880E-01	2.57	8.4400E-01	3.3829E-01	2.57
8.6000E-01	3.3772E-01	2.56	8.7600E-01	3.3712E-01	2.57
8.9200E-01	3.3647E-01	2.58	9.0800E-01	3.3576E-01	2.60
9.2400E-01	3.3502E-01	2.61	9.4000E-01	3.3428E-01	2.61
9.5600E-01	3.3349E-01	2.62	9.7200E-01	3.3264E-01	2.63

Table 4: Continuation of Table 3.

E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)	E_{out} (MeV)	PFNS (1/MeV)	Rel. Unc. (%)
9.8800E-01	3.3172E-01	2.64	1.0578E+00	3.2735E-01	2.64
1.1996E+00	3.1732E-01	2.49	1.3595E+00	3.0430E-01	2.15
1.5194E+00	2.8995E-01	1.87	1.6793E+00	2.7436E-01	1.82
1.8392E+00	2.5811E-01	1.93	1.9991E+00	2.4129E-01	2.10
2.1590E+00	2.2436E-01	2.24	2.3190E+00	2.0762E-01	2.36
2.4789E+00	1.9126E-01	2.44	2.6388E+00	1.7556E-01	2.52
2.7988E+00	1.6064E-01	2.60	2.9588E+00	1.4660E-01	2.67
3.1187E+00	1.3350E-01	2.77	3.2787E+00	1.2136E-01	2.87
3.4387E+00	1.1015E-01	2.98	3.5987E+00	9.9881E-02	3.10
3.7587E+00	9.0494E-02	3.23	3.9187E+00	8.1937E-02	3.37
4.0787E+00	7.4167E-02	3.52	4.2387E+00	6.7118E-02	3.68
4.3987E+00	6.0729E-02	3.85	4.5587E+00	5.4943E-02	4.04
4.7187E+00	4.9692E-02	4.23	4.8787E+00	4.4925E-02	4.44
5.0387E+00	4.0593E-02	4.65	5.1986E+00	3.6658E-02	4.87
5.3586E+00	3.3083E-02	5.10	5.5186E+00	2.9834E-02	5.33
5.6786E+00	2.6883E-02	5.56	5.8386E+00	2.4200E-02	5.80
5.9986E+00	2.1766E-02	6.05	6.1585E+00	1.9554E-02	6.32
6.3185E+00	1.7548E-02	6.61	6.4785E+00	1.5730E-02	6.93
6.6385E+00	1.4085E-02	7.26	6.7985E+00	1.2599E-02	7.62
6.9585E+00	1.1258E-02	8.01	7.1185E+00	1.0050E-02	8.43
7.2785E+00	8.9646E-03	8.87	7.4385E+00	7.9896E-03	9.34
7.5985E+00	7.1154E-03	9.85	7.7585E+00	6.3334E-03	10.38
7.9185E+00	5.6349E-03	10.93	8.0785E+00	5.0110E-03	11.51
8.2385E+00	4.4546E-03	12.12	8.3985E+00	3.9588E-03	12.74
8.5585E+00	3.5175E-03	13.39	8.7185E+00	3.1249E-03	14.06
8.8785E+00	2.7759E-03	14.74	9.0385E+00	2.4661E-03	15.44
9.1985E+00	2.1908E-03	16.14	9.3585E+00	1.9463E-03	16.86
9.5185E+00	1.7292E-03	17.58	9.6785E+00	1.5366E-03	18.31
9.8385E+00	1.3656E-03	19.04	1.0312E+01	9.4963E-04	21.15
1.1451E+01	3.9839E-04	26.18	1.3047E+01	1.2265E-04	33.29
1.4645E+01	3.7198E-05	40.54	1.6243E+01	1.1107E-05	48.34
1.7843E+01	3.2799E-06	56.93	1.9442E+01	9.6102E-07	66.20
2.1041E+01	2.7968E-07	75.94	2.2641E+01	8.0914E-08	85.99
2.4240E+01	2.3296E-08	96.28	2.5839E+01	6.6761E-09	106.75
2.7438E+01	1.9028E-09	117.43			

[illegible]

[illegible]

0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706
-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.395	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240
-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289
-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270																
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997
0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973
0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938
0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.858	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653
0.638	0.624	0.611	0.597	0.582	0.568	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.488	0.479	0.469
0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681
-0.646	-0.610	-0.573	-0.539																				

0.933	0.923	0.906	0.890	0.874	0.858	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624
0.611	0.597	0.582	0.568	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.488	0.479	0.469	0.458	0.446
0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.646	-0.610
-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.395	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188
-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286
-0.284	-0.281	-0.278	-0.274	-0.270																			
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995
0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970
0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933
0.923	0.906	0.890	0.874	0.858	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611
0.597	0.582	0.568	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.488	0.479	0.469	0.458	0.446	0.432
0.417	0.399	0.381	0.364	0.347	0.331</																		

0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991
0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963
0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.858
0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.568	0.557	0.548
0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347
0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454
-0.442	-0.433	-0.424	-0.415	-0.406	-0.395	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131
-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270	
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990
0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961
0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.				

0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958
0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.859	0.844	0.829	0.816
0.804	0.791	0.779	0.769	0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534
0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300
0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424
-0.415	-0.406	-0.395	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129
-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270				
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987
0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957
0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.859	0.844			

0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779
0.769	0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522
0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074
-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.395
-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139
-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270							
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984
0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952
0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769
0.757	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520
0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	

0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516
0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625
-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355
-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157
-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270										
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981
0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947
0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.757	0.744	0.732
0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514
0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682
-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338
-0.																							

0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728
-0.731	-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300
-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197
-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270													
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998
0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977
0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943
0.941	0.939	0.938	0.936	0.934	0.933	0.923	0.906	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.757	0.744	0.732	0.720	0.707	0.696
0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496
0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.625	-0.682	-0.712	-0.728	-0.731
-0.724	-0.706	-0.681	-0.646	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280
-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246
-0.280	-0.289	-																					

[illegible]

[illegible]

-0.274 -0.270

[illegible]

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992
0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.964
0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.874
0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.557
0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.364
0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.468
-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.136
-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270	-0.270

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991
0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963
0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859
0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548
0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347
0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454
-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131
-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270	

[illegible]

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990
0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961
0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859	0.844
0.829	0.816	0.804	0.791	0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542
0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331
0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724	-0.706	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442
-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129
-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270		
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993				

0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.958	0.957
0.955	0.954	0.952	0.951	0.949	0.948	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859	0.844	0.829	0.816	0.804
0.791	0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530
0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235
0.105	-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724	-0.707	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415
-0.406	-0.396	-0.384	-0.371	-0.355	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131
-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270					
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986
0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.958	0.957	0.955
0.954	0.952	0.951	0.949	0.948	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791
0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526
0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.417	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105
-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724	-0.707	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424</		

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981
0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.948
0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.758	0.744	0.732
0.707	0.696	0.685	0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514
0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.416	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.626	-0.682
-0.728	-0.731	-0.724	-0.707	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.355	-0.338
-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164
-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270											
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985					

0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976
0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.948	0.946	0.944	0.943	0.941
0.939	0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685
0.670	0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487
0.479	0.469	0.458	0.446	0.432	0.416	0.399	0.381	0.364	0.347	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724
-0.707	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260
-0.240	-0.222	-0.204	-0.188	-0.174	-0.161	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280
-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270															
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997
0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975
0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.948	0.946	0.944	0.943	0.941	0.939
0.938	0.936	0.934	0.933	0.924	0.907	0.890	0.874	0.859	0.844	0.829	0.816	0.804	0.791	0.779	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670
0.653	0.638	0.624	0.611	0.597	0.582	0.569	0.557	0.548	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479
0.469	0.458	0.446	0.																				

[illegible]

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994
0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.968
0.966	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.948	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.935	0.933	0.924
0.890	0.874	0.859	0.844	0.830	0.816	0.804	0.791	0.780	0.769	0.758	0.744	0.732	0.720	0.707	0.696	0.685	0.670	0.653	0.638	0.625	0.611	0.597
0.569	0.557	0.549	0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.416
0.381	0.363	0.346	0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.503	-0.626	-0.682	-0.712	-0.728	-0.731	-0.724	-0.707	-0.681	-0.647	-0.610	-0.573	-0.539
-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.161
-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281
-0.274	-0.270																					
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	
0.992	0.991	0.990	0.989	0.988	0.98																	

0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963
0.961	0.960	0.959	0.957	0.956	0.954	0.952	0.951	0.949	0.948	0.946	0.944	0.943	0.941	0.940	0.938	0.936	0.935	0.933	0.924	0.907	0.890	0.874	0.859
0.844	0.830	0.817	0.804	0.791	0.780	0.770	0.758	0.745	0.732	0.720	0.707	0.697	0.686	0.670	0.653	0.638	0.625	0.611	0.597	0.582	0.569	0.557	0.549
0.542	0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.416	0.399	0.381	0.363	0.346
0.331	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.504	-0.626	-0.682	-0.712	-0.728	-0.732	-0.724	-0.707	-0.681	-0.647	-0.610	-0.573	-0.539	-0.511	-0.487	-0.468	-0.454
-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.162	-0.151	-0.142	-0.136	-0.131
-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.286	-0.284	-0.281	-0.278	-0.274	-0.270	
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990
0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961
0.960	0.959	0.957	0.956	0.954	0.953	0.951	0.949	0.948	0.946	0.944	0.943	0.941	0.940	0.938	0.936	0.935	0.933	0.924	0.907	0.890	0.874	0.859	0.844
0.830	0.817	0.804	0.791	0.780	0.770	0.758	0.745	0.733	0.721	0.707	0.697	0.686	0.670	0.653	0.638	0.625	0.611	0.597	0.582	0.569	0.557	0.549	0.543
0.538	0.534	0.530	0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.446	0.432	0.416	0.399	0.381	0.363	0.346	0.331
0.315	0.300	0.235	0.105	-0.074	-0.307	-0.504	-0.626	-0.682	-0.712	-0.728	-0.732	-0.724	-0.707	-0.681	-0.647	-0.610	-0.573	-0.539	-0.				

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988
0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.962	0.960	0.959
0.956	0.954	0.953	0.951	0.949	0.948	0.946	0.945	0.943	0.941	0.940	0.938	0.936	0.935	0.933	0.924	0.907	0.890	0.874	0.859	0.844	0.830	0.817
0.792	0.780	0.770	0.758	0.745	0.733	0.721	0.708	0.697	0.686	0.671	0.653	0.638	0.625	0.612	0.597	0.582	0.569	0.557	0.549	0.543	0.538	0.534
0.526	0.522	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.331	0.315	0.300
0.105	-0.074	-0.307	-0.504	-0.626	-0.682	-0.712	-0.728	-0.732	-0.725	-0.707	-0.681	-0.647	-0.610	-0.573	-0.540	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424
-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.162	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129
-0.134	-0.139	-0.144	-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.289	-0.288	-0.287	-0.285	-0.283	-0.281	-0.277	-0.274	-0.270				
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988
0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.975	0.974	0.972	0.971	0.970</									

0.758	0.745	0.733	0.721	0.708	0.697	0.686	0.671	0.654	0.638	0.625	0.612	0.597	0.583	0.569	0.557	0.549	0.543	0.538	0.534	0.530	0.526	0.522	0.520
0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.105	-0.074	-0.307
-0.504	-0.626	-0.682	-0.712	-0.728	-0.732	-0.725	-0.707	-0.681	-0.647	-0.611	-0.573	-0.540	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384
-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.240	-0.222	-0.204	-0.188	-0.174	-0.162	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144
-0.150	-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.288	-0.288	-0.287	-0.285	-0.283	-0.280	-0.277	-0.274	-0.270								
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983
0.982	0.981	0.980	0.979	0.977	0.976	0.975	0.974	0.973	0.971	0.970	0.969	0.967	0.966	0.964	0.963	0.962	0.960	0.959	0.957	0.956	0.954	0.953	0.951
0.950	0.948	0.946	0.945	0.943	0.941	0.940	0.938	0.936	0.935	0.933	0.924	0.907	0.891	0.875	0.859	0.844	0.830	0.817	0.805	0.792	0.780	0.770	0.758
0.745	0.733	0.721	0.708	0.697	0.686	0.671	0.654	0.638	0.625	0.612	0.597	0.583	0.569	0.557	0.549	0.543	0.538	0.534	0.530	0.526	0.522	0.520	0.518
0.516	0.514	0.509	0.503	0.496	0.487	0.479	0.469	0.458	0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.504
-0.626	-0.682	-0.712	-0.728	-0.732	-0.725	-0.707	-0.681	-0.647	-0.611	-0.573	-0.540	-0.511	-0.487	-0.468	-0.454	-0.442	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371
-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.241	-0.222	-0.204	-0.188	-0.174	-0.162	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.151
-0.157	-0.164	-0.172	-0.197	-0.246	-0.280	-0.288	-0.288	-0.286	-0.285	-0.283	-0.280	-0.277	-0.274	-0.270									
1.000	1.000	1.000	1.000	1.00																			

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991	0.990	0.989	0.988	0.988	0.986	0.985	0.984	0.983	0.982	0.981
0.979	0.978	0.976	0.975	0.974	0.973	0.971	0.970	0.969	0.967	0.966	0.965	0.963	0.962	0.960	0.959	0.957	0.956	0.954	0.953	0.951	0.950	0.948
0.945	0.943	0.942	0.940	0.938	0.937	0.935	0.933	0.924	0.907	0.891	0.875	0.859	0.845	0.830	0.817	0.805	0.792	0.780	0.770	0.759	0.745	0.733
0.708	0.697	0.686	0.671	0.654	0.638	0.625	0.612	0.597	0.583	0.569	0.558	0.549	0.543	0.538	0.534	0.530	0.526	0.523	0.520	0.518	0.516	0.514
0.503	0.496	0.487	0.479	0.469	0.458	0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.105	-0.074	-0.307	-0.504	-0.626	-0.682
-0.729	-0.732	-0.725	-0.707	-0.681	-0.647	-0.611	-0.573	-0.540	-0.511	-0.487	-0.468	-0.454	-0.443	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338
-0.300	-0.280	-0.260	-0.241	-0.222	-0.204	-0.188	-0.174	-0.162	-0.151	-0.142	-0.136	-0.131	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.151	-0.157	-0.164
-0.197	-0.246	-0.279	-0.288	-0.288	-0.286	-0.285	-0.283	-0.280	-0.277	-0.274	-0.270											
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991	0.990	0.989	0.989	0.988	0.987	0.985	0.984	0.983	0.982	0.981	0.980
0.978	0.976	0.975	0.974	0.973	0.971	0.970	0.969	0.967	0.966	0.965	0.963	0.962	0.960	0.959	0.957	0.956	0.954	0.953	0.951	0.950	0.948	0.946
0.943	0.942	0.940	0.938	0.937	0.935	0.933	0.924	0.907	0.891	0.875	0.859	0.845	0.830	0.817	0.805	0.792	0.780	0.770	0.759	0.745	0.733	0.721
0.697	0.686	0.671	0.654	0.639	0.625	0.612	0.597	0.583	0.569	0.558	0.549	0.543	0.538	0.534	0.530	0.526	0.523					

[illegible]

0.995	0.994	0.994	0.993	0.992	0.991	0.990	0.990	0.989	0.988	0.987	0.986	0.985	0.983	0.982	0.981	0.980	0.979	0.978	0.976	0.975	0.974	0.973	0.971
0.970	0.969	0.967	0.966	0.965	0.963	0.962	0.960	0.959	0.958	0.956	0.955	0.953	0.951	0.950	0.948	0.947	0.945	0.943	0.942	0.940	0.938	0.937	0.935
0.934	0.924	0.907	0.891	0.875	0.860	0.845	0.831	0.818	0.805	0.792	0.781	0.771	0.759	0.746	0.733	0.721	0.708	0.697	0.686	0.671	0.654	0.639	0.625
0.612	0.598	0.583	0.569	0.558	0.549	0.543	0.538	0.534	0.530	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458	0.445
0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.626	-0.682	-0.712	-0.729	-0.732	-0.725	-0.707	-0.682	-0.647	-0.611
-0.574	-0.540	-0.511	-0.488	-0.468	-0.454	-0.443	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.241	-0.222	-0.204	-0.189
-0.174	-0.162	-0.151	-0.143	-0.136	-0.132	-0.129	-0.128	-0.129	-0.131	-0.134	-0.139	-0.144	-0.151	-0.157	-0.164	-0.172	-0.197	-0.246	-0.279	-0.288	-0.288	-0.286	-0.285
-0.283	-0.280	-0.277	-0.273	-0.270																			
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995
0.994	0.994	0.993	0.992	0.991	0.990	0.990	0.989	0.988	0.987	0.986	0.985	0.983	0.982	0.981	0.980	0.979	0.978	0.976	0.975	0.974	0.973	0.971	0.970
0.969	0.967	0.966	0.965	0.963	0.962	0.960	0.959	0.958	0.956	0.955	0.953	0.951	0.950	0.948	0.947	0.945	0.943	0.942	0.940	0.938	0.937	0.935	0.934
0.924	0.908	0.891	0.875	0.860	0.845	0.831	0.818	0.805	0.792	0.781	0.771	0.759	0.746	0.733	0.721	0.708	0.697	0.686	0.671	0.654	0.639	0.625	0.612
0.598	0.583	0.569	0.558	0.549	0.543	0.538	0.534	0.530	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458	0.445	0.432
0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.626	-0.682	-0.712	-0.729	-0.732	-0.725	-0.707	-0.682	-0.647	-0.611	-0.574
-0.540	-0.511	-0.488	-0.468	-0.454	-0.443</																		

-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.241	-0.222	-0.204	-0.189	-0.174	-0.162	-0.151	-0.143	-0.136	-0.132	-0.129
-0.129	-0.129	-0.131	-0.134	-0.139	-0.144	-0.151	-0.157	-0.164	-0.172	-0.197	-0.246	-0.279	-0.288	-0.288	-0.286	-0.285	-0.283	-0.280	-0.277	-0.273	-0.269		
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991	0.991	0.990
0.989	0.988	0.987	0.986	0.985	0.984	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.972	0.970	0.969	0.968	0.966	0.965	0.964	0.962	0.961
0.959	0.958	0.956	0.955	0.953	0.952	0.950	0.948	0.947	0.945	0.944	0.942	0.940	0.939	0.937	0.935	0.934	0.925	0.908	0.891	0.875	0.860	0.845	0.831
0.818	0.806	0.793	0.781	0.771	0.759	0.746	0.734	0.722	0.709	0.698	0.687	0.672	0.654	0.639	0.626	0.612	0.598	0.583	0.569	0.558	0.549	0.543	0.538
0.534	0.530	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458	0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315
0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.626	-0.683	-0.713	-0.729	-0.732	-0.725	-0.707	-0.682	-0.647	-0.611	-0.574	-0.540	-0.512	-0.488	-0.468	-0.455	-0.443	-0.433
-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.241	-0.222	-0.204	-0.189	-0.174	-0.162	-0.151	-0.143	-0.136	-0.132	-0.129	-0.129
-0.129	-0.131	-0.134	-0.139	-0.144	-0.151	-0.157	-0.164	-0.172	-0.197	-0.246	-0.279	-0.288	-0.288	-0.286	-0.285	-0.283	-0.280	-0.277	-0.273	-0.269			
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991</		

[illegible]

[illegible]

[illegible]

0.972	0.971	0.969	0.968	0.967	0.965	0.964	0.962	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.950	0.949	0.947	0.946	0.944	0.942	0.941	0.939	0.938
0.936	0.934	0.925	0.908	0.892	0.876	0.861	0.846	0.832	0.819	0.806	0.793	0.782	0.772	0.760	0.747	0.735	0.723	0.709	0.698	0.687	0.672	0.655	0.640
0.626	0.613	0.598	0.583	0.570	0.558	0.549	0.543	0.538	0.535	0.531	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458
0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.626	-0.683	-0.713	-0.729	-0.733	-0.726	-0.708	-0.682	-0.648
-0.611	-0.574	-0.540	-0.512	-0.488	-0.469	-0.455	-0.443	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.241	-0.222	-0.205
-0.189	-0.175	-0.162	-0.152	-0.143	-0.137	-0.132	-0.129	-0.129	-0.129	-0.131	-0.135	-0.139	-0.145	-0.151	-0.158	-0.165	-0.172	-0.197	-0.246	-0.279	-0.288	-0.287	-0.286
-0.284	-0.282	-0.280	-0.276	-0.273	-0.269																		
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996
0.995	0.995	0.994	0.993	0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972
0.971	0.969	0.968	0.967	0.965	0.964	0.962	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.950	0.949	0.947	0.946	0.944	0.942	0.941	0.939	0.938	0.936
0.934	0.925	0.908	0.892	0.876	0.861	0.846	0.832	0.819	0.806	0.793	0.782	0.772	0.760	0.747	0.735	0.723	0.709	0.698	0.687	0.672	0.655	0.640	0.626
0.613	0.598	0.583	0.570	0.558	0.549	0.543	0.538	0.535	0.531	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458	0.445
0.432	0.416	0.399	0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.627	-0.683	-0.713	-0.729	-0.733	-0.726	-0.708	-0.682	-0.648	-0.611
-0.574	-0.540	-0.512	-0.488	-0.469	-0.455	-0.443	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.319	-0.300	-0.280	-0.260	-0.241	-0.222	-0.205	-0.189
-0.175	-0.162	-0.152	-0.143	-0.137	-0.132	-0.129	-0.129	-0.129	-0.131	-0.135	-0.139	-0.145	-0.151	-0.158	-0.165	-0.172	-0.197	-0.246	-0.279	-0.288	-0.287	-0.286	-0.284
-0.282	-0.279	-0.276	-0.273	-0.269	</																		

0.993	0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.969	0.968
0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.925	0.908
0.892	0.876	0.861	0.846	0.832	0.819	0.807	0.794	0.782	0.772	0.760	0.747	0.735	0.723	0.710	0.699	0.687	0.672	0.655	0.640	0.626	0.613	0.598	0.583
0.570	0.558	0.550	0.543	0.538	0.535	0.531	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458	0.445	0.432	0.416	0.399
0.381	0.363	0.346	0.330	0.315	0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.627	-0.683	-0.713	-0.730	-0.733	-0.726	-0.708	-0.682	-0.648	-0.612	-0.574	-0.541	-0.512
-0.488	-0.469	-0.455	-0.443	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.320	-0.300	-0.280	-0.260	-0.241	-0.222	-0.205	-0.189	-0.175	-0.162	-0.152
-0.143	-0.137	-0.132	-0.130	-0.129	-0.129	-0.131	-0.135	-0.139	-0.145	-0.151	-0.158	-0.165	-0.172	-0.197	-0.246	-0.279	-0.288	-0.287	-0.286	-0.284	-0.282	-0.279	-0.276
-0.273	-0.269																						
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.997	0.996	0.996	0.995	0.995	0.994	0.993
0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.969	0.968	0.967
0.965	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.925	0.908	0.892
0.876	0.861	0.846	0.832	0.819	0.807	0.794	0.782	0.772	0.760	0.747	0.735	0.723	0.710	0.699	0.688	0.672	0.655	0.640	0.626	0.613	0.598	0.584	0.570
0.558	0.550	0.543	0.538	0.535	0.531	0.526	0.523	0.520	0.518	0.516	0.514	0.509	0.503	0.496	0.487	0.478	0.469	0.458	0.445	0.432	0.416	0.399	0.381
0.363	0.346	0.330	0.315	0.300	0.235	0.104	-0.074	-0.307	-0.504	-0.627	-0.683	-0.713	-0.730	-0.733	-0.726	-0.708	-0.682	-0.648	-0.612	-0.574	-0.541	-0.512	-0.488
-0.469	-0.455	-0.443	-0.433	-0.424	-0.415	-0.406	-0.396	-0.384	-0.371	-0.356	-0.338	-0.320	-0.300	-0.280	-0.260	-0.241	-0.222	-0.205	-0.189	-0.175	-0.162	-0.152	-0.143
-0.137	-0.132	-0.130	-0.129	-0.129	-0.131	-0.135	-0.13																

[illegible]

-0.074	-0.307	-0.505	-0.627	-0.684	-0.714	-0.730	-0.734	-0.726	-0.709	-0.683	-0.649	-0.612	-0.575	-0.541	-0.513	-0.489	-0.470	-0.456	-0.444	-0.434	-0.425	-0.416	-0.407
-0.396	-0.385	-0.371	-0.356	-0.339	-0.320	-0.300	-0.280	-0.261	-0.241	-0.223	-0.205	-0.189	-0.175	-0.163	-0.152	-0.144	-0.137	-0.133	-0.130	-0.130	-0.130	-0.132	-0.135
-0.140	-0.145	-0.151	-0.158	-0.165	-0.172	-0.198	-0.246	-0.279	-0.287	-0.287	-0.285	-0.284	-0.282	-0.279	-0.275	-0.272	-0.268						
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991	0.990	0.989	0.989	0.988	0.987
0.986	0.985	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.972	0.970	0.969	0.968	0.966	0.965	0.964	0.962	0.961	0.959	0.958	0.956
0.955	0.953	0.952	0.950	0.949	0.947	0.945	0.944	0.942	0.941	0.939	0.937	0.936	0.927	0.910	0.894	0.878	0.863	0.848	0.834	0.821	0.809	0.796	0.784
0.774	0.762	0.749	0.737	0.725	0.712	0.700	0.689	0.674	0.657	0.641	0.628	0.614	0.599	0.585	0.571	0.559	0.550	0.544	0.539	0.535	0.531	0.527	0.523
0.521	0.518	0.516	0.514	0.509	0.504	0.496	0.488	0.479	0.469	0.458	0.445	0.432	0.416	0.399	0.381	0.363	0.346	0.331	0.315	0.300	0.235	0.104	-0.074
-0.307	-0.505	-0.628	-0.684	-0.714	-0.731	-0.734	-0.727	-0.709	-0.683	-0.649	-0.612	-0.575	-0.542	-0.513	-0.489	-0.470	-0.456	-0.444	-0.434	-0.425	-0.416	-0.407	-0.397
-0.385	-0.371	-0.356	-0.339	-0.320	-0.300	-0.281	-0.261	-0.241	-0.223	-0.205	-0.190	-0.175	-0.163	-0.152	-0.144	-0.137	-0.133	-0.130	-0.130	-0.130	-0.132	-0.136	-0.140
-0.146	-0.152	-0.158	-0.165	-0.173	-0.198	-0.246	-0.279	-0.287	-0.286	-0.285	-0.283	-0.281	-0.278	-0.275	-0.272	-0.268							
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999
0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991	0.991	0.990	0.989	0.988	0.987	0.986
0.985	0.984	0.983	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.971	0.969	0.968	0.967	0.965	0.964	0.962	0.961	0.960	0.958	0.957	0.955
0.954	0.952																						

