

LXF001 红外热电堆传感器

产品规格书

LXF001 是一款基于 MEMS 技术的红外热电堆传感器，可以在一定距离外通过检测物体表面的红外能量来测量温度。传感器含有热电堆 MEMS 芯片、红外滤光片、热敏电阻等器件。经 TO46 金属封装而成，具有高可靠、高灵敏度等特性。



图 热电堆

特点:

- ◆非接触表面温度测量
- ◆TO46 封装
- ◆灵明度高
- ◆采用 NTC 热敏电阻作为温度补偿
- ◆快速的响应时间
- ◆集成 5-14 μm 的长波滤光片

用途:

- ◆非接触式人体红外测温计
- ◆自动感应设备
- ◆空气调节系统
- ◆工业连续温度控制

● 参数指标

参数	最小	典型	最大	单位	测试条件
尺寸 Chip Size	1.55×1.55			mm ²	
灵敏度区域 Sensitive area	0.7×0.7			mm ²	
探测角度 Detection angle	90			°	at 50% points
热电堆电阻 Thermopile resistance	65	75	90	K Ω	Temp=25°C
噪声电压 Noise voltage	37			nV/Hz ^{1/2}	Temp=25°C
噪声等效功率 NEP	1.2			nW/Hz ^{1/2}	Blackbody=500K,1HZ@25°C
响应度 Responsivity	27	31	35	V/W	Blackbody=500K,1HZ@25°C
电阻温度系数 Temp. coefficient of resistance	0.06			%/°C	Temp=25°C~75°C
时间常数 Time constant	≤18			ms	
探测率 Specific detectivity	0.6E8			cmHz ^{1/2} /W	Blackbody=500K,1HZ@25°C
NTC 阻值 Resistance	100±3%			K Ω	25°C
NTC β	3950±1%			K	25/50°C
储存温度	-40°C~+100°C				
工作温度	-40°C~+100°C				

● 输出特性

测试条件：25℃环境温度，所测物体温度与热电堆典型输出电压对应关系。

*注：此参数是在 TO46 封装加 LWP5.0 滤光片条件下测试。

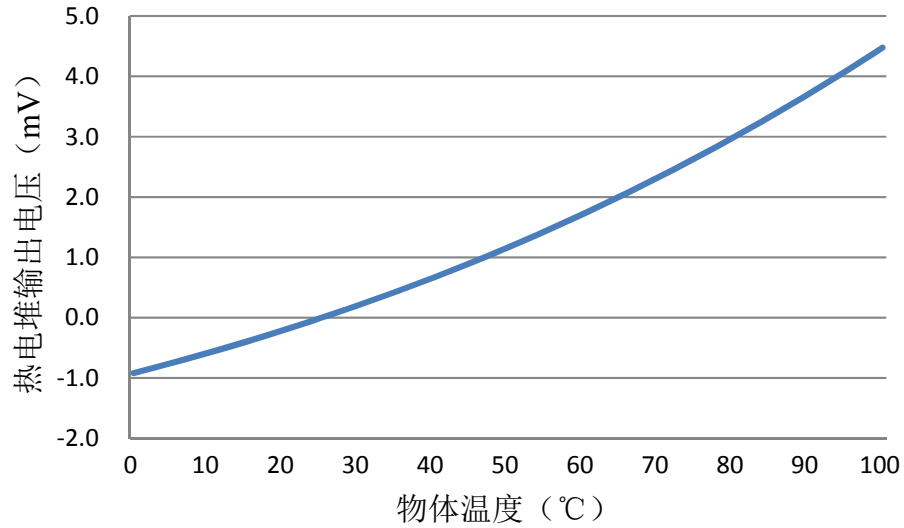


图 2 灵敏度输出曲线

● 封装尺寸图

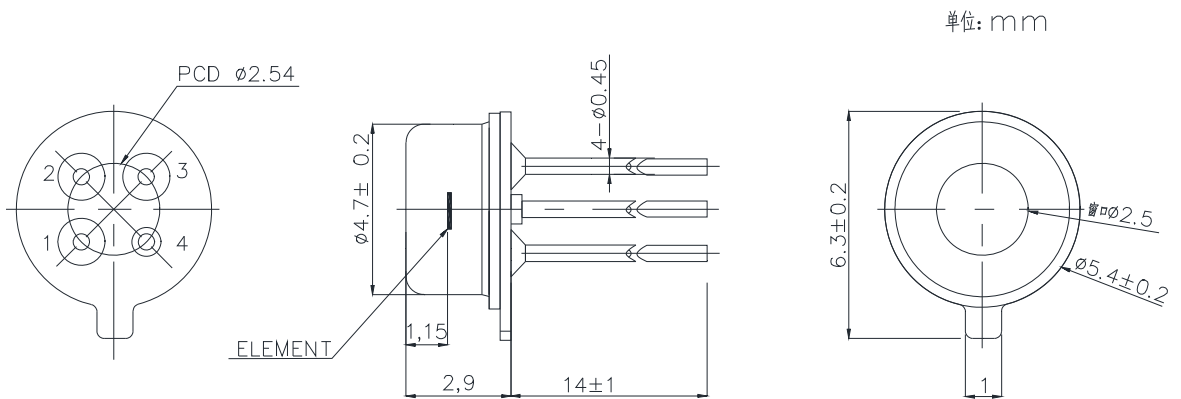


表 2 引脚命名及描述

引脚编号	引脚命名	引脚描述
1	热电堆正极 (+)	热电堆输出电压正极
2	NTC 正极	环境温度补偿电阻 NTC 正极
3	热电堆负极 (-)	热电堆输出电压负极
4	NTC 接地脚	环境温度补偿电阻 NTC 负极且接地

R-T 表

Part No.: DT104G3950A-A-B-M				$R_{25}=100K\Omega\pm 3\%$				$B_{25/50}=3950K\pm 1\%$			
Temperature (°C)	R _{min} (KΩ)	R _{nor} (KΩ)	R _{max} (KΩ)	Temperature (°C)	R _{min} (KΩ)	R _{nor} (KΩ)	R _{max} (KΩ)	Temperature (°C)	R _{min} (KΩ)	R _{nor} (KΩ)	R _{max} (KΩ)
-40	3134	3266	3401	3	273.2	280.5	287.9	45	42.49	43.57	44.66
-39	2938