[illegible]

0.433	0.417	0.400	0.382	0.365	0.348	0.332	0.316	0.301	0.236	0.105	-0.074	-0.309	-0.508	-0.631	-0.687	-0.717	-0.733	-0.736	-0.728	-0.710	-0.685	-0.650	-0.614
-0.577	-0.544	-0.516	-0.492	-0.473	-0.459	-0.447	-0.437	-0.428	-0.419	-0.409	-0.399	-0.387	-0.373	-0.358	-0.340	-0.321	-0.302	-0.282	-0.262	-0.243	-0.225	-0.207	-0.191
-0.177	-0.165	-0.155	-0.146	-0.140	-0.135	-0.133	-0.132	-0.133	-0.135	-0.138	-0.143	-0.148	-0.154	-0.161	-0.168	-0.175	-0.200	-0.247	-0.279	-0.287	-0.286	-0.284	-0.282
-0.280	-0.277	-0.274	-0.270	-0.266																			
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.998	0.997	0.996
0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.976	0.975	0.974
0.973	0.972	0.970	0.969	0.968	0.966	0.965	0.964	0.962	0.961	0.959	0.958	0.956	0.955	0.953	0.952	0.950	0.949	0.947	0.946	0.944	0.942	0.941	0.939
0.931	0.914	0.898	0.883	0.868	0.853	0.839	0.826	0.814	0.801	0.790	0.780	0.768	0.754	0.742	0.730	0.716	0.705	0.693	0.678	0.660	0.645	0.631	0.617
0.602	0.587	0.573	0.561	0.552	0.545	0.540	0.536	0.532	0.528	0.524	0.522	0.519	0.517	0.515	0.511	0.505	0.497	0.489	0.480	0.470	0.459	0.447	0.433
0.417	0.400	0.382	0.365	0.348	0.332	0.317	0.301	0.236	0.105	-0.074	-0.309	-0.508	-0.631	-0.688	-0.717	-0.733	-0.736	-0.728	-0.711	-0.685	-0.651	-0.614	-0.578
-0.544	-0.516	-0.492	-0.473	-0.459	-0.447	-0.437	-0.428	-0.419	-0.410	-0.399	-0.387	-0.373	-0.358	-0.340	-0.322	-0.302	-0.282	-0.262	-0.243	-0.225	-0.207	-0.191	-0.177
-0.165	-0.155	-0.146	-0.140	-0.136	-0.133	-0.133	-0.133	-0.135	-0.138	-0.143	-0.148	-0.154	-0.161	-0.168	-0.175	-0.200	-0.247	-0.279	-0.287	-0.286	-0.284	-0.282	-0.280
-0.277	-0.274	-0.270	-0.266																				
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.998	0.997	0.996
0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973
0.972	0.970	0.969	0.968	0.966	0.965	0.964	0.962	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.947</						

0.237	0.106	-0.074	-0.310	-0.510	-0.633	-0.690	-0.719	-0.735	-0.737	-0.729	-0.711	-0.685	-0.651	-0.615	-0.579	-0.545	-0.517	-0.494	-0.475	-0.461	-0.449	-0.439	-0.430
-0.420	-0.411	-0.400	-0.388	-0.375	-0.359	-0.342	-0.323	-0.303	-0.283	-0.263	-0.244	-0.226	-0.208	-0.193	-0.179	-0.166	-0.156	-0.148	-0.142	-0.137	-0.135	-0.134	-0.135
-0.137	-0.140	-0.145	-0.150	-0.156	-0.163	-0.170	-0.177	-0.201	-0.248	-0.279	-0.287	-0.285	-0.283	-0.282	-0.279	-0.276	-0.273	-0.269	-0.265				
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991
0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.971	0.969	0.968	0.967	0.965	0.964
0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.951	0.949	0.948	0.946	0.945	0.943	0.942	0.933	0.917	0.901	0.886	0.871	0.857	0.843	0.830	0.818
0.805	0.793	0.783	0.771	0.758	0.745	0.733	0.719	0.708	0.696	0.680	0.663	0.647	0.632	0.618	0.603	0.588	0.574	0.562	0.553	0.546	0.541	0.537	0.533
0.529	0.525	0.522	0.520	0.518	0.516	0.511	0.506	0.498	0.490	0.481	0.471	0.460	0.448	0.434	0.419	0.401	0.384	0.366	0.349	0.333	0.318	0.302	0.237
0.106	-0.074	-0.310	-0.510	-0.633	-0.690	-0.719	-0.735	-0.737	-0.730	-0.711	-0.686	-0.652	-0.615	-0.579	-0.545	-0.517	-0.494	-0.475	-0.461	-0.449	-0.439	-0.430	-0.421
-0.411	-0.400	-0.389	-0.375	-0.359	-0.342	-0.323	-0.303	-0.283	-0.263	-0.244	-0.226	-0.208	-0.193	-0.179	-0.167	-0.156	-0.148	-0.142	-0.137	-0.135	-0.135	-0.135	-0.137
-0.141	-0.145	-0.150	-0.156	-0.163	-0.170	-0.177	-0.202	-0.248	-0.279	-0.287	-0.285	-0.283	-0.282	-0.279	-0.276	-0.273	-0.269	-0.265					
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990
0.989	0.988	0.988	0.987	0.986	0.985	0.984	0.983	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963
0.961	0.960	0.959	0.957	0.956	0.954	0.953	0.951	0.950	0.948	0.947	0.945	0.943	0.942	0.933	0.917	0.902	0.886	0.872	0.857	0.843	0.830	0.818	0.805
0.794	0.783	0.772	0.758	0.746	0.733	0.719	0.708	0.696	0.680	0.663	0.647	0.633	0.618	0.603	0.588	0.574	0.562	0.553	0.546	0.541	0.537	0.533	0.529

0.759	0.747	0.734	0.720	0.709	0.697	0.681	0.663	0.647	0.633	0.619	0.604	0.588	0.574	0.562	0.553	0.546	0.541	0.537	0.533	0.529	0.525	0.522	0.520
0.518	0.516	0.512	0.506	0.499	0.490	0.481	0.472	0.460	0.448	0.435	0.419	0.402	0.384	0.367	0.350	0.334	0.319	0.303	0.238	0.106	-0.074	-0.310	-0.511
-0.634	-0.691	-0.720	-0.735	-0.738	-0.730	-0.712	-0.686	-0.652	-0.616	-0.579	-0.546	-0.518	-0.495	-0.476	-0.462	-0.450	-0.440	-0.431	-0.421	-0.412	-0.401	-0.389	-0.375
-0.360	-0.342	-0.323	-0.304	-0.284	-0.264	-0.245	-0.226	-0.209	-0.193	-0.180	-0.167	-0.157	-0.149	-0.143	-0.138	-0.136	-0.135	-0.136	-0.138	-0.141	-0.146	-0.151	-0.157
-0.164	-0.171	-0.178	-0.202	-0.249	-0.280	-0.287	-0.285	-0.283	-0.281	-0.279	-0.276	-0.273	-0.269	-0.265									
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.995	0.994	0.993	0.992	0.992	0.991	0.990	0.989	0.988	0.987
0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.976	0.975	0.974	0.973	0.972	0.970	0.969	0.968	0.966	0.965	0.964	0.962	0.961	0.959	0.958
0.957	0.955	0.954	0.952	0.951	0.949	0.947	0.946	0.944	0.943	0.934	0.918	0.903	0.888	0.873	0.859	0.845	0.832	0.820	0.807	0.795	0.785	0.773	0.759
0.747	0.734	0.721	0.709	0.697	0.681	0.664	0.648	0.633	0.619	0.604	0.588	0.574	0.562	0.553	0.546	0.541	0.537	0.533	0.529	0.525	0.522	0.520	0.518
0.516	0.512	0.506	0.499	0.490	0.482	0.472	0.461	0.448	0.435	0.419	0.402	0.384	0.367	0.350	0.334	0.319	0.303	0.238	0.107	-0.074	-0.310	-0.511	-0.634
-0.691	-0.720	-0.736	-0.738	-0.730	-0.712	-0.686	-0.652	-0.616	-0.579	-0.546	-0.518	-0.495	-0.476	-0.462	-0.450	-0.440	-0.431	-0.422	-0.412	-0.401	-0.389	-0.376	-0.360
-0.342	-0.323	-0.304	-0.284	-0.264	-0.245	-0.226	-0.209	-0.194	-0.180	-0.168	-0.157	-0.149	-0.143	-0.138	-0.136	-0.136	-0.136	-0.138	-0.142	-0.146	-0.152	-0.158	-0.164
-0.171	-0.178	-0.203	-0.249	-0.280	-0.287	-0.285	-0.283	-0.281	-0.279	-0.276	-0.273	-0.269	-0.265										
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.995	0.994	0.993	0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.986
0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.972	0.970	0.969	0.968	0.967	0.965	0.964	0.962	0.961	0.960	0.958	0.957
0.955	0.954	0.952	0.951	0.949	0.948</																		

0.983	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.962	0.960	0.959	0.957	0.956	0.954	0.953
0.951	0.950	0.948	0.947	0.945	0.944	0.935	0.920	0.904	0.889	0.874	0.860	0.846	0.833	0.821	0.808	0.797	0.786	0.774	0.761	0.748	0.735	0.722	0.710
0.698	0.682	0.664	0.648	0.634	0.619	0.604	0.589	0.574	0.562	0.553	0.547	0.541	0.537	0.533	0.529	0.525	0.522	0.520	0.518	0.516	0.512	0.507	0.499
0.491	0.482	0.472	0.461	0.449	0.435	0.420	0.403	0.385	0.367	0.351	0.335	0.319	0.304	0.238	0.107	-0.074	-0.311	-0.512	-0.635	-0.692	-0.721	-0.736	-0.738
-0.731	-0.712	-0.686	-0.652	-0.616	-0.580	-0.547	-0.519	-0.496	-0.477	-0.463	-0.451	-0.441	-0.432	-0.422	-0.413	-0.402	-0.390	-0.376	-0.361	-0.343	-0.324	-0.304	-0.284
-0.265	-0.245	-0.227	-0.210	-0.194	-0.180	-0.168	-0.158	-0.150	-0.144	-0.139	-0.137	-0.137	-0.137	-0.137	-0.139	-0.143	-0.147	-0.153	-0.159	-0.165	-0.172	-0.179	-0.203
-0.250	-0.280	-0.287	-0.285	-0.283	-0.281	-0.279	-0.276	-0.272	-0.269	-0.265													
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999
0.999	0.999	0.998	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994	0.993	0.992	0.991	0.990	0.989	0.989	0.988	0.987	0.986	0.985	0.984	0.983
0.982	0.981	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.969	0.967	0.966	0.965	0.963	0.962	0.960	0.959	0.958	0.956	0.955	0.953	0.952
0.950	0.949	0.947	0.946	0.944	0.936	0.920	0.904	0.889	0.875	0.860	0.846	0.834	0.822	0.809	0.797	0.787	0.775	0.761	0.748	0.736	0.722	0.710	0.698
0.682	0.665	0.648	0.634	0.620	0.604	0.589	0.574	0.562	0.553	0.547	0.541	0.537	0.533	0.529	0.525	0.522	0.520	0.518	0.516	0.512	0.507	0.499	0.491
0.482	0.472	0.461	0.449	0.435	0.420	0.403	0.385	0.368	0.351	0.335	0.319	0.304	0.239	0.107	-0.074	-0.311	-0.512	-0.635	-0.692	-0.721	-0.736	-0.739	-0.731
-0.712	-0.686	-0.652	-0.616	-0.580	-0.547	-0.519	-0.496	-0.477	-0.463	-0.451	-0.441	-0.432	-0.423	-0.413	-0.402	-0.390	-0.376	-0.361	-0.343	-0.324	-0.304	-0.284	-0.265
-0.245	-0.227	-0.210	-0.194	-0.180	-0.168	-0.158	-0.150	-0.144	-0.140	-0.137	-0.137	-0.137	-0.140	-0.143	-0.147	-0.153	-0.159	-0.165	-0.172	-0.179	-0.204	-0.250	-0.280
-0.287	-0.285	-0.283	-0.281	-0.279	-0.276	-0.272	-0.269	-0.265															
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999
0.999	0.998	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.994	0.994													

0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.985	0.984	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.969
0.967	0.966	0.965	0.963	0.962	0.960	0.959	0.958	0.956	0.955	0.953	0.952	0.950	0.949	0.947	0.939	0.924	0.908	0.894	0.879	0.865	0.851	0.839	0.826
0.814	0.802	0.791	0.779	0.766	0.753	0.740	0.726	0.714	0.702	0.685	0.667	0.651	0.636	0.621	0.606	0.590	0.575	0.563	0.554	0.547	0.542	0.538	0.534
0.529	0.526	0.523	0.521	0.519	0.517	0.513	0.508	0.501	0.492	0.483	0.474	0.463	0.450	0.437	0.422	0.405	0.387	0.370	0.353	0.337	0.322	0.306	0.240
0.109	-0.074	-0.312	-0.514	-0.639	-0.695	-0.724	-0.739	-0.740	-0.732	-0.714	-0.688	-0.654	-0.618	-0.582	-0.549	-0.521	-0.498	-0.480	-0.466	-0.454	-0.444	-0.435	-0.425
-0.416	-0.405	-0.392	-0.378	-0.363	-0.345	-0.326	-0.306	-0.286	-0.266	-0.247	-0.229	-0.211	-0.196	-0.183	-0.171	-0.161	-0.153	-0.147	-0.142	-0.140	-0.140	-0.141	-0.143
-0.146	-0.151	-0.156	-0.162	-0.168	-0.175	-0.182	-0.206	-0.252	-0.281	-0.287	-0.285	-0.282	-0.280	-0.278	-0.275	-0.271	-0.268	-0.264					
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.997	0.997	0.996	0.996	0.995	0.995	0.994	0.993	0.993
0.992	0.991	0.990	0.989	0.988	0.987	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.970	0.969	0.967
0.966	0.965	0.963	0.962	0.961	0.959	0.958	0.956	0.955	0.953	0.952	0.951	0.949	0.948	0.939	0.924	0.909	0.894	0.880	0.865	0.852	0.839	0.827	0.814
0.802	0.792	0.780	0.766	0.753	0.740	0.726	0.714	0.702	0.686	0.667	0.651	0.636	0.621	0.606	0.590	0.575	0.563	0.554	0.547	0.542	0.538	0.534	0.529
0.526	0.523	0.521	0.519	0.517	0.513	0.508	0.501	0.492	0.483	0.474	0.463	0.450	0.437	0.422	0.405	0.387	0.370	0.353	0.337	0.322	0.306	0.241	0.109
-0.074	-0.312	-0.515	-0.639	-0.695	-0.724	-0.739	-0.741	-0.732	-0.714	-0.688	-0.654	-0.618	-0.582	-0.549	-0.522	-0.499	-0.480	-0.466	-0.455	-0.445	-0.435	-0.426	-0.416
-0.405	-0.393	-0.379	-0.363	-0.345	-0.326	-0.306	-0.286	-0.266	-0.247	-0.229	-0.212	-0.196	-0.183	-0.171	-0.161	-0.153	-0.147	-0.143	-0.140	-0.140	-0.141	-0.143	-0.146
-0.151	-0.156	-0.162	-0.169	-0.175	-0.182	-0.206	-0.252	-0.281	-0.287	-0.285	-0.282	-0.280	-0.278	-0.275	-0.271	-0.268	-0.263						
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.998	0.997	0.997	0.996	0.995	0.995	0.994	0.993	0.993	0.992
0.991	0.990	0.989	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.976	0.975	0.974	0.973	0.971	0.970	0.969	0.968	0.966
0.965																							

0.517 0.513 0.508 0.501 0.493 0.484 0.474 0.463 0.451 0.437 0.422 0.405 0.388 0.370 0.354 0.338 0.322 0.307 0.241 0.109 -0.073 -0.312 -0.515 -0.640
-0.696 -0.725 -0.739 -0.741 -0.733 -0.714 -0.688 -0.654 -0.618 -0.582 -0.550 -0.522 -0.499 -0.481 -0.467 -0.455 -0.445 -0.436 -0.426 -0.417 -0.406 -0.393 -0.379 -0.363
-0.345 -0.326 -0.307 -0.287 -0.267 -0.248 -0.229 -0.212 -0.197 -0.183 -0.171 -0.161 -0.153 -0.148 -0.143 -0.141 -0.141 -0.142 -0.144 -0.147 -0.152 -0.157 -0.163 -0.169
-0.176 -0.183 -0.207 -0.252 -0.281 -0.287 -0.285 -0.282 -0.280 -0.278 -0.274 -0.271 -0.267 -0.263
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.992 0.992 0.991 0.990 0.989
0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.973 0.972 0.971 0.970 0.969 0.967 0.966 0.965 0.963 0.962
0.960 0.959 0.958 0.956 0.955 0.953 0.952 0.950 0.949 0.941 0.926 0.911 0.896 0.882 0.868 0.854 0.841 0.829 0.816 0.804 0.794 0.782 0.768 0.755
0.742 0.728 0.716 0.703 0.687 0.669 0.652 0.637 0.622 0.606 0.591 0.576 0.564 0.554 0.547 0.542 0.538 0.534 0.530 0.526 0.523 0.521 0.519 0.517
0.514 0.508 0.501 0.493 0.484 0.474 0.463 0.451 0.438 0.422 0.405 0.388 0.370 0.354 0.338 0.323 0.307 0.241 0.109 -0.073 -0.312 -0.516 -0.640 -0.697
-0.725 -0.740 -0.741 -0.733 -0.714 -0.688 -0.654 -0.619 -0.583 -0.550 -0.523 -0.500 -0.481 -0.468 -0.456 -0.446 -0.436 -0.427 -0.417 -0.406 -0.394 -0.379 -0.364 -0.346
-0.327 -0.307 -0.287 -0.267 -0.248 -0.230 -0.212 -0.197 -0.184 -0.172 -0.162 -0.154 -0.148 -0.144 -0.142 -0.141 -0.142 -0.144 -0.148 -0.152 -0.157 -0.163 -0.170 -0.177
-0.184 -0.208 -0.252 -0.281 -0.287 -0.285 -0.282 -0.280 -0.277 -0.274 -0.271 -0.267 -0.263
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.994 0.994 0.993 0.992 0.991 0.991 0.990 0.989
0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.973 0.972 0.971 0.970 0.968 0.967 0.966 0.965 0.963 0.962
0.960 0.959 0.958 0.956 0.955 0.953 0.952 0.950 0.943 0.927 0.912 0.898 0.884 0.870 0.856 0.843 0.831 0.818 0.807 0.796 0.784 0.770 0.757 0.744
0.730 0.717 0.705 0.688 0.670 0.653 0.638 0.623 0.607 0.591 0.576 0.564 0.555 0.548 0.542 0.538 0.534 0.530 0.526 0.523 0.521 0.519 0.518 0.514
0.509 0.502 0.493 0.485 0.475 0.464 0.452 0.438 0.423 0.406 0.388 0.371 0.355 0.339 0.323 0.308 0.242 0.110 -0.073 -0.313 -0.517 -0.641 -0.698 -0.727
-0.741 -0.742 -0.734 -0.715 -0.689 -0.655 -0.619 -0.583 -0.551 -0.524 -0.501 -0.482 -0.469 -0.457 -0.447 -0.438 -0.428 -0.418 -0.407 -0.395 -0.380 -0.364 -0.346 -0.327
-0.308 -0.287 -0.268 -0.249 -0.231 -0.213 -0.198 -0.185 -0.173 -0.163 -0.155 -0.149 -0.145 -0.143 -0.143 -0.143 -0.146 -0.149 -0.154 -0.159 -0.165 -0.171 -0.178 -0.185
-0.209 -0.253 -0.281 -0.287 -0.285 -0.282 -0.280 -0.277 -0.274 -0.270 -0.266 -0.262
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.994 0.994 0.993 0.992 0.992 0.991 0.990 0.989
0.988 0.987 0.986 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.978 0.977 0.976 0.975 0.974 0.973 0.971 0.970 0.969 0.968 0.966 0.965 0.964 0.962
0.961 0.960 0.958 0.957 0.955 0.954 0.953 0.945 0.930 0.915 0.901 0.887 0.873 0.860 0.847 0.835 0.822 0.810 0.800 0.787 0.773 0.760 0.747 0.733
0.720 0.707 0.691 0.672 0.655 0.640 0.625 0.608 0.592 0.577 0.565 0.555 0.548 0.543 0.539 0.534 0.530 0.526 0.524 0.522 0.520 0.518 0.515 0.510
0.502 0.494 0.485 0.476 0.465 0.452 0.439 0.424 0.407 0.390 0.372 0.356 0.340 0.325 0.309 0.243 0.111 -0.073 -0.313 -0.518 -0.644 -0.700 -0.728 -0.743
-0.744 -0.735 -0.716 -0.690 -0.656 -0.620 -0.585 -0.552 -0.525 -0.503 -0.484 -0.471 -0.459 -0.449 -0.440 -0.430 -0.420 -0.408 -0.396 -0.382 -0.366 -0.348 -0.328 -0.309
-0.289 -0.269 -0.250 -0.232 -0.214 -0.200 -0.186 -0.174 -0.165 -0.157 -0.151 -0.147 -0.145 -0.145 -0.146 -0.148 -0.151 -0.156 -0.161 -0.167 -0.173 -0.180 -0.187 -0.210
-0.254 -0.282 -0.287 -0.284 -0.281 -0.279 -0.276 -0.273 -0.269 -0.265 -0.261
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.992 0.992 0.991 0.990 0.989
0.989 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.975 0.974 0.973 0.972 0.971 0.969 0.968 0.967 0.966 0.964 0.963
0.962 0.960 0.959 0.958 0.956 0.955 0.947 0.933 0.918 0.904 0.890 0.876 0.863 0.850 0.838 0.826 0.814 0.803 0.791 0.777 0.763 0.750 0.735 0.723
0.710 0.693 0.674 0.657 0.642 0.626 0.610 0.593 0.578 0.566 0.556 0.549 0.543 0.539 0.535 0.531 0.527 0.524 0.522 0.520 0.519 0.515 0.510 0.503
0.495 0.486 0.477 0.465 0.453 0.440 0.425 0.408 0.391 0.373 0.357 0.341 0.326 0.310 0.244 0.112 -0.073 -0.314 -0.520 -0.646 -0.703 -0.730 -0.744 -0.745
-0.736 -0.717 -0.690 -0.657 -0.621 -0.586 -0.554 -0.527 -0.504 -0.486 -0.473 -0.461 -0.451 -0.441 -0.432 -0.422 -0.410 -0.397 -0.383 -0.367 -0.349 -0.329 -0.310 -0.290
-0.270 -0.251 -0.233 -0.216 -0.201 -0.187 -0.176 -0.166 -0.158 -0.153 -0.149 -0.147 -0.147 -0.148 -0.150 -0.153 -0.158 -0.163 -0.169 -0.175 -0.182 -0.189 -0.212 -0.255
-0.282 -0.287 -0.284 -0.280 -0.278 -0.275 -0.272 -0.268 -0.264 -0.260
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992 0.991 0.990 0.990
0.989 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.972 0.971 0.970 0.969 0.967 0.966 0.965 0.964
0.962 0.961 0.960 0.958 0.957 0.949 0.935 0.921 0.907 0.893 0.880 0.866 0.854 0.842 0.829 0.817 0.806 0.794 0.780 0.767 0.753 0.738 0.725 0.712
0.695 0.676 0.659 0.643 0.628 0.611 0.594 0.579 0.567 0.557 0.550 0.544 0.540 0.535 0.531 0.527 0.524 0.522 0.521 0.519 0.516 0.511 0.504 0.496
0.487 0.477 0.466 0.454 0.441 0.426 0.409 0.392 0.375 0.358 0.342 0.327 0.311 0.245 0.112 -0.073 -0.315 -0.522 -0.648 -0.705 -0.732 -0.746 -0.746 -0.737
-0.718 -0.691 -0.658 -0.622 -0.587 -0.555 -0.528 -0.506 -0.488 -0.475 -0.463 -0.453 -0.443 -0.433 -0.423 -0.411 -0.399 -0.384 -0.368 -0.350 -0.330 -0.311 -0.291 -0.271
-0.252 -0.234 -0.217 -0.202 -0.189 -0.177 -0.168 -0.160 -0.155 -0.151 -0.149 -0.149 -0.150 -0.152 -0.155 -0.160 -0.165 -0.171 -0.177 -0.183 -0.190 -0.213 -0.256 -0.282

-0.286 -0.283 -0.279 -0.277 -0.274 -0.271 -0.267 -0.263 -0.259
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992 0.991 0.991 0.990
0.989 0.988 0.987 0.986 0.985 0.985 0.984 0.983 0.982 0.981 0.980 0.978 0.977 0.976 0.975 0.974 0.973 0.972 0.970 0.969 0.968 0.967 0.965 0.964
0.963 0.962 0.960 0.959 0.952 0.938 0.924 0.910 0.896 0.883 0.869 0.857 0.845 0.832 0.821 0.810 0.797 0.783 0.770 0.756 0.741 0.728 0.715 0.698
0.679 0.661 0.645 0.629 0.612 0.596 0.580 0.567 0.558 0.550 0.545 0.540 0.536 0.532 0.528 0.525 0.523 0.521 0.520 0.516 0.512 0.505 0.497 0.488
0.478 0.467 0.455 0.442 0.426 0.410 0.392 0.375 0.359 0.344 0.328 0.312 0.246 0.113 -0.073 -0.316 -0.524 -0.650 -0.707 -0.734 -0.747 -0.747 -0.738 -0.718
-0.692 -0.658 -0.623 -0.588 -0.556 -0.530 -0.508 -0.490 -0.477 -0.465 -0.455 -0.445 -0.435 -0.425 -0.413 -0.400 -0.385 -0.369 -0.351 -0.331 -0.312 -0.292 -0.272 -0.253
-0.235 -0.218 -0.203 -0.190 -0.179 -0.169 -0.162 -0.156 -0.153 -0.151 -0.151 -0.151 -0.154 -0.157 -0.162 -0.167 -0.173 -0.179 -0.185 -0.192 -0.215 -0.257 -0.282 -0.286
-0.282 -0.279 -0.276 -0.273 -0.269 -0.266 -0.262 -0.258
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.997 0.996 0.995 0.995 0.994 0.994 0.993 0.992 0.991 0.991 0.990
0.989 0.988 0.987 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.974 0.973 0.972 0.971 0.970 0.968 0.967 0.966 0.965
0.963 0.962 0.961 0.954 0.940 0.926 0.912 0.899 0.886 0.873 0.860 0.848 0.836 0.824 0.813 0.801 0.786 0.773 0.759 0.744 0.730 0.717 0.700 0.681
0.663 0.647 0.630 0.614 0.597 0.581 0.568 0.558 0.551 0.545 0.541 0.537 0.532 0.528 0.525 0.523 0.522 0.520 0.517 0.513 0.506 0.497 0.488 0.479
0.468 0.456 0.442 0.427 0.410 0.393 0.376 0.360 0.344 0.329 0.313 0.247 0.113 -0.073 -0.317 -0.525 -0.651 -0.708 -0.735 -0.748 -0.748 -0.739 -0.719 -0.693
-0.659 -0.624 -0.589 -0.558 -0.532 -0.510 -0.492 -0.478 -0.467 -0.457 -0.447 -0.437 -0.426 -0.414 -0.401 -0.387 -0.370 -0.352 -0.332 -0.313 -0.293 -0.273 -0.254 -0.236
-0.219 -0.205 -0.192 -0.180 -0.171 -0.163 -0.158 -0.154 -0.152 -0.152 -0.153 -0.156 -0.159 -0.163 -0.169 -0.174 -0.180 -0.187 -0.194 -0.216 -0.258 -0.282 -0.285 -0.282
-0.278 -0.275 -0.272 -0.268 -0.265 -0.261 -0.256
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.995 0.995 0.994 0.994 0.993 0.992 0.992 0.991 0.990
0.989 0.989 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.972 0.971 0.970 0.969 0.968 0.966 0.965
0.964 0.963 0.956 0.942 0.929 0.915 0.902 0.889 0.876 0.863 0.852 0.839 0.827 0.816 0.804 0.789 0.776 0.762 0.746 0.733 0.719 0.702 0.683 0.665
0.648 0.632 0.615 0.598 0.582 0.569 0.559 0.552 0.546 0.541 0.537 0.533 0.529 0.526 0.523 0.522 0.521 0.518 0.513 0.506 0.498 0.489 0.479 0.468
0.456 0.443 0.428 0.411 0.394 0.377 0.361 0.345 0.330 0.314 0.248 0.114 -0.073 -0.318 -0.527 -0.653 -0.710 -0.737 -0.750 -0.749 -0.739 -0.720 -0.693 -0.660
-0.625 -0.591 -0.559 -0.533 -0.511 -0.494 -0.480 -0.469 -0.458 -0.449 -0.438 -0.428 -0.416 -0.403 -0.388 -0.371 -0.353 -0.333 -0.314 -0.293 -0.274 -0.255 -0.237 -0.220
-0.206 -0.193 -0.182 -0.173 -0.165 -0.160 -0.156 -0.154 -0.154 -0.155 -0.158 -0.161 -0.165 -0.170 -0.176 -0.182 -0.189 -0.195 -0.217 -0.258 -0.282 -0.285 -0.281 -0.277
-0.274 -0.271 -0.267 -0.264 -0.260 -0.255
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.994 0.994 0.993 0.992 0.992 0.991 0.990
0.989 0.989 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.973 0.972 0.970 0.969 0.968 0.967 0.966
0.964 0.958 0.944 0.931 0.918 0.905 0.892 0.879 0.866 0.855 0.842 0.830 0.819 0.807 0.792 0.778 0.764 0.749 0.735 0.722 0.704 0.685 0.667 0.650
0.633 0.616 0.599 0.583 0.570 0.560 0.552 0.546 0.542 0.538 0.533 0.529 0.526 0.524 0.522 0.521 0.518 0.514 0.507 0.499 0.490 0.480 0.469 0.457
0.444 0.429 0.412 0.395 0.378 0.362 0.346 0.330 0.314 0.248 0.114 -0.073 -0.318 -0.528 -0.655 -0.712 -0.738 -0.751 -0.750 -0.740 -0.721 -0.694 -0.661 -0.626
-0.592 -0.560 -0.535 -0.513 -0.495 -0.482 -0.470 -0.460 -0.450 -0.440 -0.429 -0.417 -0.404 -0.389 -0.372 -0.354 -0.334 -0.314 -0.294 -0.275 -0.256 -0.238 -0.222 -0.207
-0.194 -0.183 -0.174 -0.167 -0.161 -0.158 -0.156 -0.156 -0.157 -0.159 -0.163 -0.167 -0.172 -0.178 -0.184 -0.190 -0.197 -0.219 -0.259 -0.282 -0.285 -0.280 -0.276 -0.273
-0.270 -0.266 -0.262 -0.258 -0.254
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.994 0.994 0.993 0.993 0.992 0.991 0.990
0.990 0.989 0.988 0.987 0.986 0.985 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.976 0.975 0.974 0.973 0.972 0.971 0.970 0.968 0.967 0.966
0.959 0.946 0.933 0.920 0.907 0.894 0.881 0.869 0.858 0.845 0.833 0.822 0.810 0.795 0.781 0.767 0.752 0.738 0.724 0.706 0.687 0.668 0.651 0.635
0.617 0.600 0.584 0.571 0.561 0.553 0.547 0.542 0.538 0.534 0.530 0.526 0.524 0.523 0.521 0.519 0.515 0.508 0.499 0.490 0.481 0.470 0.458 0.444
0.429 0.413 0.396 0.379 0.363 0.347 0.331 0.315 0.249 0.115 -0.073 -0.319 -0.530 -0.657 -0.714 -0.740 -0.752 -0.751 -0.741 -0.721 -0.695 -0.662 -0.627 -0.593
-0.562 -0.536 -0.515 -0.497 -0.484 -0.472 -0.462 -0.452 -0.441 -0.431 -0.418 -0.405 -0.390 -0.374 -0.355 -0.335 -0.315 -0.295 -0.276 -0.257 -0.239 -0.223 -0.208 -0.196
-0.185 -0.176 -0.168 -0.163 -0.159 -0.158 -0.159 -0.161 -0.164 -0.169 -0.174 -0.180 -0.186 -0.192 -0.198 -0.220 -0.260 -0.282 -0.284 -0.280 -0.275 -0.272 -0.269
-0.265 -0.261 -0.257 -0.253
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992 0.991 0.991
0.990 0.989 0.988 0.987 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.973 0.972 0.971 0.970 0.969 0.968 0.961

0.948 0.935 0.923 0.910 0.897 0.884 0.872 0.861 0.848 0.836 0.825 0.812 0.798 0.784 0.770 0.754 0.740 0.726 0.708 0.688 0.670 0.653 0.636 0.618
0.601 0.585 0.572 0.561 0.554 0.548 0.543 0.539 0.534 0.530 0.527 0.525 0.523 0.522 0.519 0.515 0.508 0.500 0.491 0.481 0.470 0.458 0.445 0.430
0.413 0.396 0.380 0.364 0.348 0.332 0.316 0.250 0.115 -0.073 -0.320 -0.531 -0.658 -0.715 -0.741 -0.753 -0.752 -0.741 -0.722 -0.695 -0.662 -0.628 -0.594 -0.563
-0.537 -0.516 -0.499 -0.486 -0.474 -0.464 -0.453 -0.443 -0.432 -0.420 -0.406 -0.391 -0.375 -0.356 -0.336 -0.316 -0.296 -0.277 -0.258 -0.240 -0.224 -0.210 -0.197 -0.186
-0.177 -0.170 -0.165 -0.161 -0.159 -0.160 -0.161 -0.163 -0.166 -0.171 -0.176 -0.181 -0.187 -0.193 -0.200 -0.221 -0.260 -0.282 -0.284 -0.279 -0.275 -0.271 -0.268 -0.264
-0.260 -0.256 -0.252
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992 0.991 0.991
0.990 0.989 0.988 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.973 0.972 0.970 0.969 0.963 0.950
0.938 0.925 0.912 0.900 0.887 0.875 0.863 0.851 0.839 0.828 0.815 0.801 0.787 0.772 0.756 0.742 0.728 0.710 0.690 0.672 0.654 0.637 0.620 0.602
0.586 0.572 0.562 0.554 0.548 0.543 0.539 0.535 0.531 0.527 0.525 0.524 0.522 0.520 0.516 0.509 0.501 0.492 0.482 0.471 0.459 0.446 0.431 0.414
0.397 0.380 0.364 0.349 0.333 0.317 0.250 0.116 -0.073 -0.321 -0.533 -0.660 -0.717 -0.742 -0.754 -0.753 -0.742 -0.722 -0.696 -0.663 -0.629 -0.595 -0.564 -0.539
-0.518 -0.500 -0.487 -0.476 -0.465 -0.455 -0.444 -0.433 -0.421 -0.407 -0.392 -0.376 -0.357 -0.337 -0.317 -0.297 -0.278 -0.259 -0.241 -0.225 -0.211 -0.198 -0.187 -0.178
-0.171 -0.166 -0.163 -0.161 -0.161 -0.162 -0.165 -0.168 -0.172 -0.177 -0.183 -0.189 -0.195 -0.201 -0.223 -0.261 -0.282 -0.283 -0.278 -0.274 -0.270 -0.267 -0.263 -0.259
-0.255 -0.251
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992 0.991 0.991
0.990 0.989 0.989 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.973 0.972 0.971 0.965 0.952 0.940
0.927 0.915 0.902 0.890 0.878 0.866 0.854 0.842 0.831 0.818 0.803 0.789 0.775 0.759 0.745 0.730 0.712 0.692 0.673 0.656 0.639 0.621 0.603 0.587
0.573 0.563 0.555 0.549 0.544 0.539 0.535 0.531 0.528 0.525 0.524 0.523 0.520 0.516 0.509 0.501 0.492 0.483 0.471 0.459 0.446 0.431 0.415 0.398
0.381 0.365 0.350 0.334 0.317 0.251 0.116 -0.073 -0.321 -0.534 -0.661 -0.718 -0.744 -0.755 -0.753 -0.743 -0.723 -0.696 -0.663 -0.629 -0.596 -0.565 -0.540 -0.519
-0.502 -0.489 -0.477 -0.467 -0.457 -0.446 -0.435 -0.422 -0.409 -0.393 -0.376 -0.358 -0.338 -0.318 -0.298 -0.279 -0.260 -0.242 -0.226 -0.212 -0.199 -0.189 -0.180 -0.173
-0.168 -0.164 -0.163 -0.163 -0.164 -0.166 -0.170 -0.174 -0.179 -0.185 -0.190 -0.196 -0.203 -0.224 -0.262 -0.282 -0.283 -0.278 -0.273 -0.269 -0.266 -0.262 -0.258 -0.254
-0.250
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.992 0.992 0.991
0.990 0.989 0.989 0.988 0.987 0.986 0.985 0.984 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.974 0.973 0.972 0.966 0.954 0.942 0.929
0.917 0.905 0.892 0.881 0.869 0.856 0.845 0.834 0.821 0.806 0.792 0.777 0.761 0.747 0.732 0.714 0.694 0.675 0.657 0.640 0.622 0.604 0.588 0.574
0.563 0.555 0.549 0.544 0.540 0.536 0.531 0.528 0.526 0.524 0.523 0.521 0.517 0.510 0.502 0.493 0.483 0.472 0.460 0.447 0.432 0.415 0.398 0.382
0.366 0.350 0.334 0.318 0.252 0.116 -0.074 -0.322 -0.535 -0.663 -0.719 -0.745 -0.756 -0.754 -0.743 -0.723 -0.697 -0.664 -0.630 -0.597 -0.566 -0.542 -0.521 -0.503
-0.491 -0.479 -0.468 -0.458 -0.447 -0.436 -0.423 -0.410 -0.394 -0.377 -0.359 -0.339 -0.319 -0.299 -0.280 -0.261 -0.243 -0.227 -0.213 -0.201 -0.190 -0.181 -0.174 -0.169
-0.166 -0.165 -0.165 -0.166 -0.168 -0.171 -0.176 -0.181 -0.186 -0.192 -0.198 -0.204 -0.225 -0.262 -0.282 -0.283 -0.277 -0.272 -0.268 -0.265 -0.261 -0.257 -0.253 -0.248
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.992 0.992 0.991
0.990 0.990 0.989 0.988 0.987 0.986 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.968 0.956 0.944 0.932 0.920
0.907 0.895 0.883 0.872 0.859 0.847 0.836 0.824 0.809 0.794 0.780 0.764 0.749 0.735 0.716 0.696 0.677 0.659 0.641 0.623 0.605 0.588 0.575 0.564
0.556 0.550 0.544 0.540 0.536 0.532 0.528 0.526 0.524 0.523 0.521 0.517 0.511 0.502 0.493 0.483 0.472 0.460 0.447 0.432 0.416 0.399 0.382 0.367
0.351 0.335 0.319 0.252 0.117 -0.074 -0.323 -0.537 -0.664 -0.721 -0.746 -0.757 -0.755 -0.744 -0.724 -0.697 -0.665 -0.631 -0.598 -0.568 -0.543 -0.522 -0.505 -0.492
-0.481 -0.470 -0.460 -0.449 -0.437 -0.425 -0.411 -0.395 -0.378 -0.360 -0.340 -0.320 -0.300 -0.280 -0.262 -0.244 -0.228 -0.214 -0.202 -0.191 -0.183 -0.176 -0.171 -0.168
-0.166 -0.166 -0.168 -0.170 -0.173 -0.178 -0.182 -0.188 -0.194 -0.199 -0.206 -0.226 -0.263 -0.282 -0.282 -0.276 -0.271 -0.267 -0.264 -0.260 -0.256 -0.252 -0.247
1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993 0.992 0.991
0.990 0.990 0.989 0.988 0.987 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.969 0.958 0.946 0.934 0.922 0.910
0.898 0.886 0.875 0.862 0.850 0.839 0.826 0.812 0.797 0.782 0.766 0.751 0.737 0.718 0.698 0.678 0.660 0.643 0.624 0.606 0.589 0.575 0.565 0.557
0.550 0.545 0.541 0.536 0.532 0.528 0.526 0.525 0.524 0.521 0.518 0.511 0.503 0.494 0.484 0.473 0.461 0.448 0.433 0.416 0.399 0.383 0.367 0.352
0.335 0.319 0.253 0.117 -0.074 -0.323 -0.538 -0.666 -0.722 -0.747 -0.758 -0.755 -0.744 -0.724 -0.698 -0.665 -0.632 -0.599 -0.569 -0.544 -0.524 -0.507 -0.494 -0.482
-0.472 -0.461 -0.450 -0.439 -0.426 -0.412 -0.396 -0.379 -0.361 -0.341 -0.321 -0.301 -0.281 -0.263 -0.245 -0.229 -0.215 -0.203 -0.193 -0.184 -0.177 -0.173 -0.169 -0.168
-0.168 -0.169 -0.172 -0.175 -0.179 -0.184 -0.189 -0.195 -0.201 -0.207 -0.227 -0.264 -0.282 -0.282 -0.276 -0.270 -0.266 -0.263 -0.259 -0.255 -0.251 -0.246

1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.994 0.994 0.993 0.993 0.992 0.991
0.991 0.990 0.989 0.988 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.980 0.979 0.978 0.977 0.971 0.960 0.948 0.936 0.924 0.912 0.900
0.889 0.877 0.865 0.853 0.842 0.829 0.814 0.800 0.785 0.769 0.754 0.739 0.720 0.700 0.680 0.662 0.644 0.625 0.607 0.590 0.576 0.565 0.557 0.551
0.545 0.541 0.537 0.532 0.529 0.526 0.525 0.524 0.522 0.518 0.511 0.503 0.494 0.484 0.473 0.461 0.448 0.433 0.417 0.400 0.383 0.368 0.352 0.336
0.320 0.253 0.117 -0.074 -0.324 -0.539 -0.667 -0.724 -0.748 -0.758 -0.756 -0.745 -0.725 -0.698 -0.666 -0.633 -0.600 -0.570 -0.546 -0.525 -0.508 -0.495 -0.484 -0.473
-0.463 -0.451 -0.440 -0.427 -0.413 -0.397 -0.380 -0.361 -0.341 -0.321 -0.301 -0.282 -0.264 -0.246 -0.230 -0.217 -0.204 -0.194 -0.186 -0.179 -0.174 -0.171 -0.170 -0.170
-0.171 -0.173 -0.177 -0.181 -0.186 -0.191 -0.197 -0.202 -0.208 -0.229 -0.264 -0.282 -0.281 -0.275 -0.270 -0.265 -0.262 -0.258 -0.254 -0.249 -0.245
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992 0.992
0.991 0.990 0.989 0.989 0.988 0.987 0.986 0.985 0.984 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.972 0.961 0.950 0.938 0.927 0.915 0.903 0.891
0.880 0.868 0.856 0.845 0.832 0.817 0.802 0.787 0.771 0.756 0.741 0.722 0.702 0.682 0.664 0.645 0.626 0.608 0.591 0.577 0.566 0.558 0.551 0.546
0.542 0.537 0.533 0.529 0.527 0.525 0.524 0.522 0.519 0.512 0.504 0.494 0.485 0.473 0.461 0.448 0.433 0.417 0.400 0.384 0.368 0.353 0.337 0.320
0.254 0.118 -0.074 -0.325 -0.540 -0.668 -0.725 -0.749 -0.759 -0.757 -0.746 -0.725 -0.699 -0.667 -0.633 -0.601 -0.571 -0.547 -0.527 -0.510 -0.497 -0.485 -0.475 -0.464
-0.453 -0.441 -0.428 -0.414 -0.398 -0.381 -0.362 -0.342 -0.322 -0.302 -0.283 -0.264 -0.247 -0.231 -0.218 -0.206 -0.195 -0.187 -0.180 -0.176 -0.173 -0.171 -0.171 -0.173
-0.175 -0.178 -0.183 -0.187 -0.193 -0.198 -0.204 -0.210 -0.230 -0.265 -0.282 -0.281 -0.274 -0.269 -0.264 -0.260 -0.256 -0.252 -0.248 -0.243
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.992 0.992
0.991 0.990 0.990 0.989 0.988 0.987 0.986 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.974 0.963 0.952 0.940 0.929 0.917 0.905 0.894 0.883
0.870 0.859 0.848 0.835 0.820 0.805 0.790 0.773 0.758 0.743 0.724 0.704 0.684 0.665 0.647 0.628 0.609 0.592 0.578 0.567 0.558 0.552 0.546 0.542
0.538 0.533 0.529 0.527 0.525 0.524 0.522 0.519 0.512 0.504 0.495 0.485 0.474 0.462 0.449 0.434 0.417 0.401 0.384 0.369 0.353 0.337 0.321 0.254
0.118 -0.074 -0.325 -0.542 -0.670 -0.726 -0.750 -0.760 -0.757 -0.746 -0.726 -0.699 -0.667 -0.634 -0.602 -0.572 -0.548 -0.528 -0.511 -0.499 -0.487 -0.476 -0.466 -0.454
-0.443 -0.429 -0.415 -0.399 -0.382 -0.363 -0.343 -0.323 -0.303 -0.284 -0.265 -0.248 -0.232 -0.219 -0.207 -0.197 -0.188 -0.182 -0.177 -0.174 -0.173 -0.173 -0.174 -0.177
-0.180 -0.184 -0.189 -0.194 -0.200 -0.205 -0.211 -0.231 -0.265 -0.282 -0.280 -0.273 -0.268 -0.263 -0.259 -0.255 -0.251 -0.247 -0.242
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.992 0.992
0.991 0.990 0.990 0.989 0.988 0.987 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.975 0.965 0.954 0.943 0.931 0.920 0.908 0.897 0.885 0.873
0.861 0.850 0.837 0.822 0.808 0.793 0.776 0.761 0.745 0.726 0.705 0.685 0.667 0.648 0.629 0.610 0.593 0.579 0.567 0.559 0.552 0.547 0.542 0.538
0.533 0.530 0.527 0.526 0.525 0.523 0.519 0.513 0.504 0.495 0.485 0.474 0.462 0.449 0.434 0.418 0.401 0.385 0.369 0.354 0.338 0.321 0.254 0.118
-0.074 -0.326 -0.543 -0.671 -0.727 -0.751 -0.761 -0.758 -0.747 -0.726 -0.700 -0.668 -0.635 -0.603 -0.573 -0.550 -0.530 -0.513 -0.500 -0.489 -0.478 -0.467 -0.455 -0.444
-0.430 -0.416 -0.400 -0.383 -0.364 -0.344 -0.324 -0.304 -0.285 -0.266 -0.249 -0.233 -0.220 -0.208 -0.198 -0.190 -0.183 -0.179 -0.176 -0.174 -0.175 -0.176 -0.178 -0.182
-0.186 -0.190 -0.196 -0.201 -0.207 -0.212 -0.232 -0.266 -0.282 -0.280 -0.273 -0.267 -0.262 -0.258 -0.254 -0.250 -0.246 -0.241
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993 0.992
0.991 0.991 0.990 0.989 0.988 0.988 0.987 0.986 0.985 0.984 0.983 0.983 0.982 0.977 0.966 0.956 0.945 0.933 0.922 0.910 0.899 0.888 0.876 0.864
0.853 0.840 0.825 0.810 0.795 0.778 0.763 0.747 0.728 0.707 0.687 0.668 0.649 0.630 0.611 0.594 0.580 0.568 0.560 0.553 0.547 0.543 0.539 0.534
0.530 0.527 0.526 0.525 0.523 0.520 0.513 0.505 0.496 0.486 0.474 0.462 0.449 0.434 0.418 0.401 0.385 0.370 0.354 0.338 0.321 0.255 0.118 -0.074
-0.327 -0.544 -0.672 -0.729 -0.752 -0.762 -0.759 -0.747 -0.727 -0.700 -0.668 -0.636 -0.604 -0.575 -0.551 -0.531 -0.514 -0.502 -0.490 -0.479 -0.468 -0.457 -0.445 -0.432
-0.417 -0.401 -0.384 -0.365 -0.345 -0.325 -0.305 -0.286 -0.267 -0.250 -0.234 -0.221 -0.209 -0.199 -0.191 -0.185 -0.180 -0.177 -0.176 -0.176 -0.178 -0.180 -0.183 -0.187
-0.192 -0.197 -0.203 -0.208 -0.214 -0.233 -0.266 -0.281 -0.279 -0.272 -0.266 -0.261 -0.257 -0.253 -0.249 -0.244 -0.240
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993 0.992
0.991 0.991 0.990 0.989 0.988 0.988 0.987 0.986 0.985 0.984 0.984 0.983 0.978 0.968 0.957 0.946 0.935 0.924 0.913 0.902 0.891 0.878 0.867 0.855
0.843 0.828 0.813 0.797 0.781 0.765 0.749 0.730 0.709 0.689 0.670 0.651 0.631 0.612 0.595 0.580 0.569 0.560 0.553 0.548 0.543 0.539 0.534 0.531
0.528 0.526 0.525 0.524 0.520 0.514 0.505 0.496 0.486 0.475 0.463 0.450 0.435 0.418 0.402 0.386 0.370 0.355 0.338 0.322 0.255 0.119 -0.075 -0.327
-0.545 -0.673 -0.730 -0.753 -0.762 -0.759 -0.747 -0.727 -0.701 -0.669 -0.636 -0.604 -0.576 -0.552 -0.533 -0.516 -0.503 -0.492 -0.481 -0.470 -0.458 -0.446 -0.433 -0.418
-0.402 -0.385 -0.365 -0.345 -0.325 -0.305 -0.286 -0.268 -0.251 -0.236 -0.222 -0.210 -0.200 -0.192 -0.186 -0.182 -0.179 -0.178 -0.178 -0.179 -0.182 -0.185 -0.189 -0.194
-0.199 -0.204 -0.209 -0.215 -0.234 -0.267 -0.281 -0.278 -0.271 -0.265 -0.260 -0.256 -0.252 -0.247 -0.243 -0.238
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992

0.991 0.991 0.990 0.989 0.989 0.988 0.987 0.986 0.986 0.985 0.984 0.979 0.969 0.959 0.948 0.938 0.926 0.915 0.904 0.893 0.881 0.869 0.858 0.845
0.830 0.815 0.800 0.783 0.767 0.751 0.732 0.711 0.690 0.671 0.652 0.632 0.613 0.596 0.581 0.570 0.561 0.554 0.548 0.544 0.540 0.535 0.531 0.528
0.527 0.526 0.524 0.521 0.514 0.506 0.497 0.486 0.475 0.463 0.450 0.435 0.419 0.402 0.386 0.371 0.355 0.339 0.322 0.255 0.119 -0.075 -0.328 -0.546
-0.674 -0.731 -0.754 -0.763 -0.760 -0.748 -0.727 -0.701 -0.669 -0.637 -0.605 -0.577 -0.553 -0.534 -0.517 -0.505 -0.493 -0.482 -0.471 -0.459 -0.447 -0.434 -0.419 -0.403
-0.385 -0.366 -0.346 -0.326 -0.306 -0.287 -0.269 -0.252 -0.237 -0.223 -0.212 -0.202 -0.194 -0.188 -0.183 -0.180 -0.179 -0.180 -0.181 -0.183 -0.186 -0.190 -0.195 -0.200
-0.205 -0.211 -0.216 -0.235 -0.267 -0.281 -0.278 -0.270 -0.264 -0.259 -0.255 -0.250 -0.246 -0.242 -0.237
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.993 0.993 0.992
0.992 0.991 0.990 0.990 0.989 0.988 0.987 0.987 0.986 0.985 0.980 0.971 0.961 0.950 0.940 0.929 0.917 0.906 0.895 0.883 0.872 0.860 0.848 0.832
0.818 0.802 0.785 0.769 0.753 0.734 0.713 0.692 0.673 0.653 0.633 0.614 0.597 0.582 0.570 0.562 0.555 0.549 0.544 0.540 0.535 0.531 0.528 0.527
0.526 0.524 0.521 0.515 0.506 0.497 0.487 0.475 0.463 0.450 0.435 0.419 0.402 0.387 0.371 0.356 0.339 0.323 0.256 0.119 -0.075 -0.329 -0.547 -0.676
-0.732 -0.755 -0.764 -0.760 -0.748 -0.727 -0.701 -0.670 -0.638 -0.606 -0.578 -0.555 -0.535 -0.519 -0.506 -0.495 -0.484 -0.473 -0.461 -0.449 -0.435 -0.420 -0.404 -0.386
-0.367 -0.347 -0.327 -0.307 -0.288 -0.270 -0.253 -0.238 -0.224 -0.213 -0.203 -0.195 -0.189 -0.185 -0.182 -0.181 -0.181 -0.182 -0.185 -0.188 -0.192 -0.197 -0.202 -0.207
-0.212 -0.218 -0.236 -0.268 -0.281 -0.277 -0.269 -0.263 -0.258 -0.254 -0.249 -0.245 -0.240 -0.236
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.992
0.992 0.991 0.990 0.990 0.989 0.988 0.987 0.987 0.986 0.981 0.972 0.962 0.952 0.941 0.931 0.919 0.909 0.898 0.886 0.874 0.863 0.850 0.835 0.820
0.804 0.787 0.771 0.755 0.736 0.714 0.694 0.674 0.654 0.635 0.615 0.598 0.583 0.571 0.562 0.555 0.549 0.545 0.540 0.536 0.532 0.529 0.527 0.526
0.525 0.522 0.515 0.507 0.497 0.487 0.476 0.464 0.451 0.436 0.419 0.403 0.387 0.372 0.356 0.340 0.323 0.256 0.119 -0.075 -0.329 -0.548 -0.677 -0.733
-0.756 -0.764 -0.760 -0.748 -0.728 -0.702 -0.670 -0.638 -0.607 -0.579 -0.556 -0.537 -0.520 -0.508 -0.496 -0.485 -0.474 -0.462 -0.450 -0.436 -0.421 -0.405 -0.387 -0.368
-0.348 -0.328 -0.308 -0.289 -0.271 -0.254 -0.239 -0.225 -0.214 -0.204 -0.197 -0.190 -0.186 -0.183 -0.182 -0.183 -0.184 -0.186 -0.189 -0.194 -0.198 -0.203 -0.208 -0.214
-0.219 -0.237 -0.268 -0.281 -0.277 -0.269 -0.262 -0.257 -0.252 -0.248 -0.244 -0.239 -0.234
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.992
0.992 0.991 0.990 0.990 0.989 0.988 0.988 0.987 0.983 0.974 0.964 0.954 0.943 0.933 0.922 0.911 0.900 0.888 0.876 0.865 0.852 0.837 0.822 0.806
0.789 0.773 0.757 0.738 0.716 0.695 0.675 0.656 0.636 0.616 0.598 0.584 0.572 0.563 0.556 0.550 0.545 0.541 0.536 0.532 0.529 0.528 0.527 0.525
0.522 0.516 0.507 0.498 0.488 0.476 0.464 0.451 0.436 0.420 0.403 0.387 0.372 0.357 0.340 0.323 0.256 0.119 -0.075 -0.330 -0.549 -0.678 -0.734 -0.757
-0.765 -0.761 -0.749 -0.728 -0.702 -0.671 -0.639 -0.608 -0.580 -0.557 -0.538 -0.522 -0.509 -0.498 -0.486 -0.475 -0.463 -0.451 -0.437 -0.422 -0.406 -0.388 -0.369 -0.348
-0.328 -0.308 -0.290 -0.271 -0.255 -0.239 -0.226 -0.215 -0.205 -0.198 -0.192 -0.188 -0.185 -0.184 -0.184 -0.186 -0.188 -0.191 -0.195 -0.200 -0.204 -0.210 -0.215 -0.220
-0.238 -0.269 -0.281 -0.276 -0.268 -0.261 -0.256 -0.251 -0.247 -0.243 -0.238 -0.233
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993
0.992 0.991 0.991 0.990 0.989 0.989 0.988 0.984 0.975 0.965 0.955 0.945 0.935 0.924 0.913 0.902 0.890 0.879 0.868 0.855 0.839 0.824 0.809 0.791
0.775 0.759 0.739 0.718 0.697 0.677 0.657 0.637 0.617 0.599 0.584 0.573 0.564 0.556 0.550 0.546 0.541 0.536 0.532 0.529 0.528 0.527 0.526 0.523
0.516 0.508 0.498 0.488 0.477 0.464 0.451 0.436 0.420 0.404 0.388 0.373 0.357 0.341 0.324 0.257 0.119 -0.076 -0.331 -0.550 -0.679 -0.735 -0.757 -0.765
-0.761 -0.749 -0.728 -0.702 -0.671 -0.639 -0.609 -0.581 -0.558 -0.539 -0.523 -0.511 -0.499 -0.488 -0.477 -0.464 -0.452 -0.438 -0.423 -0.406 -0.389 -0.369 -0.349 -0.329
-0.309 -0.290 -0.272 -0.256 -0.240 -0.227 -0.216 -0.207 -0.199 -0.193 -0.189 -0.186 -0.185 -0.186 -0.187 -0.189 -0.193 -0.197 -0.201 -0.206 -0.211 -0.216 -0.221 -0.239
-0.269 -0.280 -0.276 -0.267 -0.260 -0.255 -0.250 -0.246 -0.241 -0.237 -0.232
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993
0.992 0.991 0.991 0.990 0.989 0.989 0.985 0.976 0.967 0.957 0.947 0.937 0.926 0.915 0.904 0.893 0.881 0.870 0.857 0.842 0.827 0.811 0.793 0.777
0.761 0.741 0.719 0.698 0.678 0.658 0.638 0.618 0.600 0.585 0.573 0.564 0.557 0.551 0.546 0.542 0.537 0.533 0.530 0.528 0.528 0.526 0.523 0.517
0.508 0.499 0.488 0.477 0.465 0.452 0.437 0.421 0.404 0.388 0.373 0.358 0.341 0.324 0.257 0.119 -0.076 -0.331 -0.552 -0.680 -0.736 -0.758 -0.766 -0.761
-0.749 -0.728 -0.702 -0.671 -0.640 -0.609 -0.582 -0.559 -0.541 -0.525 -0.512 -0.501 -0.489 -0.478 -0.466 -0.453 -0.439 -0.424 -0.407 -0.389 -0.370 -0.350 -0.330 -0.310
-0.291 -0.273 -0.257 -0.241 -0.229 -0.217 -0.208 -0.200 -0.195 -0.190 -0.188 -0.187 -0.187 -0.189 -0.191 -0.194 -0.198 -0.202 -0.207 -0.212 -0.217 -0.223 -0.240 -0.269
-0.280 -0.275 -0.266 -0.259 -0.254 -0.249 -0.245 -0.240 -0.236 -0.231
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993
0.992 0.991 0.991 0.990 0.989 0.986 0.977 0.968 0.959 0.949 0.938 0.928 0.917 0.907 0.895 0.883 0.872 0.859 0.844 0.829 0.813 0.795 0.779 0.762

0.743 0.721 0.700 0.679 0.659 0.639 0.619 0.601 0.586 0.574 0.565 0.557 0.551 0.547 0.542 0.537 0.533 0.530 0.528 0.528 0.526 0.524 0.517 0.508
0.499 0.489 0.477 0.465 0.452 0.437 0.421 0.404 0.389 0.374 0.358 0.341 0.325 0.257 0.120 -0.076 -0.332 -0.553 -0.681 -0.737 -0.759 -0.766 -0.762 -0.749
-0.728 -0.702 -0.672 -0.640 -0.610 -0.583 -0.560 -0.542 -0.526 -0.514 -0.502 -0.491 -0.479 -0.467 -0.454 -0.440 -0.425 -0.408 -0.390 -0.371 -0.351 -0.331 -0.311 -0.292
-0.274 -0.258 -0.242 -0.230 -0.219 -0.209 -0.202 -0.196 -0.192 -0.189 -0.188 -0.189 -0.190 -0.193 -0.196 -0.200 -0.204 -0.209 -0.214 -0.219 -0.224 -0.241 -0.270 -0.280
-0.275 -0.266 -0.258 -0.253 -0.248 -0.244 -0.239 -0.234 -0.230
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993 0.993
0.992 0.992 0.991 0.990 0.986 0.978 0.970 0.960 0.950 0.940 0.930 0.919 0.909 0.897 0.885 0.874 0.861 0.846 0.831 0.815 0.797 0.781 0.764 0.744
0.722 0.701 0.681 0.660 0.640 0.620 0.602 0.587 0.575 0.565 0.558 0.552 0.547 0.543 0.538 0.533 0.530 0.529 0.528 0.527 0.524 0.518 0.509 0.499
0.489 0.478 0.465 0.452 0.437 0.421 0.405 0.389 0.374 0.358 0.342 0.325 0.258 0.120 -0.076 -0.332 -0.553 -0.682 -0.738 -0.759 -0.767 -0.762 -0.749 -0.729
-0.703 -0.672 -0.641 -0.611 -0.584 -0.561 -0.543 -0.527 -0.515 -0.503 -0.492 -0.480 -0.468 -0.455 -0.441 -0.426 -0.409 -0.391 -0.372 -0.351 -0.331 -0.311 -0.293 -0.275
-0.258 -0.243 -0.231 -0.220 -0.210 -0.203 -0.197 -0.193 -0.191 -0.190 -0.190 -0.192 -0.194 -0.197 -0.201 -0.205 -0.210 -0.215 -0.220 -0.225 -0.242 -0.270 -0.280 -0.274
-0.265 -0.257 -0.252 -0.247 -0.242 -0.238 -0.233 -0.228
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.996 0.995 0.994 0.994 0.993 0.993
0.992 0.992 0.991 0.987 0.980 0.971 0.962 0.952 0.942 0.932 0.921 0.911 0.899 0.888 0.876 0.863 0.848 0.833 0.817 0.799 0.783 0.766 0.746 0.724
0.702 0.682 0.661 0.641 0.621 0.603 0.587 0.575 0.566 0.558 0.552 0.548 0.543 0.538 0.534 0.531 0.529 0.529 0.527 0.525 0.518 0.509 0.500 0.489
0.478 0.466 0.453 0.438 0.422 0.405 0.389 0.374 0.359 0.342 0.325 0.258 0.120 -0.077 -0.333 -0.554 -0.683 -0.738 -0.760 -0.767 -0.762 -0.749 -0.729 -0.703
-0.672 -0.641 -0.611 -0.584 -0.563 -0.544 -0.529 -0.516 -0.505 -0.493 -0.482 -0.469 -0.456 -0.442 -0.427 -0.410 -0.392 -0.372 -0.352 -0.332 -0.312 -0.293 -0.276 -0.259
-0.244 -0.232 -0.221 -0.212 -0.204 -0.199 -0.195 -0.192 -0.191 -0.192 -0.193 -0.196 -0.199 -0.203 -0.207 -0.212 -0.216 -0.221 -0.226 -0.243 -0.271 -0.280 -0.273 -0.264
-0.256 -0.251 -0.246 -0.241 -0.237 -0.232 -0.227
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.996 0.995 0.995 0.994 0.993 0.993
0.992 0.992 0.988 0.981 0.972 0.963 0.954 0.944 0.933 0.923 0.913 0.901 0.890 0.878 0.865 0.850 0.835 0.819 0.801 0.784 0.768 0.748 0.725 0.704
0.683 0.663 0.642 0.622 0.603 0.588 0.576 0.567 0.559 0.553 0.548 0.544 0.538 0.534 0.531 0.529 0.529 0.528 0.525 0.518 0.510 0.500 0.490 0.478
0.466 0.453 0.438 0.422 0.405 0.390 0.375 0.359 0.343 0.326 0.258 0.120 -0.077 -0.334 -0.555 -0.684 -0.739 -0.760 -0.767 -0.762 -0.749 -0.729 -0.703 -0.673
-0.642 -0.612 -0.585 -0.564 -0.546 -0.530 -0.518 -0.506 -0.495 -0.483 -0.470 -0.457 -0.443 -0.427 -0.411 -0.392 -0.373 -0.353 -0.333 -0.313 -0.294 -0.276 -0.260 -0.245
-0.233 -0.222 -0.213 -0.206 -0.200 -0.196 -0.194 -0.193 -0.193 -0.195 -0.197 -0.200 -0.204 -0.208 -0.213 -0.218 -0.223 -0.228 -0.244 -0.271 -0.280 -0.273 -0.263 -0.256
-0.250 -0.245 -0.240 -0.236 -0.231 -0.226
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.996 0.996 0.996 0.995 0.995 0.994 0.994 0.993
0.992 0.989 0.982 0.973 0.965 0.955 0.945 0.935 0.925 0.915 0.903 0.892 0.881 0.867 0.852 0.837 0.821 0.803 0.786 0.769 0.749 0.727 0.705 0.684
0.664 0.643 0.622 0.604 0.589 0.576 0.567 0.559 0.553 0.548 0.544 0.539 0.534 0.531 0.530 0.529 0.528 0.525 0.519 0.510 0.501 0.490 0.479 0.466
0.453 0.438 0.422 0.406 0.390 0.375 0.360 0.343 0.326 0.258 0.120 -0.077 -0.334 -0.556 -0.684 -0.740 -0.761 -0.768 -0.762 -0.749 -0.729 -0.703 -0.673 -0.642
-0.613 -0.586 -0.565 -0.547 -0.531 -0.519 -0.507 -0.496 -0.484 -0.472 -0.458 -0.444 -0.428 -0.411 -0.393 -0.374 -0.353 -0.333 -0.314 -0.295 -0.277 -0.261 -0.246 -0.234
-0.223 -0.214 -0.207 -0.201 -0.198 -0.195 -0.194 -0.195 -0.196 -0.199 -0.202 -0.205 -0.210 -0.214 -0.219 -0.224 -0.229 -0.245 -0.271 -0.279 -0.272 -0.263 -0.255 -0.249
-0.244 -0.239 -0.235 -0.230 -0.225
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.993
0.990 0.983 0.975 0.966 0.957 0.947 0.937 0.927 0.917 0.905 0.894 0.883 0.870 0.854 0.839 0.823 0.805 0.788 0.771 0.751 0.728 0.707 0.686 0.665
0.644 0.623 0.605 0.589 0.577 0.568 0.560 0.553 0.549 0.544 0.539 0.535 0.532 0.530 0.530 0.528 0.526 0.519 0.511 0.501 0.490 0.479 0.467 0.454
0.439 0.423 0.406 0.391 0.376 0.360 0.343 0.326 0.259 0.120 -0.077 -0.335 -0.557 -0.685 -0.741 -0.761 -0.768 -0.762 -0.749 -0.729 -0.703 -0.673 -0.643 -0.613
-0.587 -0.566 -0.548 -0.533 -0.520 -0.509 -0.497 -0.485 -0.473 -0.460 -0.445 -0.429 -0.412 -0.394 -0.374 -0.354 -0.334 -0.314 -0.296 -0.278 -0.262 -0.247 -0.235 -0.224
-0.215 -0.208 -0.203 -0.199 -0.197 -0.196 -0.196 -0.198 -0.200 -0.203 -0.207 -0.211 -0.216 -0.220 -0.225 -0.230 -0.246 -0.272 -0.279 -0.272 -0.262 -0.254 -0.248 -0.243
-0.238 -0.233 -0.229 -0.224
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.994 0.991
0.984 0.976 0.967 0.958 0.949 0.939 0.929 0.919 0.907 0.896 0.885 0.872 0.856 0.841 0.824 0.807 0.790 0.772 0.752 0.730 0.708 0.687 0.666 0.645
0.624 0.606 0.590 0.578 0.568 0.560 0.554 0.549 0.545 0.539 0.535 0.532 0.530 0.530 0.529 0.526 0.520 0.511 0.501 0.491 0.479 0.467 0.454 0.439

0.423 0.406 0.391 0.376 0.360 0.344 0.327 0.259 0.120 -0.078 -0.335 -0.558 -0.686 -0.741 -0.762 -0.768 -0.762 -0.749 -0.729 -0.703 -0.673 -0.643 -0.614 -0.588
-0.567 -0.549 -0.534 -0.522 -0.510 -0.498 -0.487 -0.474 -0.461 -0.446 -0.430 -0.413 -0.395 -0.375 -0.355 -0.335 -0.315 -0.296 -0.279 -0.263 -0.248 -0.236 -0.225 -0.216
-0.209 -0.204 -0.200 -0.198 -0.197 -0.198 -0.199 -0.202 -0.205 -0.208 -0.212 -0.217 -0.222 -0.226 -0.231 -0.247 -0.272 -0.279 -0.271 -0.261 -0.253 -0.247 -0.242 -0.237
-0.232 -0.228 -0.223
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.994 0.991 0.985
0.977 0.969 0.960 0.950 0.940 0.931 0.920 0.909 0.898 0.886 0.873 0.858 0.843 0.826 0.808 0.791 0.774 0.754 0.731 0.709 0.688 0.667 0.646 0.625
0.606 0.591 0.578 0.569 0.561 0.554 0.550 0.545 0.540 0.535 0.532 0.531 0.530 0.529 0.527 0.520 0.511 0.502 0.491 0.479 0.467 0.454 0.439 0.423
0.407 0.391 0.376 0.361 0.344 0.327 0.259 0.120 -0.078 -0.336 -0.559 -0.687 -0.742 -0.762 -0.768 -0.762 -0.749 -0.729 -0.703 -0.673 -0.643 -0.615 -0.589 -0.568
-0.550 -0.535 -0.523 -0.511 -0.500 -0.488 -0.475 -0.462 -0.447 -0.431 -0.414 -0.395 -0.376 -0.355 -0.335 -0.316 -0.297 -0.279 -0.264 -0.249 -0.237 -0.226 -0.217 -0.211
-0.205 -0.202 -0.199 -0.199 -0.199 -0.201 -0.203 -0.206 -0.210 -0.214 -0.218 -0.223 -0.227 -0.232 -0.248 -0.273 -0.279 -0.271 -0.260 -0.252 -0.246 -0.241 -0.236 -0.231
-0.226 -0.221
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.995 0.992 0.986 0.978
0.970 0.961 0.952 0.942 0.932 0.922 0.911 0.900 0.888 0.875 0.860 0.844 0.828 0.810 0.793 0.776 0.755 0.733 0.710 0.689 0.668 0.646 0.626 0.607
0.591 0.579 0.569 0.561 0.555 0.550 0.546 0.540 0.536 0.532 0.531 0.530 0.529 0.527 0.521 0.512 0.502 0.491 0.480 0.468 0.454 0.439 0.423 0.407
0.391 0.377 0.361 0.344 0.327 0.259 0.120 -0.078 -0.336 -0.560 -0.688 -0.743 -0.763 -0.768 -0.763 -0.749 -0.729 -0.703 -0.674 -0.644 -0.615 -0.590 -0.569 -0.552
-0.536 -0.524 -0.513 -0.501 -0.489 -0.476 -0.463 -0.448 -0.432 -0.414 -0.396 -0.376 -0.356 -0.336 -0.316 -0.298 -0.280 -0.264 -0.250 -0.238 -0.227 -0.219 -0.212 -0.207
-0.203 -0.201 -0.200 -0.201 -0.202 -0.204 -0.207 -0.211 -0.215 -0.220 -0.224 -0.229 -0.233 -0.249 -0.273 -0.278 -0.270 -0.260 -0.251 -0.245 -0.240 -0.235 -0.230 -0.225
-0.220
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.995 0.993 0.986 0.979 0.971
0.963 0.953 0.944 0.934 0.924 0.913 0.901 0.890 0.877 0.862 0.846 0.830 0.812 0.795 0.777 0.757 0.734 0.712 0.690 0.669 0.647 0.627 0.608 0.592
0.579 0.570 0.562 0.555 0.551 0.546 0.540 0.536 0.533 0.531 0.531 0.530 0.527 0.521 0.512 0.502 0.492 0.480 0.468 0.455 0.440 0.424 0.407 0.392
0.377 0.361 0.345 0.327 0.259 0.120 -0.078 -0.337 -0.560 -0.688 -0.743 -0.763 -0.769 -0.763 -0.749 -0.729 -0.703 -0.674 -0.644 -0.616 -0.590 -0.570 -0.553 -0.538
-0.526 -0.514 -0.502 -0.490 -0.477 -0.464 -0.448 -0.432 -0.415 -0.397 -0.377 -0.357 -0.337 -0.317 -0.299 -0.281 -0.265 -0.251 -0.239 -0.228 -0.220 -0.213 -0.208 -0.204
-0.202 -0.201 -0.202 -0.204 -0.206 -0.209 -0.212 -0.217 -0.221 -0.225 -0.230 -0.234 -0.250 -0.273 -0.278 -0.270 -0.259 -0.250 -0.244 -0.239 -0.234 -0.229 -0.224 -0.219
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.996 0.993 0.987 0.980 0.972 0.964
0.955 0.945 0.936 0.926 0.915 0.903 0.892 0.879 0.864 0.848 0.832 0.813 0.796 0.779 0.758 0.735 0.713 0.691 0.670 0.648 0.627 0.608 0.593 0.580
0.570 0.562 0.556 0.551 0.546 0.541 0.536 0.533 0.531 0.531 0.530 0.528 0.521 0.512 0.503 0.492 0.480 0.468 0.455 0.440 0.424 0.407 0.392 0.377
0.362 0.345 0.328 0.260 0.120 -0.079 -0.337 -0.561 -0.689 -0.744 -0.763 -0.769 -0.763 -0.749 -0.728 -0.703 -0.674 -0.645 -0.616 -0.591 -0.571 -0.554 -0.539 -0.527
-0.515 -0.503 -0.491 -0.478 -0.464 -0.449 -0.433 -0.416 -0.397 -0.378 -0.357 -0.337 -0.318 -0.299 -0.282 -0.266 -0.252 -0.240 -0.229 -0.221 -0.214 -0.209 -0.206 -0.203
-0.203 -0.204 -0.205 -0.207 -0.210 -0.214 -0.218 -0.222 -0.227 -0.231 -0.236 -0.251 -0.274 -0.278 -0.269 -0.258 -0.249 -0.243 -0.237 -0.233 -0.228 -0.223 -0.218
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.996 0.994 0.988 0.981 0.973 0.965 0.956
0.947 0.937 0.928 0.916 0.905 0.894 0.881 0.866 0.850 0.833 0.815 0.798 0.780 0.759 0.737 0.714 0.692 0.671 0.649 0.628 0.609 0.593 0.581 0.571
0.563 0.556 0.551 0.547 0.541 0.537 0.533 0.532 0.531 0.530 0.528 0.522 0.513 0.503 0.492 0.480 0.468 0.455 0.440 0.424 0.408 0.392 0.378 0.362
0.345 0.328 0.260 0.120 -0.079 -0.338 -0.562 -0.690 -0.744 -0.764 -0.769 -0.762 -0.749 -0.728 -0.703 -0.674 -0.645 -0.617 -0.592 -0.572 -0.555 -0.540 -0.528 -0.516
-0.505 -0.492 -0.479 -0.465 -0.450 -0.434 -0.417 -0.398 -0.378 -0.358 -0.338 -0.318 -0.300 -0.282 -0.267 -0.253 -0.241 -0.231 -0.222 -0.215 -0.210 -0.207 -0.205 -0.204
-0.205 -0.206 -0.209 -0.212 -0.215 -0.219 -0.223 -0.228 -0.232 -0.237 -0.251 -0.274 -0.278 -0.268 -0.257 -0.248 -0.242 -0.236 -0.232 -0.227 -0.222 -0.217
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.997 0.997 0.994 0.989 0.982 0.975 0.967 0.958 0.949
0.939 0.929 0.918 0.907 0.896 0.883 0.867 0.852 0.835 0.817 0.799 0.782 0.761 0.738 0.715 0.694 0.672 0.650 0.629 0.610 0.594 0.581 0.571 0.563
0.556 0.552 0.547 0.541 0.537 0.533 0.532 0.531 0.531 0.528 0.522 0.513 0.503 0.492 0.481 0.468 0.455 0.440 0.424 0.408 0.393 0.378 0.362 0.345
0.328 0.260 0.120 -0.079 -0.338 -0.563 -0.690 -0.745 -0.764 -0.769 -0.762 -0.749 -0.728 -0.703 -0.674 -0.645 -0.618 -0.593 -0.573 -0.556 -0.541 -0.529 -0.518 -0.506
-0.493 -0.480 -0.466 -0.451 -0.435 -0.417 -0.399 -0.379 -0.359 -0.339 -0.319 -0.301 -0.283 -0.268 -0.253 -0.242 -0.232 -0.223 -0.217 -0.212 -0.208 -0.206 -0.206 -0.206
-0.208 -0.210 -0.213 -0.217 -0.221 -0.225 -0.229 -0.233 -0.238 -0.252 -0.274 -0.278 -0.268 -0.257 -0.248 -0.241 -0.235 -0.230 -0.226 -0.221 -0.216
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.997 0.995 0.990 0.983 0.976 0.968 0.959 0.950 0.941

0.931 0.920 0.909 0.898 0.885 0.869 0.853 0.837 0.818 0.801 0.783 0.762 0.739 0.717 0.695 0.673 0.651 0.630 0.611 0.595 0.582 0.572 0.563 0.557
0.552 0.547 0.542 0.537 0.534 0.532 0.532 0.531 0.529 0.522 0.513 0.503 0.493 0.481 0.469 0.455 0.440 0.424 0.408 0.393 0.378 0.362 0.346 0.328
0.260 0.120 -0.079 -0.339 -0.563 -0.691 -0.745 -0.764 -0.769 -0.762 -0.749 -0.728 -0.703 -0.674 -0.646 -0.618 -0.593 -0.574 -0.557 -0.542 -0.530 -0.519 -0.507 -0.495
-0.481 -0.467 -0.452 -0.436 -0.418 -0.399 -0.380 -0.359 -0.339 -0.320 -0.301 -0.284 -0.269 -0.254 -0.243 -0.233 -0.224 -0.218 -0.213 -0.210 -0.208 -0.207 -0.208 -0.209
-0.212 -0.214 -0.218 -0.222 -0.226 -0.230 -0.235 -0.239 -0.253 -0.275 -0.277 -0.267 -0.256 -0.247 -0.240 -0.234 -0.229 -0.224 -0.219 -0.214
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.998 0.995 0.990 0.984 0.977 0.969 0.961 0.952 0.942 0.933
0.922 0.910 0.899 0.886 0.871 0.855 0.839 0.820 0.802 0.785 0.764 0.741 0.718 0.696 0.674 0.652 0.630 0.611 0.595 0.582 0.572 0.564 0.557 0.552
0.548 0.542 0.537 0.534 0.532 0.532 0.531 0.529 0.523 0.514 0.504 0.493 0.481 0.469 0.455 0.441 0.424 0.408 0.393 0.378 0.363 0.346 0.328 0.260
0.120 -0.080 -0.339 -0.564 -0.691 -0.746 -0.764 -0.769 -0.762 -0.749 -0.728 -0.703 -0.674 -0.646 -0.619 -0.594 -0.574 -0.558 -0.543 -0.532 -0.520 -0.508 -0.496 -0.482
-0.468 -0.453 -0.436 -0.419 -0.400 -0.380 -0.360 -0.340 -0.320 -0.302 -0.285 -0.269 -0.255 -0.243 -0.234 -0.225 -0.219 -0.214 -0.211 -0.209 -0.208 -0.209 -0.211 -0.213
-0.216 -0.219 -0.223 -0.227 -0.231 -0.236 -0.240 -0.254 -0.275 -0.277 -0.267 -0.255 -0.246 -0.239 -0.233 -0.228 -0.223 -0.218 -0.213
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.998 0.996 0.991 0.985 0.978 0.970 0.962 0.953 0.944 0.934 0.923
0.912 0.901 0.888 0.873 0.857 0.840 0.822 0.804 0.786 0.765 0.742 0.719 0.697 0.675 0.653 0.631 0.612 0.596 0.583 0.573 0.564 0.557 0.553 0.548
0.542 0.538 0.534 0.532 0.532 0.531 0.529 0.523 0.514 0.504 0.493 0.481 0.469 0.456 0.441 0.425 0.408 0.393 0.379 0.363 0.346 0.328 0.260 0.120
-0.080 -0.340 -0.565 -0.692 -0.746 -0.765 -0.769 -0.762 -0.749 -0.728 -0.703 -0.675 -0.646 -0.619 -0.595 -0.575 -0.559 -0.545 -0.533 -0.521 -0.509 -0.497 -0.483 -0.469
-0.454 -0.437 -0.419 -0.401 -0.381 -0.360 -0.340 -0.321 -0.303 -0.285 -0.270 -0.256 -0.244 -0.235 -0.226 -0.220 -0.215 -0.212 -0.210 -0.210 -0.211 -0.212 -0.214 -0.217
-0.221 -0.224 -0.228 -0.233 -0.237 -0.241 -0.255 -0.275 -0.277 -0.266 -0.254 -0.245 -0.238 -0.232 -0.227 -0.222 -0.217 -0.212
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.998 0.998 0.996 0.992 0.986 0.979 0.971 0.963 0.954 0.945 0.936 0.925 0.914
0.903 0.890 0.874 0.859 0.842 0.823 0.805 0.787 0.766 0.743 0.720 0.698 0.676 0.653 0.632 0.613 0.596 0.583 0.573 0.565 0.558 0.553 0.548 0.543
0.538 0.534 0.533 0.532 0.532 0.530 0.523 0.514 0.504 0.493 0.481 0.469 0.456 0.441 0.425 0.408 0.393 0.379 0.363 0.346 0.329 0.260 0.120 -0.080
-0.340 -0.565 -0.693 -0.747 -0.765 -0.769 -0.762 -0.748 -0.728 -0.703 -0.675 -0.647 -0.620 -0.596 -0.576 -0.560 -0.546 -0.534 -0.522 -0.510 -0.498 -0.484 -0.470 -0.454
-0.438 -0.420 -0.401 -0.381 -0.361 -0.341 -0.321 -0.303 -0.286 -0.271 -0.257 -0.245 -0.236 -0.228 -0.221 -0.217 -0.214 -0.212 -0.211 -0.212 -0.213 -0.216 -0.218 -0.222
-0.226 -0.230 -0.234 -0.238 -0.242 -0.256 -0.276 -0.277 -0.265 -0.253 -0.244 -0.237 -0.231 -0.226 -0.221 -0.216 -0.211
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.999 0.997 0.992 0.987 0.980 0.973 0.965 0.956 0.947 0.938 0.927 0.916 0.905
0.892 0.876 0.860 0.844 0.825 0.807 0.789 0.768 0.745 0.722 0.699 0.677 0.654 0.633 0.613 0.597 0.584 0.574 0.565 0.558 0.553 0.549 0.543 0.538
0.535 0.533 0.532 0.532 0.530 0.523 0.514 0.504 0.493 0.481 0.469 0.456 0.441 0.425 0.409 0.393 0.379 0.363 0.346 0.329 0.260 0.120 -0.080 -0.341
-0.566 -0.693 -0.747 -0.765 -0.769 -0.762 -0.748 -0.728 -0.703 -0.675 -0.647 -0.620 -0.596 -0.577 -0.561 -0.547 -0.535 -0.523 -0.511 -0.499 -0.485 -0.471 -0.455 -0.438
-0.421 -0.402 -0.382 -0.362 -0.342 -0.322 -0.304 -0.287 -0.272 -0.258 -0.246 -0.237 -0.229 -0.223 -0.218 -0.215 -0.213 -0.212 -0.213 -0.215 -0.217 -0.220 -0.223 -0.227
-0.231 -0.235 -0.239 -0.243 -0.256 -0.276 -0.276 -0.265 -0.252 -0.243 -0.236 -0.230 -0.225 -0.220 -0.215 -0.209
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.999 0.997 0.993 0.987 0.981 0.974 0.966 0.957 0.948 0.939 0.928 0.917 0.906 0.893
0.878 0.862 0.845 0.827 0.809 0.790 0.769 0.746 0.723 0.700 0.678 0.655 0.634 0.614 0.598 0.585 0.574 0.566 0.559 0.554 0.549 0.543 0.538 0.535
0.533 0.533 0.532 0.530 0.524 0.514 0.504 0.493 0.481 0.469 0.456 0.441 0.425 0.409 0.393 0.379 0.363 0.346 0.329 0.260 0.120 -0.081 -0.341 -0.566
-0.694 -0.747 -0.765 -0.769 -0.762 -0.748 -0.728 -0.703 -0.675 -0.647 -0.621 -0.597 -0.578 -0.562 -0.548 -0.536 -0.525 -0.512 -0.500 -0.486 -0.472 -0.456 -0.439 -0.421
-0.402 -0.383 -0.362 -0.342 -0.323 -0.305 -0.288 -0.272 -0.259 -0.247 -0.238 -0.230 -0.224 -0.219 -0.216 -0.214 -0.214 -0.215 -0.216 -0.218 -0.221 -0.224 -0.228 -0.232
-0.236 -0.240 -0.244 -0.257 -0.276 -0.276 -0.264 -0.252 -0.242 -0.235 -0.229 -0.224 -0.219 -0.213 -0.208
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.999 0.998 0.994 0.988 0.982 0.975 0.967 0.959 0.950 0.941 0.930 0.919 0.908 0.895 0.880
0.864 0.847 0.828 0.810 0.792 0.771 0.747 0.724 0.701 0.679 0.656 0.634 0.615 0.598 0.585 0.575 0.566 0.559 0.554 0.550 0.544 0.539 0.535 0.533
0.533 0.532 0.530 0.524 0.515 0.505 0.494 0.481 0.469 0.456 0.441 0.425 0.409 0.394 0.379 0.363 0.346 0.329 0.260 0.120 -0.081 -0.341 -0.567 -0.694
-0.748 -0.765 -0.769 -0.762 -0.748 -0.727 -0.703 -0.675 -0.648 -0.621 -0.598 -0.579 -0.563 -0.549 -0.537 -0.526 -0.514 -0.501 -0.487 -0.473 -0.457 -0.440 -0.422 -0.403
-0.383 -0.363 -0.343 -0.323 -0.305 -0.288 -0.273 -0.260 -0.248 -0.239 -0.231 -0.225 -0.220 -0.217 -0.215 -0.215 -0.216 -0.217 -0.220 -0.222 -0.226 -0.229 -0.233 -0.237
-0.241 -0.245 -0.258 -0.276 -0.275 -0.263 -0.251 -0.241 -0.234 -0.228 -0.222 -0.217 -0.212 -0.207
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.999 0.998 0.994 0.989 0.983 0.976 0.968 0.960 0.951 0.942 0.932 0.921 0.910 0.897 0.881 0.866
0.849 0.830 0.812 0.793 0.772 0.749 0.725 0.702 0.680 0.657 0.635 0.616 0.599 0.586 0.575 0.567 0.559 0.555 0.550 0.544 0.539 0.535 0.533 0.533

0.532 0.531 0.524 0.515 0.505 0.494 0.481 0.469 0.456 0.441 0.425 0.409 0.394 0.379 0.363 0.346 0.329 0.260 0.120 -0.081 -0.342 -0.567 -0.694 -0.748
-0.766 -0.769 -0.762 -0.748 -0.727 -0.703 -0.675 -0.648 -0.622 -0.599 -0.580 -0.564 -0.550 -0.539 -0.527 -0.515 -0.502 -0.488 -0.473 -0.457 -0.440 -0.423 -0.403 -0.384
-0.363 -0.343 -0.324 -0.306 -0.289 -0.274 -0.260 -0.249 -0.240 -0.232 -0.226 -0.222 -0.219 -0.217 -0.216 -0.217 -0.219 -0.221 -0.224 -0.227 -0.231 -0.234 -0.238 -0.242
-0.246 -0.259 -0.276 -0.275 -0.263 -0.250 -0.240 -0.232 -0.226 -0.221 -0.216 -0.211 -0.206
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.998 0.995 0.990 0.984 0.977 0.970 0.961 0.953 0.944 0.933 0.922 0.911 0.898 0.883 0.867 0.850
0.831 0.813 0.795 0.773 0.750 0.727 0.704 0.681 0.658 0.636 0.616 0.600 0.586 0.576 0.567 0.560 0.555 0.550 0.544 0.539 0.535 0.533 0.533 0.533
0.531 0.524 0.515 0.505 0.494 0.482 0.469 0.456 0.441 0.425 0.409 0.394 0.379 0.364 0.346 0.329 0.260 0.119 -0.082 -0.342 -0.568 -0.695 -0.748 -0.766
-0.769 -0.761 -0.748 -0.727 -0.703 -0.675 -0.648 -0.622 -0.599 -0.581 -0.565 -0.551 -0.540 -0.528 -0.516 -0.503 -0.489 -0.474 -0.458 -0.441 -0.423 -0.404 -0.384 -0.364
-0.344 -0.324 -0.307 -0.290 -0.275 -0.261 -0.250 -0.241 -0.233 -0.227 -0.223 -0.220 -0.218 -0.218 -0.219 -0.220 -0.222 -0.225 -0.228 -0.232 -0.235 -0.239 -0.243 -0.247
-0.259 -0.277 -0.275 -0.262 -0.249 -0.239 -0.231 -0.225 -0.220 -0.215 -0.210 -0.204
1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.990 0.985 0.978 0.971 0.963 0.954 0.945 0.935 0.924 0.913 0.900 0.885 0.869 0.852 0.833
0.815 0.796 0.775 0.751 0.728 0.705 0.682 0.659 0.637 0.617 0.601 0.587 0.577 0.568 0.560 0.556 0.551 0.545 0.540 0.536 0.534 0.533 0.533 0.531
0.525 0.515 0.505 0.494 0.482 0.469 0.456 0.441 0.425 0.409 0.394 0.379 0.364 0.346 0.329 0.260 0.119 -0.082 -0.343 -0.569 -0.695 -0.749 -0.766 -0.769
-0.761 -0.747 -0.727 -0.703 -0.675 -0.648 -0.623 -0.600 -0.582 -0.566 -0.552 -0.541 -0.529 -0.517 -0.504 -0.490 -0.475 -0.459 -0.442 -0.424 -0.405 -0.385 -0.364 -0.344
-0.325 -0.307 -0.290 -0.276 -0.262 -0.251 -0.242 -0.234 -0.228 -0.224 -0.221 -0.219 -0.219 -0.220 -0.221 -0.223 -0.226 -0.229 -0.233 -0.237 -0.240 -0.244 -0.248 -0.260
-0.277 -0.274 -0.261 -0.248 -0.238 -0.230 -0.224 -0.219 -0.214 -0.208 -0.203
1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.996 0.991 0.985 0.979 0.972 0.964 0.956 0.947 0.936 0.925 0.914 0.902 0.886 0.870 0.853 0.835 0.816
0.798 0.776 0.753 0.729 0.706 0.683 0.660 0.638 0.618 0.601 0.588 0.577 0.568 0.561 0.556 0.551 0.545 0.540 0.536 0.534 0.534 0.533 0.531 0.525
0.515 0.505 0.494 0.482 0.469 0.456 0.441 0.425 0.408 0.394 0.379 0.364 0.346 0.329 0.260 0.119 -0.082 -0.343 -0.569 -0.696 -0.749 -0.766 -0.769 -0.761
-0.747 -0.727 -0.703 -0.676 -0.649 -0.624 -0.601 -0.583 -0.567 -0.553 -0.542 -0.530 -0.518 -0.505 -0.490 -0.476 -0.459 -0.442 -0.424 -0.405 -0.385 -0.365 -0.345 -0.326
-0.308 -0.291 -0.276 -0.263 -0.252 -0.243 -0.235 -0.229 -0.225 -0.222 -0.221 -0.220 -0.221 -0.222 -0.225 -0.227 -0.231 -0.234 -0.238 -0.241 -0.245 -0.249 -0.261 -0.277
-0.274 -0.261 -0.247 -0.237 -0.229 -0.223 -0.218 -0.212 -0.207 -0.202
1.000 1.000 1.000 1.000 1.000 0.999 0.996 0.992 0.986 0.980 0.973 0.965 0.957 0.948 0.938 0.927 0.916 0.903 0.888 0.872 0.855 0.836 0.818 0.799
0.778 0.754 0.730 0.707 0.684 0.661 0.639 0.619 0.602 0.588 0.578 0.569 0.561 0.556 0.552 0.545 0.540 0.536 0.534 0.534 0.533 0.532 0.525 0.516
0.505 0.494 0.482 0.469 0.456 0.441 0.425 0.408 0.394 0.379 0.364 0.346 0.328 0.260 0.119 -0.083 -0.343 -0.569 -0.696 -0.749 -0.766 -0.769 -0.761 -0.747
-0.727 -0.703 -0.676 -0.649 -0.624 -0.601 -0.583 -0.568 -0.554 -0.543 -0.531 -0.519 -0.506 -0.491 -0.476 -0.460 -0.443 -0.425 -0.406 -0.386 -0.365 -0.345 -0.326 -0.308
-0.292 -0.277 -0.264 -0.253 -0.244 -0.236 -0.230 -0.226 -0.223 -0.222 -0.221 -0.222 -0.224 -0.226 -0.229 -0.232 -0.235 -0.239 -0.242 -0.246 -0.249 -0.261 -0.277 -0.274
-0.260 -0.246 -0.236 -0.228 -0.222 -0.216 -0.211 -0.206 -0.201
1.000 1.000 1.000 1.000 0.999 0.997 0.992 0.987 0.981 0.974 0.966 0.958 0.949 0.939 0.928 0.918 0.905 0.890 0.874 0.857 0.838 0.819 0.800 0.779
0.755 0.732 0.708 0.685 0.662 0.640 0.620 0.603 0.589 0.578 0.569 0.562 0.557 0.552 0.546 0.541 0.536 0.534 0.534 0.534 0.532 0.525 0.516 0.505
0.494 0.482 0.469 0.456 0.441 0.425 0.408 0.393 0.379 0.364 0.346 0.328 0.260 0.119 -0.083 -0.344 -0.570 -0.696 -0.749 -0.766 -0.769 -0.761 -0.747 -0.726
-0.702 -0.676 -0.649 -0.625 -0.602 -0.584 -0.569 -0.556 -0.544 -0.532 -0.520 -0.507 -0.492 -0.477 -0.461 -0.444 -0.425 -0.406 -0.386 -0.366 -0.346 -0.327 -0.309 -0.292
-0.278 -0.265 -0.254 -0.245 -0.237 -0.232 -0.227 -0.225 -0.223 -0.223 -0.224 -0.225 -0.227 -0.230 -0.233 -0.236 -0.240 -0.243 -0.247 -0.250 -0.262 -0.277 -0.273 -0.259
-0.245 -0.235 -0.227 -0.221 -0.215 -0.210 -0.205 -0.199
1.000 1.000 1.000 0.999 0.997 0.993 0.988 0.982 0.975 0.967 0.959 0.951 0.941 0.930 0.919 0.906 0.891 0.875 0.858 0.839 0.821 0.802 0.780 0.757
0.733 0.709 0.686 0.663 0.640 0.620 0.604 0.590 0.579 0.570 0.562 0.557 0.553 0.546 0.541 0.537 0.535 0.534 0.534 0.532 0.526 0.516 0.506 0.494
0.482 0.469 0.456 0.441 0.425 0.408 0.393 0.379 0.364 0.346 0.328 0.259 0.118 -0.083 -0.344 -0.570 -0.696 -0.749 -0.766 -0.769 -0.760 -0.747 -0.726 -0.702
-0.676 -0.650 -0.625 -0.603 -0.585 -0.570 -0.557 -0.545 -0.533 -0.521 -0.507 -0.493 -0.478 -0.462 -0.444 -0.426 -0.407 -0.387 -0.366 -0.347 -0.327 -0.310 -0.293 -0.279
-0.265 -0.254 -0.246 -0.238 -0.233 -0.229 -0.226 -0.224 -0.224 -0.225 -0.226 -0.228 -0.231 -0.234 -0.237 -0.241 -0.244 -0.248 -0.251 -0.263 -0.277 -0.273 -0.258 -0.245
-0.234 -0.226 -0.219 -0.214 -0.209 -0.203 -0.198
1.000 1.000 1.000 0.997 0.993 0.989 0.983 0.976 0.969 0.961 0.952 0.942 0.931 0.921 0.908 0.893 0.877 0.860 0.841 0.822 0.803 0.782 0.758 0.734
0.711 0.687 0.664 0.641 0.621 0.604 0.591 0.580 0.570 0.563 0.558 0.553 0.547 0.541 0.537 0.535 0.535 0.534 0.532 0.526 0.516 0.506 0.494 0.482
0.469 0.456 0.441 0.424 0.408 0.393 0.379 0.364 0.346 0.328 0.259 0.118 -0.084 -0.345 -0.571 -0.697 -0.750 -0.766 -0.768 -0.760 -0.746 -0.726 -0.702 -0.676

-0.650 -0.626 -0.603 -0.586 -0.571 -0.558 -0.546 -0.534 -0.522 -0.508 -0.494 -0.479 -0.462 -0.445 -0.427 -0.407 -0.387 -0.367 -0.347 -0.328 -0.310 -0.294 -0.279 -0.266
-0.255 -0.247 -0.239 -0.234 -0.230 -0.227 -0.225 -0.225 -0.226 -0.227 -0.230 -0.232 -0.235 -0.238 -0.242 -0.245 -0.249 -0.252 -0.263 -0.277 -0.272 -0.258 -0.244 -0.233
-0.225 -0.218 -0.213 -0.208 -0.202 -0.197
1.000 1.000 0.998 0.994 0.989 0.984 0.977 0.970 0.962 0.953 0.943 0.933 0.922 0.909 0.894 0.878 0.861 0.842 0.824 0.805 0.783 0.759 0.735 0.712
0.688 0.665 0.642 0.622 0.605 0.591 0.580 0.571 0.563 0.558 0.554 0.547 0.542 0.537 0.535 0.535 0.534 0.533 0.526 0.517 0.506 0.494 0.482 0.469
0.456 0.441 0.424 0.408 0.393 0.379 0.363 0.346 0.328 0.259 0.118 -0.084 -0.345 -0.571 -0.697 -0.750 -0.766 -0.768 -0.760 -0.746 -0.726 -0.702 -0.676 -0.650
-0.626 -0.604 -0.587 -0.572 -0.559 -0.547 -0.535 -0.523 -0.509 -0.495 -0.479 -0.463 -0.445 -0.427 -0.408 -0.388 -0.367 -0.348 -0.328 -0.311 -0.294 -0.280 -0.267 -0.256
-0.247 -0.240 -0.235 -0.231 -0.228 -0.227 -0.226 -0.227 -0.229 -0.231 -0.233 -0.236 -0.239 -0.243 -0.246 -0.250 -0.253 -0.264 -0.277 -0.272 -0.257 -0.243 -0.232 -0.224
-0.217 -0.212 -0.206 -0.201 -0.196
1.000 0.999 0.996 0.993 0.988 0.982 0.975 0.968 0.960 0.950 0.940 0.930 0.917 0.902 0.886 0.869 0.850 0.831 0.812 0.790 0.766 0.742 0.718 0.694
0.670 0.647 0.627 0.610 0.595 0.584 0.574 0.567 0.561 0.557 0.550 0.544 0.539 0.537 0.536 0.536 0.534 0.528 0.518 0.507 0.495 0.482 0.469 0.455
0.440 0.424 0.408 0.393 0.379 0.363 0.346 0.327 0.258 0.116 -0.086 -0.347 -0.573 -0.698 -0.750 -0.765 -0.767 -0.758 -0.744 -0.725 -0.701 -0.676 -0.652 -0.629
-0.608 -0.591 -0.577 -0.564 -0.553 -0.541 -0.528 -0.514 -0.499 -0.483 -0.466 -0.449 -0.430 -0.410 -0.390 -0.370 -0.350 -0.331 -0.314 -0.298 -0.284 -0.271 -0.261 -0.253
-0.246 -0.241 -0.237 -0.234 -0.233 -0.233 -0.234 -0.235 -0.237 -0.239 -0.242 -0.245 -0.248 -0.251 -0.254 -0.257 -0.267 -0.278 -0.269 -0.253 -0.238 -0.226 -0.218 -0.211
-0.205 -0.200 -0.194 -0.189
1.000 0.999 0.997 0.994 0.989 0.984 0.977 0.970 0.962 0.952 0.942 0.930 0.916 0.900 0.883 0.864 0.845 0.825 0.803 0.779 0.754 0.730 0.705 0.680
0.657 0.636 0.618 0.604 0.592 0.582 0.573 0.568 0.563 0.555 0.549 0.544 0.540 0.540 0.539 0.538 0.530 0.520 0.508 0.496 0.482 0.469 0.455 0.439
0.423 0.406 0.391 0.377 0.361 0.343 0.325 0.255 0.112 -0.091 -0.351 -0.576 -0.699 -0.749 -0.763 -0.764 -0.755 -0.741 -0.722 -0.700 -0.677 -0.654 -0.633 -0.614
-0.599 -0.586 -0.574 -0.562 -0.550 -0.537 -0.522 -0.506 -0.490 -0.472 -0.454 -0.435 -0.415 -0.395 -0.375 -0.355 -0.337 -0.320 -0.305 -0.291 -0.279 -0.269 -0.262 -0.255
-0.251 -0.247 -0.245 -0.244 -0.244 -0.245 -0.246 -0.248 -0.250 -0.252 -0.255 -0.257 -0.260 -0.262 -0.264 -0.272 -0.278 -0.265 -0.245 -0.229 -0.216 -0.207 -0.200 -0.193
-0.188 -0.182 -0.176
1.000 0.999 0.997 0.994 0.990 0.985 0.979 0.971 0.962 0.953 0.942 0.928 0.913 0.896 0.877 0.858 0.838 0.816 0.792 0.767 0.742 0.717 0.692 0.668
0.647 0.629 0.614 0.601 0.591 0.581 0.576 0.570 0.563 0.556 0.549 0.546 0.544 0.543 0.541 0.534 0.523 0.510 0.497 0.483 0.468 0.454 0.438 0.420
0.404 0.389 0.375 0.359 0.340 0.321 0.250 0.107 -0.096 -0.354 -0.578 -0.698 -0.747 -0.759 -0.759 -0.750 -0.737 -0.720 -0.699 -0.678 -0.657 -0.639 -0.621 -0.607
-0.595 -0.583 -0.571 -0.559 -0.545 -0.529 -0.513 -0.496 -0.477 -0.458 -0.439 -0.419 -0.399 -0.379 -0.360 -0.342 -0.326 -0.311 -0.298 -0.287 -0.278 -0.270 -0.265 -0.260
-0.257 -0.255 -0.254 -0.254 -0.255 -0.256 -0.257 -0.259 -0.261 -0.263 -0.265 -0.266 -0.268 -0.270 -0.275 -0.276 -0.259 -0.238 -0.220 -0.206 -0.196 -0.188 -0.182 -0.176
-0.170 -0.164
1.000 0.999 0.998 0.995 0.991 0.985 0.979 0.971 0.962 0.952 0.939 0.924 0.908 0.889 0.870 0.851 0.829 0.806 0.781 0.755 0.729 0.704 0.680 0.659
0.640 0.625 0.612 0.601 0.591 0.586 0.580 0.571 0.564 0.557 0.552 0.550 0.549 0.546 0.538 0.526 0.513 0.498 0.483 0.468 0.453 0.436 0.418 0.401
0.386 0.371 0.355 0.336 0.317 0.244 0.100 -0.102 -0.358 -0.579 -0.696 -0.744 -0.755 -0.754 -0.745 -0.734 -0.717 -0.699 -0.679 -0.661 -0.644 -0.628 -0.615 -0.604
-0.592 -0.580 -0.567 -0.552 -0.536 -0.519 -0.501 -0.482 -0.463 -0.443 -0.423 -0.404 -0.384 -0.365 -0.348 -0.332 -0.318 -0.305 -0.295 -0.286 -0.279 -0.274 -0.270 -0.267
-0.265 -0.264 -0.263 -0.264 -0.265 -0.266 -0.267 -0.268 -0.270 -0.271 -0.272 -0.273 -0.274 -0.277 -0.275 -0.253 -0.230 -0.211 -0.197 -0.186 -0.178 -0.171 -0.165 -0.159
-0.153
1.000 0.999 0.998 0.995 0.991 0.985 0.978 0.971 0.961 0.949 0.935 0.919 0.901 0.883 0.863 0.842 0.819 0.794 0.768 0.743 0.717 0.693 0.672 0.653
0.637 0.625 0.613 0.603 0.596 0.590 0.582 0.573 0.566 0.560 0.557 0.555 0.552 0.544 0.531 0.516 0.501 0.485 0.469 0.452 0.435 0.417 0.398 0.383
0.368 0.352 0.332 0.312 0.238 0.093 -0.109 -0.362 -0.580 -0.693 -0.739 -0.749 -0.749 -0.740 -0.730 -0.715 -0.698 -0.681 -0.664 -0.649 -0.635 -0.623 -0.613 -0.601
-0.589 -0.575 -0.560 -0.543 -0.525 -0.506 -0.487 -0.467 -0.447 -0.427 -0.408 -0.389 -0.370 -0.353 -0.338 -0.324 -0.312 -0.302 -0.294 -0.288 -0.282 -0.279 -0.276 -0.274
-0.273 -0.272 -0.272 -0.273 -0.273 -0.274 -0.275 -0.276 -0.277 -0.277 -0.278 -0.278 -0.279 -0.273 -0.248 -0.222 -0.202 -0.188 -0.176 -0.168 -0.161 -0.154 -0.148 -0.142
1.000 0.999 0.998 0.995 0.990 0.985 0.978 0.969 0.958 0.945 0.930 0.913 0.894 0.876 0.855 0.832 0.808 0.782 0.757 0.731 0.707 0.686 0.667 0.651
0.638 0.626 0.615 0.609 0.602 0.593 0.584 0.575 0.569 0.565 0.562 0.559 0.549 0.536 0.520 0.504 0.486 0.470 0.452 0.434 0.415 0.396 0.380 0.365
0.348 0.328 0.307 0.232 0.086 -0.115 -0.365 -0.580 -0.690 -0.734 -0.743 -0.743 -0.735 -0.726 -0.713 -0.698 -0.683 -0.668 -0.655 -0.642 -0.631 -0.621 -0.609 -0.597
-0.583 -0.567 -0.549 -0.531 -0.511 -0.492 -0.471 -0.452 -0.432 -0.412 -0.393 -0.376 -0.359 -0.344 -0.331 -0.320 -0.310 -0.302 -0.296 -0.291 -0.287 -0.285 -0.283 -0.281
-0.280 -0.280 -0.280 -0.281 -0.281 -0.281 -0.281 -0.281 -0.282 -0.281 -0.281 -0.280 -0.270 -0.242 -0.215 -0.194 -0.179 -0.167 -0.158 -0.151 -0.144 -0.138 -0.131

1.000 0.999 0.998 0.994 0.990 0.984 0.976 0.966 0.954 0.940 0.924 0.907 0.888 0.868 0.846 0.822 0.797 0.772 0.747 0.723 0.701 0.682 0.666 0.653
0.640 0.629 0.622 0.616 0.606 0.596 0.587 0.579 0.574 0.570 0.566 0.556 0.541 0.525 0.507 0.488 0.471 0.452 0.433 0.412 0.393 0.376 0.361 0.343
0.323 0.301 0.225 0.077 -0.123 -0.368 -0.578 -0.685 -0.728 -0.737 -0.737 -0.731 -0.723 -0.712 -0.699 -0.686 -0.673 -0.662 -0.649 -0.639 -0.630 -0.618 -0.605 -0.591
-0.574 -0.556 -0.536 -0.516 -0.496 -0.475 -0.456 -0.436 -0.417 -0.398 -0.381 -0.365 -0.351 -0.338 -0.327 -0.318 -0.310 -0.304 -0.299 -0.296 -0.293 -0.291 -0.289 -0.288
-0.287 -0.287 -0.287 -0.286 -0.286 -0.286 -0.285 -0.285 -0.284 -0.283 -0.280 -0.267 -0.235 -0.207 -0.186 -0.170 -0.158 -0.148 -0.141 -0.134 -0.127 -0.121
1.000 0.999 0.997 0.994 0.989 0.983 0.974 0.963 0.950 0.935 0.919 0.901 0.882 0.861 0.838 0.813 0.788 0.763 0.740 0.718 0.700 0.684 0.670 0.657
0.646 0.638 0.632 0.621 0.611 0.600 0.591 0.585 0.580 0.575 0.564 0.548 0.530 0.511 0.492 0.473 0.453 0.432 0.411 0.390 0.372 0.357 0.339 0.317
0.295 0.217 0.068 -0.130 -0.372 -0.577 -0.680 -0.721 -0.730 -0.731 -0.726 -0.720 -0.711 -0.700 -0.690 -0.679 -0.669 -0.658 -0.648 -0.639 -0.627 -0.614 -0.599 -0.581
-0.562 -0.542 -0.521 -0.500 -0.480 -0.460 -0.440 -0.422 -0.404 -0.387 -0.371 -0.358 -0.345 -0.335 -0.326 -0.318 -0.313 -0.308 -0.304 -0.301 -0.299 -0.297 -0.295 -0.294
-0.293 -0.292 -0.291 -0.290 -0.289 -0.288 -0.287 -0.286 -0.284 -0.280 -0.263 -0.229 -0.200 -0.178 -0.161 -0.149 -0.139 -0.131 -0.124 -0.117 -0.111
1.000 0.999 0.997 0.994 0.988 0.981 0.971 0.960 0.946 0.931 0.914 0.896 0.876 0.854 0.830 0.805 0.781 0.757 0.736 0.718 0.702 0.688 0.675 0.663
0.656 0.648 0.638 0.626 0.615 0.605 0.597 0.592 0.586 0.573 0.556 0.537 0.517 0.496 0.475 0.454 0.433 0.410 0.388 0.369 0.353 0.334 0.312 0.290
0.209 0.059 -0.138 -0.375 -0.575 -0.674 -0.714 -0.723 -0.724 -0.721 -0.717 -0.711 -0.702 -0.694 -0.685 -0.676 -0.666 -0.658 -0.648 -0.636 -0.622 -0.606 -0.588 -0.568
-0.547 -0.526 -0.505 -0.484 -0.464 -0.445 -0.427 -0.409 -0.393 -0.378 -0.365 -0.353 -0.343 -0.334 -0.327 -0.321 -0.316 -0.312 -0.309 -0.306 -0.304 -0.302 -0.300 -0.299
-0.297 -0.296 -0.294 -0.293 -0.291 -0.289 -0.287 -0.285 -0.279 -0.259 -0.223 -0.193 -0.170 -0.154 -0.141 -0.131 -0.123 -0.115 -0.108 -0.102
1.000 0.999 0.997 0.993 0.987 0.979 0.969 0.957 0.943 0.927 0.910 0.891 0.870 0.847 0.823 0.799 0.776 0.756 0.738 0.722 0.708 0.694 0.682 0.674
0.666 0.655 0.643 0.630 0.619 0.610 0.603 0.596 0.582 0.564 0.544 0.521 0.499 0.477 0.455 0.432 0.408 0.385 0.365 0.348 0.329 0.306 0.283 0.201
0.049 -0.146 -0.377 -0.572 -0.667 -0.705 -0.715 -0.718 -0.717 -0.715 -0.711 -0.705 -0.699 -0.692 -0.684 -0.675 -0.667 -0.657 -0.645 -0.630 -0.614 -0.594 -0.573 -0.552
-0.530 -0.509 -0.488 -0.468 -0.449 -0.432 -0.415 -0.399 -0.385 -0.372 -0.361 -0.351 -0.342 -0.335 -0.329 -0.324 -0.320 -0.316 -0.313 -0.310 -0.308 -0.305 -0.303 -0.301
-0.299 -0.297 -0.295 -0.292 -0.290 -0.287 -0.284 -0.276 -0.253 -0.215 -0.185 -0.162 -0.145 -0.132 -0.122 -0.113 -0.105 -0.098 -0.092
1.000 0.999 0.997 0.993 0.986 0.978 0.967 0.954 0.940 0.925 0.907 0.887 0.865 0.842 0.819 0.797 0.777 0.759 0.743 0.729 0.715 0.703 0.695 0.687
0.675 0.662 0.648 0.636 0.625 0.616 0.608 0.594 0.574 0.552 0.528 0.504 0.481 0.457 0.433 0.408 0.383 0.362 0.344 0.324 0.301 0.277 0.192 0.039
-0.154 -0.380 -0.569 -0.659 -0.697 -0.706 -0.711 -0.712 -0.714 -0.712 -0.708 -0.705 -0.699 -0.693 -0.685 -0.677 -0.667 -0.654 -0.639 -0.621 -0.601 -0.579 -0.557 -0.535
-0.513 -0.493 -0.473 -0.454 -0.437 -0.421 -0.406 -0.392 -0.380 -0.369 -0.359 -0.351 -0.343 -0.337 -0.332 -0.328 -0.324 -0.320 -0.316 -0.313 -0.310 -0.307 -0.305 -0.302
-0.299 -0.296 -0.293 -0.290 -0.286 -0.283 -0.274 -0.248 -0.208 -0.177 -0.154 -0.137 -0.124 -0.113 -0.104 -0.097 -0.089 -0.083
1.000 0.999 0.996 0.992 0.985 0.976 0.965 0.952 0.938 0.922 0.903 0.882 0.861 0.839 0.817 0.798 0.781 0.765 0.751 0.738 0.725 0.716 0.708 0.696
0.683 0.668 0.654 0.642 0.632 0.622 0.607 0.586 0.563 0.537 0.512 0.487 0.462 0.436 0.409 0.383 0.361 0.342 0.321 0.297 0.272 0.185 0.030 -0.162
-0.382 -0.565 -0.651 -0.687 -0.698 -0.704 -0.708 -0.712 -0.713 -0.712 -0.711 -0.707 -0.702 -0.695 -0.687 -0.677 -0.663 -0.647 -0.629 -0.608 -0.585 -0.563 -0.540 -0.518
-0.498 -0.478 -0.460 -0.443 -0.428 -0.413 -0.400 -0.388 -0.377 -0.368 -0.360 -0.352 -0.346 -0.340 -0.335 -0.331 -0.327 -0.323 -0.319 -0.315 -0.312 -0.308 -0.305 -0.301
-0.297 -0.293 -0.290 -0.286 -0.281 -0.271 -0.243 -0.202 -0.171 -0.148 -0.131 -0.117 -0.107 -0.097 -0.089 -0.082 -0.075
1.000 0.999 0.996 0.991 0.984 0.974 0.963 0.951 0.936 0.919 0.899 0.879 0.858 0.837 0.819 0.802 0.787 0.773 0.759 0.746 0.738 0.729 0.716 0.702
0.687 0.671 0.658 0.647 0.636 0.619 0.597 0.572 0.545 0.518 0.492 0.465 0.438 0.410 0.382 0.359 0.339 0.317 0.292 0.267 0.178 0.021 -0.168 -0.383
-0.559 -0.642 -0.677 -0.688 -0.697 -0.703 -0.710 -0.714 -0.716 -0.717 -0.714 -0.711 -0.704 -0.696 -0.686 -0.672 -0.655 -0.636 -0.614 -0.591 -0.568 -0.545 -0.523 -0.502
-0.483 -0.465 -0.449 -0.434 -0.420 -0.407 -0.396 -0.386 -0.376 -0.368 -0.361 -0.354 -0.348 -0.343 -0.338 -0.333 -0.328 -0.323 -0.319 -0.315 -0.311 -0.306 -0.302 -0.297
-0.293 -0.289 -0.284 -0.279 -0.267 -0.237 -0.195 -0.164 -0.141 -0.124 -0.110 -0.099 -0.090 -0.082 -0.074 -0.067
1.000 0.999 0.996 0.990 0.983 0.973 0.963 0.950 0.934 0.916 0.897 0.877 0.858 0.840 0.823 0.809 0.795 0.781 0.768 0.759 0.750 0.737 0.722 0.705
0.688 0.673 0.660 0.648 0.630 0.606 0.580 0.552 0.523 0.496 0.467 0.439 0.408 0.379 0.355 0.334 0.312 0.286 0.260 0.169 0.011 -0.174 -0.382 -0.551
-0.630 -0.665 -0.678 -0.689 -0.698 -0.708 -0.716 -0.719 -0.722 -0.722 -0.720 -0.713 -0.705 -0.695 -0.680 -0.662 -0.642 -0.618 -0.595 -0.571 -0.548 -0.526 -0.505 -0.486
-0.469 -0.454 -0.439 -0.426 -0.414 -0.403 -0.393 -0.384 -0.376 -0.368 -0.361 -0.355 -0.349 -0.343 -0.338 -0.332 -0.327 -0.322 -0.317 -0.312 -0.307 -0.301 -0.296 -0.291
-0.286 -0.281 -0.275 -0.262 -0.230 -0.187 -0.155 -0.133 -0.116 -0.102 -0.090 -0.081 -0.072 -0.065 -0.058
1.000 0.999 0.996 0.990 0.983 0.974 0.963 0.949 0.933 0.915 0.896 0.878 0.861 0.846 0.832 0.818 0.804 0.791 0.782 0.773 0.759 0.744 0.726 0.708
0.691 0.676 0.663 0.643 0.619 0.591 0.561 0.531 0.501 0.472 0.441 0.410 0.379 0.353 0.331 0.308 0.282 0.255 0.161 0.002 -0.180 -0.381 -0.543 -0.618
-0.652 -0.667 -0.680 -0.692 -0.706 -0.717 -0.723 -0.729 -0.730 -0.729 -0.722 -0.714 -0.703 -0.688 -0.669 -0.647 -0.624 -0.599 -0.575 -0.551 -0.529 -0.509 -0.490 -0.473

-0.459 -0.445 -0.433 -0.422 -0.411 -0.401 -0.392 -0.384 -0.376 -0.369 -0.362 -0.356 -0.349 -0.343 -0.337 -0.330 -0.324 -0.318 -0.312 -0.307 -0.300 -0.295 -0.289 -0.283
-0.277 -0.271 -0.256 -0.222 -0.179 -0.148 -0.125 -0.108 -0.095 -0.083 -0.073 -0.064 -0.057 -0.050
1.000 0.999 0.995 0.990 0.983 0.974 0.962 0.948 0.932 0.915 0.898 0.882 0.868 0.854 0.841 0.828 0.814 0.805 0.796 0.782 0.766 0.748 0.728 0.710
0.693 0.678 0.658 0.632 0.603 0.571 0.540 0.509 0.477 0.445 0.412 0.380 0.353 0.330 0.306 0.279 0.251 0.155 -0.005 -0.185 -0.379 -0.534 -0.606 -0.638
-0.655 -0.671 -0.686 -0.703 -0.717 -0.727 -0.735 -0.737 -0.737 -0.732 -0.723 -0.712 -0.695 -0.676 -0.653 -0.629 -0.603 -0.579 -0.555 -0.533 -0.513 -0.495 -0.478 -0.464
-0.452 -0.440 -0.429 -0.419 -0.410 -0.401 -0.392 -0.384 -0.377 -0.369 -0.362 -0.355 -0.348 -0.341 -0.333 -0.327 -0.320 -0.313 -0.306 -0.300 -0.293 -0.286 -0.280 -0.274
-0.267 -0.251 -0.216 -0.172 -0.141 -0.119 -0.103 -0.089 -0.077 -0.067 -0.058 -0.050 -0.043
1.000 0.999 0.995 0.990 0.983 0.974 0.962 0.947 0.932 0.917 0.902 0.889 0.876 0.863 0.850 0.837 0.827 0.818 0.804 0.788 0.769 0.748 0.728 0.710
0.693 0.671 0.645 0.614 0.581 0.548 0.516 0.483 0.450 0.415 0.381 0.352 0.328 0.304 0.276 0.248 0.150 -0.012 -0.189 -0.376 -0.523 -0.591 -0.624 -0.642
-0.661 -0.680 -0.700 -0.718 -0.730 -0.740 -0.744 -0.745 -0.740 -0.731 -0.719 -0.702 -0.682 -0.658 -0.633 -0.607 -0.582 -0.558 -0.536 -0.516 -0.498 -0.483 -0.470 -0.458
-0.447 -0.436 -0.427 -0.417 -0.409 -0.400 -0.391 -0.383 -0.375 -0.367 -0.360 -0.352 -0.344 -0.336 -0.328 -0.320 -0.313 -0.305 -0.298 -0.290 -0.283 -0.276 -0.269 -0.262
-0.245 -0.208 -0.164 -0.134 -0.113 -0.096 -0.083 -0.071 -0.061 -0.051 -0.043 -0.036
1.000 0.999 0.996 0.991 0.984 0.974 0.962 0.948 0.935 0.922 0.909 0.897 0.885 0.873 0.860 0.850 0.841 0.827 0.811 0.792 0.770 0.749 0.729 0.711
0.689 0.661 0.630 0.595 0.561 0.527 0.493 0.458 0.422 0.387 0.356 0.331 0.306 0.277 0.248 0.148 -0.016 -0.191 -0.372 -0.513 -0.577 -0.609 -0.629 -0.651
-0.673 -0.697 -0.718 -0.733 -0.745 -0.751 -0.753 -0.749 -0.740 -0.728 -0.710 -0.689 -0.665 -0.639 -0.612 -0.587 -0.563 -0.541 -0.521 -0.504 -0.489 -0.476 -0.465 -0.455
-0.445 -0.436 -0.426 -0.418 -0.409 -0.400 -0.391 -0.383 -0.374 -0.365 -0.356 -0.348 -0.339 -0.330 -0.322 -0.314 -0.305 -0.297 -0.289 -0.281 -0.274 -0.266 -0.259 -0.241
-0.203 -0.160 -0.131 -0.110 -0.094 -0.080 -0.068 -0.058 -0.048 -0.040 -0.033
1.000 0.999 0.996 0.991 0.983 0.973 0.962 0.950 0.938 0.927 0.916 0.905 0.893 0.881 0.872 0.862 0.849 0.833 0.813 0.791 0.769 0.749 0.730 0.706
0.677 0.645 0.610 0.575 0.540 0.504 0.469 0.431 0.395 0.363 0.336 0.310 0.281 0.252 0.149 -0.017 -0.190 -0.365 -0.500 -0.563 -0.594 -0.617 -0.641 -0.667
-0.694 -0.718 -0.736 -0.750 -0.758 -0.761 -0.757 -0.749 -0.736 -0.718 -0.696 -0.672 -0.645 -0.618 -0.593 -0.568 -0.547 -0.527 -0.510 -0.496 -0.484 -0.473 -0.464 -0.454
-0.445 -0.436 -0.427 -0.418 -0.409 -0.400 -0.390 -0.381 -0.371 -0.362 -0.352 -0.343 -0.333 -0.324 -0.315 -0.306 -0.297 -0.289 -0.280 -0.272 -0.265 -0.257 -0.238 -0.200
-0.157 -0.129 -0.109 -0.093 -0.079 -0.067 -0.057 -0.047 -0.039 -0.032
1.000 0.999 0.995 0.990 0.982 0.972 0.962 0.952 0.941 0.931 0.921 0.910 0.898 0.889 0.880 0.866 0.850 0.830 0.807 0.785 0.763 0.743 0.719 0.690
0.657 0.621 0.585 0.549 0.512 0.475 0.437 0.400 0.367 0.340 0.313 0.284 0.254 0.150 -0.016 -0.185 -0.355 -0.485 -0.546 -0.579 -0.604 -0.631 -0.660 -0.691
-0.718 -0.738 -0.755 -0.764 -0.768 -0.764 -0.756 -0.742 -0.724 -0.701 -0.676 -0.649 -0.622 -0.596 -0.572 -0.550 -0.531 -0.515 -0.501 -0.490 -0.480 -0.471 -0.461 -0.452
-0.444 -0.435 -0.425 -0.416 -0.406 -0.396 -0.386 -0.376 -0.366 -0.356 -0.345 -0.335 -0.325 -0.315 -0.306 -0.296 -0.287 -0.278 -0.270 -0.261 -0.253 -0.234 -0.195 -0.152
-0.125 -0.105 -0.089 -0.076 -0.064 -0.053 -0.043 -0.035 -0.028
1.000 0.999 0.995 0.989 0.981 0.972 0.963 0.954 0.945 0.935 0.924 0.913 0.904 0.895 0.882 0.866 0.845 0.821 0.798 0.776 0.755 0.730 0.700 0.667
0.630 0.592 0.556 0.519 0.481 0.441 0.403 0.370 0.342 0.315 0.286 0.255 0.151 -0.014 -0.179 -0.342 -0.467 -0.527 -0.562 -0.590 -0.621 -0.654 -0.687 -0.717
-0.740 -0.758 -0.769 -0.773 -0.769 -0.761 -0.747 -0.727 -0.704 -0.678 -0.651 -0.623 -0.597 -0.573 -0.552 -0.533 -0.517 -0.504 -0.493 -0.484 -0.476 -0.467 -0.458 -0.450
-0.441 -0.431 -0.421 -0.411 -0.401 -0.390 -0.379 -0.368 -0.357 -0.346 -0.335 -0.324 -0.314 -0.303 -0.293 -0.284 -0.274 -0.265 -0.256 -0.248 -0.228 -0.188 -0.146 -0.118
-0.099 -0.084 -0.070 -0.058 -0.047 -0.037 -0.029 -0.022
1.000 0.999 0.995 0.989 0.982 0.975 0.967 0.959 0.950 0.940 0.929 0.920 0.912 0.899 0.883 0.862 0.838 0.814 0.791 0.769 0.744 0.714 0.680 0.642
0.604 0.567 0.529 0.490 0.450 0.410 0.376 0.348 0.320 0.291 0.260 0.154 -0.011 -0.172 -0.329 -0.450 -0.509 -0.545 -0.577 -0.611 -0.647 -0.684 -0.717 -0.742
-0.762 -0.773 -0.778 -0.775 -0.766 -0.752 -0.732 -0.708 -0.682 -0.654 -0.626 -0.600 -0.576 -0.555 -0.536 -0.521 -0.508 -0.498 -0.490 -0.482 -0.474 -0.465 -0.456 -0.447
-0.438 -0.427 -0.417 -0.405 -0.394 -0.382 -0.370 -0.359 -0.347 -0.335 -0.324 -0.313 -0.302 -0.291 -0.281 -0.271 -0.261 -0.252 -0.244 -0.222 -0.182 -0.141 -0.115 -0.096
-0.081 -0.068 -0.056 -0.044 -0.035 -0.026 -0.019
1.000 0.999 0.995 0.990 0.985 0.978 0.971 0.964 0.955 0.945 0.937 0.928 0.916 0.901 0.881 0.858 0.833 0.809 0.786 0.761 0.730 0.696 0.658 0.620
0.582 0.543 0.504 0.463 0.422 0.387 0.358 0.330 0.300 0.269 0.162 -0.004 -0.163 -0.316 -0.432 -0.492 -0.529 -0.563 -0.600 -0.640 -0.680 -0.715 -0.743 -0.765
-0.778 -0.784 -0.781 -0.772 -0.757 -0.737 -0.713 -0.687 -0.658 -0.630 -0.604 -0.580 -0.560 -0.542 -0.527 -0.515 -0.505 -0.497 -0.490 -0.482 -0.473 -0.465 -0.455 -0.445
-0.434 -0.423 -0.411 -0.399 -0.387 -0.374 -0.362 -0.349 -0.336 -0.324 -0.313 -0.301 -0.290 -0.279 -0.269 -0.259 -0.250 -0.241 -0.220 -0.180 -0.140 -0.115 -0.097 -0.082
-0.069 -0.057 -0.045 -0.036 -0.027 -0.020
1.000 0.999 0.996 0.992 0.987 0.982 0.975 0.968 0.959 0.951 0.944 0.932 0.918 0.899 0.876 0.851 0.827 0.803 0.778 0.748 0.714 0.676 0.637 0.599

0.559 0.520 0.478 0.437 0.401 0.371 0.342 0.312 0.282 0.173 0.005 -0.151 -0.300 -0.414 -0.474 -0.513 -0.550 -0.590 -0.633 -0.675 -0.714 -0.744 -0.768 -0.782
-0.788 -0.786 -0.778 -0.763 -0.743 -0.718 -0.692 -0.663 -0.636 -0.610 -0.586 -0.566 -0.548 -0.534 -0.522 -0.513 -0.505 -0.498 -0.490 -0.482 -0.473 -0.463 -0.453 -0.441
-0.430 -0.417 -0.404 -0.391 -0.378 -0.365 -0.352 -0.339 -0.326 -0.314 -0.302 -0.290 -0.279 -0.269 -0.259 -0.249 -0.240 -0.218 -0.179 -0.140 -0.117 -0.099 -0.085 -0.072
-0.060 -0.048 -0.038 -0.030 -0.023
1.000 0.999 0.997 0.994 0.989 0.984 0.978 0.970 0.963 0.956 0.946 0.932 0.914 0.891 0.867 0.842 0.819 0.793 0.763 0.729 0.692 0.653 0.615 0.575
0.535 0.493 0.452 0.415 0.384 0.356 0.326 0.295 0.186 0.018 -0.137 -0.283 -0.395 -0.456 -0.497 -0.537 -0.580 -0.626 -0.671 -0.713 -0.745 -0.770 -0.785 -0.793
-0.791 -0.783 -0.768 -0.748 -0.723 -0.697 -0.668 -0.641 -0.615 -0.591 -0.571 -0.554 -0.540 -0.529 -0.520 -0.513 -0.506 -0.498 -0.490 -0.481 -0.471 -0.460 -0.448 -0.436
-0.423 -0.409 -0.396 -0.382 -0.368 -0.354 -0.341 -0.328 -0.315 -0.303 -0.291 -0.279 -0.269 -0.258 -0.249 -0.239 -0.218 -0.179 -0.141 -0.118 -0.102 -0.088 -0.075 -0.062
-0.051 -0.041 -0.032 -0.025
1.000 0.999 0.997 0.995 0.991 0.985 0.979 0.972 0.966 0.956 0.944 0.926 0.904 0.880 0.856 0.832 0.807 0.777 0.744 0.707 0.668 0.630 0.590 0.550
0.508 0.466 0.429 0.398 0.370 0.340 0.309 0.200 0.032 -0.121 -0.264 -0.375 -0.439 -0.482 -0.526 -0.572 -0.621 -0.668 -0.711 -0.746 -0.772 -0.788 -0.796 -0.795
-0.787 -0.772 -0.752 -0.728 -0.701 -0.673 -0.645 -0.620 -0.597 -0.577 -0.560 -0.547 -0.536 -0.527 -0.520 -0.514 -0.506 -0.497 -0.488 -0.478 -0.467 -0.455 -0.442 -0.428
-0.414 -0.400 -0.386 -0.372 -0.357 -0.343 -0.330 -0.317 -0.304 -0.292 -0.280 -0.269 -0.259 -0.249 -0.239 -0.218 -0.179 -0.143 -0.120 -0.104 -0.090 -0.077 -0.065 -0.054
-0.043 -0.035 -0.028
1.000 0.999 0.998 0.995 0.991 0.985 0.980 0.974 0.965 0.953 0.937 0.916 0.892 0.868 0.845 0.820 0.791 0.758 0.721 0.683 0.645 0.606 0.566 0.524
0.482 0.445 0.413 0.385 0.355 0.325 0.215 0.048 -0.102 -0.245 -0.356 -0.423 -0.470 -0.517 -0.566 -0.617 -0.666 -0.711 -0.747 -0.774 -0.791 -0.799 -0.799 -0.791
-0.776 -0.756 -0.732 -0.706 -0.678 -0.651 -0.626 -0.603 -0.584 -0.567 -0.554 -0.543 -0.535 -0.528 -0.522 -0.514 -0.506 -0.496 -0.486 -0.474 -0.462 -0.448 -0.434 -0.420
-0.405 -0.390 -0.376 -0.361 -0.347 -0.333 -0.319 -0.306 -0.294 -0.282 -0.271 -0.260 -0.250 -0.241 -0.219 -0.181 -0.145 -0.124 -0.108 -0.094 -0.081 -0.069 -0.057 -0.047
-0.038 -0.031
1.000 0.999 0.998 0.995 0.990 0.985 0.980 0.973 0.962 0.946 0.926 0.903 0.880 0.857 0.833 0.804 0.772 0.736 0.698 0.660 0.622 0.582 0.540 0.499
0.461 0.430 0.401 0.372 0.342 0.233 0.066 -0.083 -0.225 -0.338 -0.409 -0.460 -0.510 -0.561 -0.615 -0.666 -0.712 -0.749 -0.777 -0.794 -0.803 -0.803 -0.795 -0.780
-0.761 -0.737 -0.711 -0.684 -0.657 -0.632 -0.610 -0.591 -0.575 -0.562 -0.552 -0.544 -0.537 -0.531 -0.523 -0.514 -0.505 -0.494 -0.482 -0.469 -0.456 -0.441 -0.426 -0.411
-0.396 -0.381 -0.366 -0.351 -0.337 -0.323 -0.310 -0.298 -0.286 -0.274 -0.264 -0.254 -0.244 -0.223 -0.185 -0.150 -0.129 -0.113 -0.099 -0.086 -0.074 -0.062 -0.052 -0.043
-0.036
1.000 0.999 0.997 0.994 0.990 0.986 0.979 0.970 0.955 0.936 0.914 0.892 0.870 0.846 0.818 0.787 0.752 0.715 0.677 0.639 0.600 0.558 0.517 0.480
0.449 0.420 0.391 0.361 0.252 0.086 -0.063 -0.205 -0.321 -0.397 -0.452 -0.505 -0.559 -0.614 -0.666 -0.714 -0.752 -0.780 -0.798 -0.807 -0.807 -0.799 -0.785 -0.767
-0.743 -0.718 -0.691 -0.665 -0.641 -0.619 -0.600 -0.584 -0.572 -0.561 -0.554 -0.547 -0.540 -0.533 -0.524 -0.514 -0.503 -0.491 -0.478 -0.463 -0.449 -0.433 -0.418 -0.402
-0.387 -0.372 -0.357 -0.343 -0.329 -0.316 -0.303 -0.291 -0.280 -0.269 -0.259 -0.250 -0.228 -0.191 -0.157 -0.136 -0.121 -0.107 -0.094 -0.081 -0.070 -0.059 -0.050 -0.043
1.000 0.999 0.997 0.994 0.991 0.985 0.977 0.964 0.947 0.926 0.905 0.883 0.861 0.834 0.804 0.769 0.733 0.697 0.659 0.620 0.579 0.539 0.501 0.470
0.442 0.413 0.383 0.275 0.109 -0.041 -0.185 -0.306 -0.387 -0.445 -0.502 -0.558 -0.615 -0.668 -0.716 -0.755 -0.784 -0.802 -0.811 -0.812 -0.805 -0.791 -0.773 -0.751
-0.726 -0.700 -0.674 -0.651 -0.629 -0.611 -0.596 -0.583 -0.573 -0.566 -0.559 -0.552 -0.544 -0.535 -0.525 -0.513 -0.501 -0.487 -0.473 -0.458 -0.442 -0.426 -0.410 -0.395
-0.380 -0.365 -0.350 -0.336 -0.323 -0.310 -0.298 -0.287 -0.277 -0.267 -0.257 -0.236 -0.200 -0.167 -0.147 -0.131 -0.117 -0.104 -0.092 -0.080 -0.069 -0.060 -0.053
1.000 0.999 0.997 0.995 0.991 0.984 0.973 0.957 0.938 0.918 0.897 0.876 0.850 0.821 0.788 0.753 0.717 0.680 0.642 0.602 0.562 0.525 0.494 0.465
0.437 0.407 0.299 0.132 -0.018 -0.165 -0.291 -0.378 -0.440 -0.500 -0.557 -0.616 -0.670 -0.719 -0.758 -0.787 -0.806 -0.815 -0.816 -0.810 -0.797 -0.780 -0.758 -0.735
-0.710 -0.685 -0.662 -0.641 -0.623 -0.608 -0.596 -0.586 -0.578 -0.571 -0.564 -0.556 -0.546 -0.536 -0.524 -0.511 -0.497 -0.482 -0.467 -0.451 -0.435 -0.419 -0.404 -0.388
-0.373 -0.359 -0.345 -0.332 -0.319 -0.307 -0.296 -0.286 -0.276 -0.267 -0.246 -0.211 -0.179 -0.159 -0.144 -0.130 -0.117 -0.104 -0.092 -0.081 -0.072 -0.065
1.000 0.999 0.998 0.995 0.990 0.981 0.967 0.950 0.931 0.912 0.892 0.867 0.840 0.808 0.775 0.740 0.704 0.667 0.628 0.588 0.551 0.520 0.492 0.463
0.435 0.327 0.159 0.008 -0.144 -0.276 -0.370 -0.437 -0.499 -0.558 -0.618 -0.673 -0.722 -0.762 -0.790 -0.810 -0.819 -0.821 -0.816 -0.804 -0.788 -0.767 -0.745 -0.721
-0.697 -0.675 -0.654 -0.637 -0.622 -0.610 -0.600 -0.592 -0.585 -0.578 -0.569 -0.559 -0.548 -0.536 -0.523 -0.508 -0.493 -0.478 -0.461 -0.445 -0.429 -0.413 -0.398 -0.383
-0.369 -0.355 -0.342 -0.329 -0.318 -0.307 -0.297 -0.287 -0.278 -0.258 -0.225 -0.193 -0.174 -0.158 -0.144 -0.131 -0.118 -0.106 -0.095 -0.086 -0.078
1.000 0.999 0.998 0.994 0.986 0.975 0.959 0.942 0.925 0.905 0.883 0.856 0.826 0.794 0.760 0.725 0.689 0.651 0.612 0.577 0.546 0.518 0.490 0.462
0.355 0.188 0.036 -0.121 -0.261 -0.363 -0.436 -0.502 -0.563 -0.624 -0.679 -0.729 -0.768 -0.797 -0.816 -0.826 -0.828 -0.823 -0.812 -0.797 -0.777 -0.756 -0.733 -0.709
-0.688 -0.668 -0.651 -0.637 -0.625 -0.615 -0.607 -0.599 -0.591 -0.582 -0.572 -0.561 -0.548 -0.534 -0.520 -0.504 -0.488 -0.472 -0.455 -0.440 -0.424 -0.408 -0.393 -0.379

-0.366 -0.353 -0.340 -0.329 -0.318 -0.308 -0.299 -0.290 -0.271 -0.237 -0.207 -0.187 -0.171 -0.156 -0.143 -0.129 -0.117 -0.106 -0.097 -0.089
1.000 0.999 0.997 0.991 0.981 0.967 0.952 0.936 0.918 0.896 0.872 0.843 0.812 0.780 0.746 0.711 0.673 0.636 0.601 0.571 0.543 0.516 0.488 0.383
0.218 0.064 -0.097 -0.245 -0.356 -0.435 -0.505 -0.569 -0.631 -0.687 -0.736 -0.775 -0.803 -0.822 -0.832 -0.834 -0.830 -0.819 -0.805 -0.786 -0.766 -0.743 -0.721 -0.700
-0.681 -0.665 -0.650 -0.638 -0.628 -0.620 -0.612 -0.604 -0.595 -0.584 -0.572 -0.559 -0.545 -0.530 -0.514 -0.498 -0.481 -0.465 -0.449 -0.433 -0.418 -0.403 -0.389 -0.375
-0.362 -0.350 -0.339 -0.329 -0.319 -0.309 -0.301 -0.282 -0.250 -0.219 -0.199 -0.182 -0.168 -0.154 -0.140 -0.128 -0.117 -0.107 -0.099
1.000 0.999 0.995 0.987 0.976 0.962 0.947 0.931 0.911 0.888 0.861 0.832 0.801 0.768 0.734 0.698 0.662 0.627 0.598 0.571 0.544 0.517 0.413 0.249
0.094 -0.073 -0.229 -0.349 -0.433 -0.507 -0.573 -0.636 -0.692 -0.741 -0.780 -0.807 -0.826 -0.836 -0.839 -0.835 -0.825 -0.812 -0.794 -0.775 -0.754 -0.732 -0.713 -0.694
-0.678 -0.664 -0.652 -0.642 -0.633 -0.625 -0.617 -0.607 -0.595 -0.583 -0.570 -0.555 -0.540 -0.524 -0.507 -0.490 -0.474 -0.458 -0.442 -0.427 -0.412 -0.398 -0.385 -0.372
-0.360 -0.349 -0.339 -0.329 -0.321 -0.312 -0.294 -0.263 -0.233 -0.213 -0.197 -0.182 -0.168 -0.154 -0.142 -0.130 -0.121 -0.113
1.000 0.998 0.993 0.984 0.972 0.960 0.945 0.927 0.906 0.881 0.854 0.824 0.794 0.761 0.727 0.691 0.657 0.628 0.602 0.576 0.550 0.447 0.283 0.126
-0.047 -0.213 -0.342 -0.433 -0.510 -0.577 -0.641 -0.697 -0.745 -0.784 -0.811 -0.829 -0.839 -0.843 -0.840 -0.831 -0.819 -0.803 -0.785 -0.765 -0.745 -0.726 -0.709 -0.693
-0.679 -0.668 -0.657 -0.648 -0.639 -0.630 -0.620 -0.608 -0.595 -0.581 -0.566 -0.550 -0.534 -0.517 -0.500 -0.484 -0.467 -0.452 -0.437 -0.422 -0.409 -0.396 -0.383 -0.372
-0.362 -0.352 -0.342 -0.334 -0.326 -0.309 -0.280 -0.251 -0.231 -0.215 -0.199 -0.185 -0.171 -0.158 -0.147 -0.137 -0.129
1.000 0.998 0.992 0.983 0.972 0.960 0.945 0.926 0.904 0.879 0.852 0.823 0.792 0.760 0.726 0.693 0.665 0.639 0.614 0.588 0.487 0.323 0.163 -0.019
-0.197 -0.337 -0.433 -0.514 -0.582 -0.646 -0.701 -0.748 -0.786 -0.813 -0.831 -0.841 -0.846 -0.844 -0.837 -0.827 -0.813 -0.796 -0.778 -0.760 -0.742 -0.725 -0.710 -0.697
-0.685 -0.674 -0.665 -0.655 -0.645 -0.634 -0.621 -0.607 -0.593 -0.577 -0.561 -0.545 -0.528 -0.511 -0.495 -0.479 -0.464 -0.449 -0.435 -0.422 -0.409 -0.398 -0.387 -0.377
-0.368 -0.359 -0.351 -0.344 -0.328 -0.301 -0.273 -0.253 -0.236 -0.221 -0.206 -0.192 -0.179 -0.168 -0.158 -0.150
1.000 0.998 0.992 0.984 0.975 0.962 0.946 0.927 0.905 0.880 0.854 0.826 0.796 0.764 0.733 0.705 0.681 0.656 0.632 0.533 0.369 0.205 0.013 -0.180
-0.332 -0.436 -0.520 -0.589 -0.653 -0.706 -0.752 -0.789 -0.815 -0.833 -0.843 -0.848 -0.848 -0.842 -0.835 -0.823 -0.809 -0.793 -0.776 -0.759 -0.744 -0.729 -0.716 -0.704
-0.693 -0.682 -0.672 -0.661 -0.649 -0.635 -0.621 -0.606 -0.590 -0.574 -0.557 -0.540 -0.524 -0.507 -0.492 -0.477 -0.463 -0.450 -0.437 -0.426 -0.415 -0.405 -0.395 -0.387
-0.379 -0.371 -0.365 -0.350 -0.325 -0.299 -0.278 -0.261 -0.245 -0.229 -0.215 -0.202 -0.191 -0.181 -0.172
1.000 0.998 0.993 0.986 0.977 0.964 0.948 0.929 0.908 0.884 0.859 0.831 0.802 0.773 0.747 0.723 0.700 0.677 0.581 0.419 0.251 0.048 -0.161 -0.328
-0.440 -0.528 -0.598 -0.662 -0.714 -0.758 -0.794 -0.818 -0.835 -0.845 -0.851 -0.852 -0.849 -0.843 -0.833 -0.822 -0.808 -0.792 -0.777 -0.762 -0.748 -0.735 -0.723 -0.712
-0.700 -0.689 -0.677 -0.664 -0.650 -0.634 -0.619 -0.602 -0.586 -0.569 -0.553 -0.537 -0.521 -0.506 -0.492 -0.478 -0.466 -0.454 -0.443 -0.433 -0.424 -0.415 -0.407 -0.400
-0.393 -0.387 -0.374 -0.351 -0.324 -0.303 -0.285 -0.268 -0.252 -0.238 -0.225 -0.213 -0.203 -0.194
1.000 0.998 0.994 0.988 0.978 0.965 0.949 0.931 0.910 0.887 0.862 0.835 0.809 0.785 0.762 0.740 0.718 0.627 0.469 0.298 0.084 -0.141 -0.323 -0.445
-0.537 -0.609 -0.672 -0.723 -0.765 -0.799 -0.821 -0.838 -0.847 -0.854 -0.856 -0.854 -0.850 -0.843 -0.833 -0.821 -0.807 -0.793 -0.779 -0.766 -0.753 -0.740 -0.729 -0.717
-0.704 -0.691 -0.677 -0.662 -0.646 -0.630 -0.613 -0.597 -0.580 -0.564 -0.548 -0.533 -0.518 -0.505 -0.492 -0.480 -0.469 -0.459 -0.449 -0.441 -0.433 -0.426 -0.419 -0.413
-0.407 -0.395 -0.374 -0.347 -0.325 -0.306 -0.288 -0.272 -0.257 -0.244 -0.232 -0.221 -0.212
1.000 0.999 0.995 0.988 0.978 0.965 0.949 0.931 0.911 0.888 0.864 0.839 0.817 0.797 0.776 0.755 0.668 0.515 0.343 0.120 -0.121 -0.318 -0.449 -0.546
-0.620 -0.683 -0.732 -0.773 -0.804 -0.825 -0.840 -0.849 -0.855 -0.858 -0.857 -0.855 -0.849 -0.841 -0.831 -0.818 -0.806 -0.793 -0.780 -0.767 -0.755 -0.743 -0.730 -0.717
-0.703 -0.688 -0.672 -0.656 -0.639 -0.622 -0.606 -0.589 -0.573 -0.557 -0.542 -0.528 -0.515 -0.503 -0.492 -0.482 -0.472 -0.463 -0.455 -0.448 -0.441 -0.435 -0.429 -0.424
-0.413 -0.393 -0.366 -0.343 -0.323 -0.304 -0.287 -0.272 -0.259 -0.247 -0.236 -0.227
1.000 0.999 0.994 0.987 0.977 0.963 0.948 0.930 0.910 0.888 0.865 0.845 0.826 0.807 0.787 0.704 0.555 0.384 0.153 -0.100 -0.310 -0.449 -0.550 -0.626
-0.689 -0.737 -0.775 -0.805 -0.824 -0.838 -0.846 -0.853 -0.856 -0.856 -0.855 -0.851 -0.844 -0.836 -0.825 -0.813 -0.801 -0.789 -0.777 -0.765 -0.752 -0.739 -0.725 -0.711
-0.695 -0.679 -0.662 -0.645 -0.628 -0.611 -0.594 -0.578 -0.563 -0.548 -0.534 -0.522 -0.510 -0.500 -0.490 -0.481 -0.473 -0.465 -0.459 -0.453 -0.447 -0.442 -0.437 -0.428
-0.409 -0.383 -0.359 -0.338 -0.320 -0.302 -0.287 -0.273 -0.261 -0.251 -0.241
1.000 0.999 0.994 0.986 0.976 0.963 0.948 0.930 0.910 0.890 0.871 0.853 0.836 0.817 0.739 0.595 0.423 0.186 -0.079 -0.300 -0.446 -0.551 -0.628 -0.690
-0.737 -0.774 -0.802 -0.819 -0.832 -0.839 -0.846 -0.850 -0.851 -0.851 -0.849 -0.844 -0.837 -0.828 -0.818 -0.807 -0.796 -0.784 -0.772 -0.759 -0.746 -0.732 -0.716 -0.700
-0.683 -0.666 -0.648 -0.630 -0.614 -0.597 -0.581 -0.566 -0.551 -0.538 -0.526 -0.515 -0.505 -0.496 -0.488 -0.480 -0.474 -0.468 -0.462 -0.457 -0.453 -0.449 -0.441 -0.424
-0.399 -0.376 -0.355 -0.336 -0.318 -0.303 -0.289 -0.278 -0.267 -0.257
1.000 0.998 0.994 0.986 0.976 0.963 0.948 0.931 0.913 0.896 0.879 0.863 0.846 0.773 0.633 0.462 0.219 -0.056 -0.288 -0.442 -0.550 -0.628 -0.690 -0.735
-0.770 -0.796 -0.811 -0.823 -0.830 -0.836 -0.841 -0.843 -0.845 -0.844 -0.842 -0.837 -0.829 -0.821 -0.811 -0.800 -0.789 -0.777 -0.764 -0.750 -0.736 -0.720 -0.703 -0.685

-0.667 -0.650 -0.632 -0.615 -0.598 -0.582 -0.567 -0.553 -0.541 -0.529 -0.519 -0.510 -0.501 -0.494 -0.487 -0.481 -0.476 -0.471 -0.467 -0.463 -0.460 -0.454 -0.440 -0.416
-0.393 -0.372 -0.353 -0.335 -0.320 -0.306 -0.294 -0.284 -0.274
1.000 0.998 0.994 0.987 0.977 0.964 0.950 0.934 0.918 0.904 0.889 0.874 0.806 0.672 0.502 0.253 -0.033 -0.276 -0.436 -0.548 -0.626 -0.687 -0.731 -0.763
-0.788 -0.801 -0.811 -0.817 -0.824 -0.829 -0.832 -0.836 -0.837 -0.837 -0.834 -0.828 -0.821 -0.813 -0.803 -0.792 -0.780 -0.768 -0.753 -0.738 -0.721 -0.704 -0.686 -0.667
-0.649 -0.631 -0.614 -0.597 -0.582 -0.567 -0.554 -0.542 -0.531 -0.522 -0.513 -0.505 -0.499 -0.493 -0.488 -0.484 -0.480 -0.476 -0.473 -0.471 -0.466 -0.455 -0.434 -0.411
-0.389 -0.370 -0.352 -0.337 -0.324 -0.312 -0.301 -0.292
1.000 0.998 0.994 0.987 0.977 0.965 0.952 0.939 0.926 0.913 0.899 0.836 0.708 0.540 0.286 -0.010 -0.263 -0.430 -0.544 -0.623 -0.683 -0.726 -0.756 -0.778
-0.789 -0.798 -0.803 -0.810 -0.816 -0.820 -0.825 -0.829 -0.830 -0.829 -0.825 -0.820 -0.813 -0.804 -0.793 -0.782 -0.769 -0.754 -0.738 -0.721 -0.703 -0.685 -0.666 -0.647
-0.629 -0.612 -0.596 -0.580 -0.566 -0.553 -0.542 -0.532 -0.523 -0.515 -0.509 -0.503 -0.498 -0.494 -0.490 -0.487 -0.484 -0.482 -0.480 -0.477 -0.469 -0.449 -0.427 -0.405
-0.386 -0.368 -0.353 -0.340 -0.328 -0.317 -0.307
1.000 0.999 0.994 0.988 0.978 0.967 0.956 0.945 0.933 0.921 0.864 0.743 0.577 0.319 0.013 -0.250 -0.423 -0.540 -0.620 -0.679 -0.720 -0.747 -0.767 -0.777
-0.785 -0.789 -0.795 -0.802 -0.807 -0.814 -0.819 -0.822 -0.823 -0.821 -0.817 -0.811 -0.803 -0.793 -0.782 -0.769 -0.754 -0.738 -0.720 -0.701 -0.682 -0.663 -0.644 -0.626
-0.609 -0.593 -0.578 -0.564 -0.552 -0.541 -0.532 -0.524 -0.517 -0.511 -0.506 -0.502 -0.499 -0.496 -0.494 -0.492 -0.490 -0.489 -0.488 -0.482 -0.464 -0.441 -0.419 -0.400
-0.382 -0.367 -0.354 -0.342 -0.332 -0.322
1.000 0.999 0.994 0.988 0.979 0.970 0.961 0.951 0.941 0.889 0.775 0.612 0.351 0.036 -0.236 -0.415 -0.534 -0.615 -0.673 -0.712 -0.737 -0.755 -0.763 -0.770
-0.773 -0.779 -0.786 -0.793 -0.800 -0.807 -0.812 -0.815 -0.815 -0.812 -0.807 -0.800 -0.791 -0.780 -0.767 -0.752 -0.735 -0.717 -0.698 -0.678 -0.659 -0.640 -0.621 -0.605
-0.589 -0.574 -0.561 -0.549 -0.539 -0.530 -0.523 -0.517 -0.512 -0.508 -0.504 -0.502 -0.500 -0.499 -0.498 -0.497 -0.496 -0.497 -0.493 -0.476 -0.454 -0.432 -0.412 -0.395
-0.379 -0.367 -0.355 -0.345 -0.335
1.000 0.999 0.995 0.988 0.981 0.974 0.966 0.957 0.911 0.804 0.644 0.380 0.058 -0.222 -0.405 -0.527 -0.607 -0.665 -0.701 -0.725 -0.741 -0.747 -0.752 -0.755
-0.761 -0.769 -0.776 -0.786 -0.794 -0.801 -0.805 -0.807 -0.805 -0.801 -0.795 -0.786 -0.776 -0.763 -0.747 -0.730 -0.711 -0.692 -0.672 -0.653 -0.634 -0.615 -0.599 -0.583
-0.569 -0.557 -0.546 -0.536 -0.528 -0.522 -0.517 -0.512 -0.509 -0.506 -0.505 -0.504 -0.503 -0.502 -0.502 -0.502 -0.504 -0.503 -0.487 -0.465 -0.443 -0.423 -0.405 -0.390
-0.377 -0.366 -0.356 -0.346
1.000 0.999 0.995 0.990 0.984 0.977 0.970 0.930 0.830 0.673 0.407 0.079 -0.207 -0.395 -0.518 -0.598 -0.653 -0.688 -0.709 -0.723 -0.728 -0.732 -0.735 -0.741
-0.749 -0.758 -0.769 -0.779 -0.787 -0.794 -0.796 -0.796 -0.794 -0.788 -0.780 -0.769 -0.756 -0.740 -0.723 -0.704 -0.684 -0.665 -0.645 -0.626 -0.608 -0.592 -0.577 -0.563
-0.551 -0.541 -0.532 -0.525 -0.519 -0.515 -0.512 -0.509 -0.507 -0.507 -0.506 -0.506 -0.506 -0.507 -0.507 -0.511 -0.511 -0.496 -0.474 -0.451 -0.432 -0.414 -0.399 -0.387
-0.375 -0.365 -0.355
1.000 0.999 0.995 0.991 0.986 0.981 0.946 0.854 0.701 0.434 0.101 -0.192 -0.383 -0.507 -0.587 -0.642 -0.674 -0.693 -0.706 -0.709 -0.712 -0.714 -0.721 -0.729
-0.739 -0.751 -0.763 -0.773 -0.781 -0.785 -0.786 -0.784 -0.779 -0.772 -0.761 -0.749 -0.733 -0.715 -0.696 -0.676 -0.656 -0.636 -0.618 -0.600 -0.584 -0.569 -0.556 -0.545
-0.536 -0.528 -0.521 -0.516 -0.513 -0.510 -0.509 -0.508 -0.508 -0.508 -0.509 -0.509 -0.510 -0.512 -0.516 -0.518 -0.504 -0.481 -0.459 -0.439 -0.421 -0.407 -0.394 -0.383
-0.373 -0.364
1.000 0.999 0.996 0.993 0.989 0.961 0.877 0.728 0.461 0.122 -0.177 -0.373 -0.499 -0.579 -0.632 -0.664 -0.681 -0.691 -0.693 -0.695 -0.696 -0.703 -0.712 -0.723
-0.735 -0.749 -0.760 -0.769 -0.774 -0.776 -0.776 -0.771 -0.764 -0.754 -0.741 -0.725 -0.707 -0.688 -0.668 -0.648 -0.628 -0.610 -0.592 -0.577 -0.563 -0.550 -0.540 -0.531
-0.523 -0.517 -0.513 -0.511 -0.509 -0.508 -0.507 -0.508 -0.509 -0.510 -0.512 -0.513 -0.515 -0.520 -0.523 -0.509 -0.486 -0.464 -0.444 -0.426 -0.411 -0.399 -0.388 -0.378
-0.369
1.000 0.999 0.997 0.994 0.972 0.896 0.752 0.486 0.143 -0.163 -0.363 -0.491 -0.572 -0.625 -0.655 -0.671 -0.680 -0.680 -0.681 -0.682 -0.688 -0.697 -0.708 -0.721
-0.736 -0.748 -0.758 -0.764 -0.767 -0.767 -0.763 -0.757 -0.747 -0.734 -0.718 -0.700 -0.681 -0.661 -0.641 -0.621 -0.603 -0.585 -0.570 -0.556 -0.544 -0.534 -0.526 -0.519
-0.514 -0.510 -0.508 -0.507 -0.506 -0.506 -0.508 -0.509 -0.511 -0.512 -0.514 -0.516 -0.522 -0.526 -0.512 -0.489 -0.466 -0.446 -0.428 -0.413 -0.401 -0.391 -0.381 -0.371
1.000 0.999 0.998 0.980 0.911 0.773 0.509 0.162 -0.147 -0.352 -0.482 -0.563 -0.616 -0.646 -0.660 -0.668 -0.667 -0.667 -0.668 -0.673 -0.682 -0.693 -0.707 -0.722
-0.735 -0.746 -0.753 -0.757 -0.758 -0.755 -0.749 -0.739 -0.727 -0.711 -0.693 -0.673 -0.653 -0.634 -0.614 -0.596 -0.578 -0.563 -0.550 -0.538 -0.529 -0.520 -0.514 -0.509
-0.506 -0.504 -0.503 -0.503 -0.504 -0.505 -0.507 -0.509 -0.511 -0.513 -0.516 -0.522 -0.528 -0.514 -0.491 -0.468 -0.448 -0.430 -0.416 -0.404 -0.393 -0.383 -0.374
1.000 0.999 0.986 0.924 0.791 0.529 0.182 -0.131 -0.337 -0.469 -0.551 -0.604 -0.633 -0.647 -0.653 -0.652 -0.651 -0.651 -0.656 -0.665 -0.677 -0.691 -0.707 -0.720
-0.732 -0.741 -0.746 -0.747 -0.745 -0.739 -0.730 -0.718 -0.702 -0.684 -0.665 -0.645 -0.625 -0.606 -0.588 -0.570 -0.556 -0.542 -0.531 -0.522 -0.514 -0.508 -0.503 -0.501
-0.499 -0.499 -0.499 -0.500 -0.502 -0.504 -0.507 -0.509 -0.512 -0.514 -0.522 -0.529 -0.517 -0.494 -0.471 -0.451 -0.434 -0.420 -0.408 -0.398 -0.388 -0.378

1.000 0.991 0.935 0.807 0.549 0.202 -0.113 -0.322 -0.455 -0.538 -0.590 -0.618 -0.631 -0.637 -0.635 -0.634 -0.633 -0.638 -0.647 -0.659 -0.674 -0.691 -0.705 -0.718
-0.728 -0.733 -0.736 -0.734 -0.729 -0.720 -0.709 -0.693 -0.676 -0.656 -0.636 -0.617 -0.597 -0.579 -0.562 -0.548 -0.535 -0.523 -0.515 -0.507 -0.501 -0.497 -0.495 -0.494
-0.494 -0.495 -0.496 -0.499 -0.501 -0.504 -0.507 -0.510 -0.513 -0.521 -0.530 -0.519 -0.497 -0.475 -0.455 -0.438 -0.424 -0.413 -0.403 -0.393 -0.384
1.000 0.973 0.871 0.631 0.287 -0.037 -0.256 -0.395 -0.482 -0.536 -0.565 -0.577 -0.581 -0.577 -0.574 -0.572 -0.576 -0.586 -0.599 -0.615 -0.633 -0.651 -0.667 -0.679
-0.688 -0.694 -0.694 -0.692 -0.685 -0.675 -0.661 -0.644 -0.625 -0.606 -0.588 -0.569 -0.552 -0.536 -0.522 -0.510 -0.500 -0.492 -0.486 -0.482 -0.478 -0.477 -0.478 -0.479
-0.481 -0.484 -0.488 -0.492 -0.496 -0.500 -0.504 -0.508 -0.519 -0.532 -0.525 -0.505 -0.484 -0.465 -0.448 -0.435 -0.424 -0.415 -0.406 -0.397
1.000 0.957 0.773 0.459 0.137 -0.094 -0.247 -0.347 -0.411 -0.448 -0.466 -0.474 -0.473 -0.472 -0.472 -0.477 -0.487 -0.501 -0.518 -0.539 -0.559 -0.579 -0.596 -0.610
-0.620 -0.625 -0.628 -0.626 -0.620 -0.610 -0.596 -0.581 -0.565 -0.549 -0.533 -0.518 -0.504 -0.493 -0.482 -0.474 -0.467 -0.462 -0.459 -0.457 -0.456 -0.458 -0.460 -0.463
-0.467 -0.471 -0.476 -0.481 -0.486 -0.491 -0.496 -0.510 -0.528 -0.528 -0.512 -0.493 -0.476 -0.461 -0.449 -0.439 -0.431 -0.423 -0.415
1.000 0.922 0.689 0.401 0.170 0.004 -0.116 -0.201 -0.261 -0.300 -0.327 -0.342 -0.354 -0.363 -0.374 -0.387 -0.403 -0.422 -0.443 -0.464 -0.485 -0.505 -0.522 -0.536
-0.547 -0.555 -0.559 -0.560 -0.557 -0.551 -0.543 -0.533 -0.523 -0.512 -0.502 -0.491 -0.482 -0.474 -0.466 -0.461 -0.456 -0.452 -0.450 -0.449 -0.450 -0.451 -0.453 -0.456
-0.459 -0.463 -0.468 -0.472 -0.477 -0.482 -0.494 -0.514 -0.521 -0.511 -0.497 -0.483 -0.470 -0.460 -0.451 -0.444 -0.437 -0.430
1.000 0.915 0.718 0.523 0.361 0.228 0.120 0.032 -0.039 -0.096 -0.140 -0.174 -0.202 -0.225 -0.246 -0.267 -0.286 -0.306 -0.325 -0.345 -0.365 -0.383 -0.400 -0.415
-0.428 -0.440 -0.449 -0.456 -0.461 -0.463 -0.464 -0.463 -0.462 -0.458 -0.455 -0.450 -0.446 -0.441 -0.437 -0.433 -0.430 -0.427 -0.424 -0.423 -0.422 -0.421 -0.422 -0.423
-0.424 -0.426 -0.428 -0.431 -0.433 -0.440 -0.455 -0.467 -0.465 -0.457 -0.447 -0.438 -0.430 -0.424 -0.418 -0.413 -0.408
1.000 0.937 0.817 0.690 0.570 0.459 0.356 0.263 0.182 0.114 0.057 0.011 -0.026 -0.056 -0.080 -0.101 -0.120 -0.138 -0.155 -0.173 -0.191 -0.208 -0.226 -0.243
-0.260 -0.277 -0.293 -0.307 -0.320 -0.332 -0.341 -0.348 -0.353 -0.357 -0.359 -0.359 -0.358 -0.356 -0.353 -0.351 -0.347 -0.344 -0.341 -0.338 -0.335 -0.333 -0.331 -0.329
-0.328 -0.328 -0.328 -0.328 -0.328 -0.336 -0.350 -0.358 -0.358 -0.355 -0.351 -0.347 -0.343 -0.340 -0.338 -0.335
1.000 0.966 0.894 0.807 0.712 0.614 0.516 0.424 0.341 0.270 0.210 0.161 0.123 0.094 0.070 0.052 0.035 0.020 0.005 -0.010 -0.025 -0.042 -0.060 -0.079
-0.099 -0.120 -0.140 -0.160 -0.179 -0.196 -0.211 -0.223 -0.234 -0.242 -0.248 -0.251 -0.253 -0.254 -0.253 -0.252 -0.249 -0.246 -0.243 -0.239 -0.235 -0.232 -0.229 -0.225
-0.223 -0.220 -0.218 -0.212 -0.209 -0.220 -0.230 -0.236 -0.237 -0.237 -0.237 -0.236 -0.235 -0.234 -0.234
1.000 0.979 0.928 0.858 0.777 0.688 0.598 0.513 0.437 0.371 0.315 0.271 0.237 0.209 0.189 0.171 0.156 0.142 0.127 0.112 0.096 0.078 0.059 0.038
0.015 -0.008 -0.031 -0.053 -0.074 -0.093 -0.110 -0.125 -0.137 -0.146 -0.154 -0.159 -0.162 -0.164 -0.164 -0.163 -0.160 -0.157 -0.154 -0.150 -0.146 -0.142 -0.138 -0.134
-0.130 -0.127 -0.117 -0.107 -0.114 -0.125 -0.134 -0.139 -0.142 -0.144 -0.145 -0.146 -0.147 -0.148
1.000 0.984 0.943 0.883 0.809 0.728 0.647 0.571 0.502 0.442 0.393 0.354 0.321 0.297 0.276 0.259 0.243 0.228 0.214 0.198 0.181 0.162 0.141 0.118
0.095 0.070 0.047 0.024 0.003 -0.017 -0.035 -0.050 -0.063 -0.074 -0.082 -0.088 -0.092 -0.095 -0.096 -0.095 -0.093 -0.091 -0.088 -0.084 -0.080 -0.076 -0.072 -0.068
-0.064 -0.052 -0.035 -0.037 -0.047 -0.057 -0.063 -0.068 -0.071 -0.074 -0.076 -0.078 -0.080
1.000 0.987 0.950 0.895 0.828 0.756 0.684 0.617 0.555 0.504 0.460 0.423 0.394 0.369 0.348 0.330 0.313 0.297 0.281 0.263 0.245 0.224 0.202 0.179
0.155 0.130 0.107 0.084 0.063 0.043 0.026 0.011 -0.002 -0.013 -0.022 -0.028 -0.033 -0.036 -0.036 -0.036 -0.035 -0.033 -0.030 -0.027 -0.023 -0.019 -0.015 -0.011
0.003 0.023 0.026 0.017 0.007 -0.001 -0.006 -0.011 -0.015 -0.018 -0.021 -0.024
1.000 0.988 0.954 0.905 0.846 0.782 0.719 0.659 0.606 0.559 0.518 0.484 0.455 0.430 0.408 0.388 0.370 0.352 0.334 0.315 0.295 0.274 0.251 0.228
0.204 0.181 0.158 0.136 0.115 0.097 0.080 0.065 0.052 0.042 0.033 0.026 0.022 0.019 0.017 0.017 0.018 0.019 0.022 0.025 0.028 0.032 0.036 0.049
0.070 0.076 0.068 0.058 0.049 0.043 0.037 0.032 0.028 0.025 0.021
1.000 0.989 0.958 0.915 0.862 0.807 0.751 0.700 0.652 0.609 0.571 0.538 0.508 0.482 0.459 0.438 0.418 0.399 0.380 0.360 0.339 0.317 0.295 0.271
0.249 0.226 0.204 0.183 0.164 0.146 0.130 0.116 0.104 0.094 0.085 0.079 0.075 0.072 0.070 0.069 0.070 0.071 0.073 0.075 0.078 0.081 0.093 0.114
0.121 0.113 0.102 0.092 0.085 0.078 0.073 0.068 0.064 0.060
1.000 0.990 0.964 0.925 0.881 0.832 0.784 0.738 0.693 0.652 0.615 0.582 0.552 0.526 0.502 0.479 0.458 0.438 0.418 0.398 0.377 0.356 0.334 0.312
0.290 0.269 0.248 0.229 0.211 0.194 0.179 0.166 0.155 0.146 0.138 0.132 0.127 0.124 0.122 0.121 0.121 0.122 0.123 0.125 0.127 0.137 0.155 0.160
0.152 0.139 0.129 0.120 0.113 0.107 0.101 0.096 0.092
1.000 0.991 0.969 0.936 0.897 0.855 0.812 0.769 0.727 0.689 0.652 0.620 0.590 0.563 0.539 0.516 0.495 0.475 0.455 0.435 0.414 0.393 0.373 0.352
0.331 0.311 0.292 0.275 0.258 0.243 0.229 0.217 0.207 0.198 0.191 0.185 0.181 0.178 0.175 0.174 0.174 0.174 0.174 0.176 0.183 0.196 0.199 0.188
0.174 0.162 0.153 0.145 0.138 0.132 0.126 0.121
1.000 0.993 0.973 0.944 0.910 0.873 0.833 0.793 0.753 0.716 0.681 0.649 0.620 0.593 0.569 0.547 0.527 0.507 0.488 0.468 0.449 0.429 0.409 0.390

0.371 0.353 0.336 0.320 0.305 0.291 0.279 0.268 0.258 0.251 0.244 0.238 0.234 0.230 0.228 0.226 0.225 0.224 0.224 0.227 0.234 0.232 0.219 0.203
0.189 0.178 0.169 0.161 0.154 0.148 0.142
1.000 0.994 0.977 0.952 0.921 0.886 0.849 0.811 0.774 0.738 0.705 0.674 0.647 0.621 0.599 0.578 0.558 0.539 0.521 0.502 0.483 0.465 0.447 0.429
0.412 0.396 0.380 0.365 0.352 0.340 0.329 0.319 0.310 0.303 0.296 0.291 0.286 0.283 0.280 0.278 0.276 0.274 0.274 0.274 0.265 0.249 0.231 0.216
0.204 0.194 0.185 0.177 0.170 0.163
1.000 0.994 0.979 0.957 0.928 0.896 0.861 0.825 0.790 0.757 0.725 0.697 0.671 0.648 0.626 0.607 0.588 0.570 0.552 0.534 0.517 0.500 0.483 0.467
0.452 0.437 0.423 0.410 0.398 0.387 0.377 0.369 0.361 0.354 0.347 0.342 0.337 0.333 0.330 0.327 0.324 0.321 0.314 0.298 0.277 0.257 0.240 0.227
0.216 0.206 0.198 0.190 0.182
1.000 0.995 0.982 0.961 0.934 0.904 0.871 0.838 0.806 0.775 0.746 0.720 0.697 0.675 0.656 0.637 0.619 0.602 0.585 0.568 0.552 0.536 0.521 0.506
0.492 0.479 0.467 0.455 0.445 0.435 0.426 0.417 0.410 0.403 0.397 0.392 0.387 0.383 0.379 0.376 0.369 0.355 0.333 0.309 0.287 0.269 0.254 0.242
0.231 0.222 0.213 0.205
1.000 0.996 0.983 0.963 0.939 0.910 0.881 0.851 0.821 0.794 0.768 0.744 0.723 0.703 0.684 0.667 0.649 0.633 0.616 0.601 0.585 0.571 0.557 0.544
0.531 0.520 0.508 0.498 0.488 0.479 0.471 0.464 0.457 0.450 0.445 0.439 0.434 0.430 0.426 0.417 0.398 0.370 0.343 0.319 0.298 0.282 0.269 0.258
0.248 0.238 0.230
1.000 0.996 0.984 0.966 0.943 0.917 0.891 0.864 0.838 0.813 0.790 0.768 0.749 0.730 0.712 0.694 0.678 0.661 0.646 0.631 0.617 0.604 0.591 0.579
0.568 0.557 0.547 0.538 0.529 0.521 0.514 0.506 0.500 0.494 0.488 0.483 0.478 0.474 0.463 0.440 0.407 0.377 0.352 0.330 0.313 0.299 0.287 0.276
0.266 0.256
1.000 0.996 0.985 0.968 0.948 0.925 0.901 0.878 0.854 0.832 0.812 0.792 0.773 0.755 0.737 0.720 0.704 0.689 0.674 0.660 0.647 0.635 0.623 0.612
0.602 0.592 0.583 0.574 0.566 0.559 0.552 0.546 0.540 0.534 0.528 0.523 0.519 0.507 0.481 0.445 0.413 0.386 0.364 0.346 0.331 0.318 0.307 0.296
0.286
1.000 0.996 0.986 0.972 0.954 0.934 0.913 0.892 0.871 0.851 0.832 0.813 0.795 0.776 0.759 0.743 0.727 0.712 0.698 0.685 0.673 0.661 0.650 0.640
0.630 0.621 0.613 0.605 0.598 0.591 0.585 0.579 0.574 0.568 0.563 0.558 0.546 0.520 0.482 0.449 0.422 0.399 0.380 0.365 0.351 0.339 0.328 0.317
1.000 0.997 0.988 0.975 0.959 0.942 0.924 0.905 0.886 0.868 0.849 0.830 0.812 0.795 0.778 0.762 0.747 0.732 0.719 0.706 0.695 0.684 0.673 0.664
0.655 0.646 0.639 0.632 0.625 0.619 0.613 0.607 0.602 0.597 0.593 0.581 0.554 0.516 0.483 0.455 0.432 0.413 0.397 0.383 0.371 0.359 0.348
1.000 0.997 0.990 0.978 0.965 0.950 0.933 0.916 0.899 0.880 0.862 0.844 0.826 0.809 0.792 0.777 0.762 0.748 0.735 0.723 0.712 0.701 0.691 0.682
0.674 0.666 0.659 0.652 0.646 0.641 0.635 0.630 0.625 0.621 0.610 0.584 0.547 0.514 0.487 0.464 0.444 0.428 0.414 0.401 0.389 0.378
1.000 0.998 0.991 0.981 0.969 0.956 0.941 0.925 0.907 0.889 0.871 0.854 0.836 0.819 0.803 0.788 0.774 0.760 0.747 0.736 0.725 0.714 0.705 0.696
0.688 0.681 0.674 0.668 0.663 0.658 0.653 0.648 0.644 0.633 0.608 0.573 0.542 0.515 0.492 0.472 0.456 0.442 0.429 0.417 0.406
1.000 0.998 0.992 0.984 0.973 0.960 0.946 0.930 0.913 0.895 0.878 0.860 0.843 0.827 0.811 0.797 0.782 0.769 0.757 0.745 0.735 0.725 0.716 0.708
0.700 0.693 0.687 0.682 0.676 0.671 0.667 0.662 0.652 0.629 0.595 0.566 0.540 0.517 0.497 0.480 0.466 0.453 0.441 0.430
1.000 0.998 0.993 0.985 0.975 0.963 0.948 0.933 0.916 0.899 0.882 0.865 0.848 0.832 0.817 0.802 0.789 0.776 0.764 0.753 0.742 0.733 0.725 0.717
0.710 0.703 0.697 0.692 0.687 0.682 0.678 0.668 0.646 0.615 0.586 0.561 0.538 0.519 0.502 0.487 0.474 0.462 0.451
1.000 0.998 0.994 0.986 0.976 0.964 0.950 0.934 0.918 0.902 0.885 0.868 0.852 0.837 0.822 0.808 0.794 0.782 0.770 0.759 0.749 0.740 0.732 0.725
0.718 0.712 0.706 0.701 0.696 0.692 0.682 0.660 0.631 0.603 0.579 0.557 0.537 0.520 0.505 0.492 0.480 0.469
1.000 0.998 0.994 0.987 0.977 0.964 0.950 0.936 0.920 0.904 0.887 0.872 0.856 0.841 0.826 0.812 0.799 0.787 0.775 0.765 0.755 0.747 0.739 0.731
0.725 0.719 0.713 0.708 0.704 0.693 0.672 0.644 0.618 0.594 0.572 0.552 0.535 0.520 0.507 0.495 0.484
1.000 0.998 0.994 0.986 0.977 0.965 0.951 0.937 0.922 0.906 0.891 0.875 0.860 0.845 0.831 0.817 0.804 0.792 0.781 0.771 0.762 0.753 0.746 0.739
0.732 0.726 0.721 0.716 0.704 0.682 0.655 0.630 0.607 0.585 0.565 0.547 0.532 0.518 0.506 0.495
1.000 0.998 0.994 0.986 0.977 0.966 0.953 0.939 0.924 0.909 0.894 0.879 0.864 0.849 0.836 0.822 0.810 0.798 0.787 0.777 0.768 0.760 0.752 0.745
0.739 0.733 0.727 0.715 0.691 0.664 0.640 0.617 0.595 0.574 0.556 0.541 0.527 0.515 0.504
1.000 0.998 0.994 0.987 0.978 0.967 0.955 0.941 0.928 0.913 0.898 0.884 0.869 0.855 0.841 0.828 0.816 0.805 0.794 0.784 0.775 0.767 0.759 0.752
0.745 0.740 0.725 0.700 0.672 0.647 0.625 0.602 0.581 0.563 0.547 0.533 0.520 0.509
1.000 0.998 0.994 0.988 0.979 0.969 0.957 0.944 0.931 0.917 0.903 0.888 0.874 0.861 0.847 0.835 0.823 0.812 0.801 0.791 0.782 0.774 0.766 0.759

0.752 0.736 0.708 0.678 0.654 0.631 0.608 0.586 0.567 0.551 0.536 0.524 0.513
1.000 0.999 0.995 0.989 0.980 0.971 0.959 0.947 0.934 0.921 0.907 0.893 0.879 0.866 0.853 0.841 0.829 0.818 0.808 0.798 0.789 0.781 0.773 0.766
0.748 0.716 0.684 0.659 0.636 0.612 0.590 0.570 0.553 0.538 0.526 0.514
1.000 0.999 0.995 0.989 0.981 0.972 0.961 0.949 0.937 0.924 0.910 0.897 0.884 0.871 0.859 0.847 0.835 0.825 0.814 0.805 0.796 0.787 0.779 0.760
0.725 0.690 0.664 0.640 0.617 0.594 0.573 0.555 0.540 0.527 0.516
1.000 0.999 0.995 0.990 0.982 0.973 0.963 0.951 0.939 0.927 0.914 0.901 0.889 0.877 0.865 0.853 0.842 0.832 0.822 0.812 0.803 0.795 0.774 0.735
0.697 0.670 0.645 0.621 0.597 0.576 0.558 0.542 0.529 0.517
1.000 0.999 0.995 0.990 0.983 0.974 0.964 0.953 0.942 0.930 0.918 0.906 0.894 0.882 0.870 0.859 0.848 0.838 0.828 0.819 0.810 0.787 0.745 0.704
0.675 0.650 0.625 0.601 0.579 0.560 0.544 0.530 0.518
1.000 0.999 0.996 0.991 0.984 0.975 0.966 0.956 0.945 0.933 0.922 0.910 0.899 0.887 0.876 0.865 0.855 0.845 0.835 0.826 0.802 0.757 0.712 0.681
0.655 0.630 0.605 0.583 0.563 0.547 0.532 0.520
1.000 0.999 0.996 0.991 0.984 0.976 0.968 0.958 0.947 0.937 0.926 0.915 0.904 0.893 0.882 0.872 0.861 0.852 0.842 0.817 0.769 0.721 0.688 0.661
0.635 0.610 0.587 0.567 0.550 0.535 0.522
1.000 0.999 0.996 0.991 0.985 0.978 0.969 0.960 0.950 0.940 0.930 0.919 0.909 0.899 0.888 0.878 0.868 0.859 0.833 0.782 0.731 0.696 0.668 0.642
0.616 0.592 0.572 0.554 0.539 0.526
1.000 0.999 0.996 0.992 0.986 0.979 0.971 0.963 0.953 0.944 0.934 0.924 0.914 0.904 0.894 0.884 0.875 0.849 0.796 0.741 0.705 0.676 0.649 0.622
0.598 0.577 0.559 0.544 0.530
1.000 0.999 0.996 0.992 0.987 0.980 0.973 0.965 0.956 0.947 0.938 0.929 0.919 0.909 0.900 0.890 0.864 0.809 0.752 0.713 0.684 0.656 0.629 0.605
0.584 0.565 0.549 0.535
1.000 0.999 0.997 0.993 0.988 0.982 0.975 0.967 0.959 0.951 0.942 0.933 0.924 0.914 0.905 0.879 0.823 0.763 0.723 0.693 0.665 0.638 0.613 0.591
0.572 0.556 0.542
1.000 0.999 0.997 0.993 0.989 0.983 0.977 0.969 0.962 0.954 0.945 0.937 0.928 0.919 0.893 0.837 0.775 0.733 0.702 0.674 0.646 0.622 0.600 0.580
0.564 0.549
1.000 0.999 0.997 0.994 0.989 0.984 0.978 0.971 0.964 0.956 0.948 0.940 0.931 0.907 0.850 0.787 0.744 0.712 0.684 0.656 0.631 0.609 0.590 0.573
0.558
1.000 0.999 0.997 0.994 0.990 0.985 0.979 0.973 0.966 0.958 0.951 0.943 0.919 0.863 0.799 0.755 0.723 0.694 0.667 0.642 0.619 0.600 0.582 0.567
1.000 0.999 0.997 0.995 0.991 0.986 0.980 0.974 0.968 0.961 0.953 0.931 0.876 0.811 0.767 0.734 0.705 0.678 0.653 0.631 0.611 0.593 0.578
1.000 0.999 0.998 0.995 0.991 0.987 0.982 0.976 0.970 0.963 0.942 0.889 0.824 0.779 0.746 0.717 0.690 0.665 0.643 0.623 0.605 0.589
1.000 0.999 0.998 0.995 0.992 0.987 0.983 0.977 0.971 0.952 0.901 0.836 0.791 0.758 0.729 0.702 0.678 0.655 0.635 0.617 0.602
1.000 0.999 0.998 0.995 0.992 0.988 0.983 0.978 0.960 0.912 0.849 0.803 0.770 0.742 0.715 0.691 0.669 0.648 0.630 0.614
1.000 0.999 0.998 0.996 0.993 0.989 0.984 0.968 0.923 0.861 0.816 0.783 0.755 0.728 0.704 0.682 0.662 0.644 0.628
1.000 1.000 0.998 0.996 0.993 0.989 0.975 0.933 0.873 0.828 0.796 0.768 0.742 0.718 0.696 0.676 0.658 0.642
1.000 1.000 0.998 0.996 0.993 0.982 0.942 0.884 0.841 0.809 0.781 0.756 0.732 0.711 0.691 0.673 0.656
1.000 1.000 0.998 0.996 0.987 0.951 0.896 0.853 0.821 0.794 0.769 0.746 0.725 0.705 0.687 0.671
1.000 1.000 0.998 0.991 0.959 0.906 0.865 0.834 0.807 0.783 0.760 0.739 0.720 0.702 0.685
1.000 1.000 0.994 0.966 0.917 0.876 0.846 0.820 0.796 0.774 0.753 0.734 0.716 0.700
1.000 0.997 0.973 0.926 0.887 0.858 0.832 0.809 0.787 0.767 0.748 0.730 0.714
1.000 0.988 0.951 0.916 0.890 0.866 0.845 0.824 0.805 0.787 0.770 0.755
1.000 0.987 0.965 0.945 0.927 0.910 0.893 0.877 0.862 0.847 0.833
1.000 0.994 0.984 0.973 0.961 0.950 0.938 0.926 0.914 0.903
1.000 0.997 0.992 0.984 0.976 0.967 0.958 0.949 0.940
1.000 0.998 0.994 0.989 0.982 0.975 0.968 0.960
1.000 0.999 0.996 0.991 0.986 0.980 0.974

1.000	0.999	0.996	0.993	0.988	0.983
1.000	0.999	0.997	0.994	0.990	
1.000	0.999	0.998	0.995		
1.000	0.999	0.998			
1.000	1.000				
1.000					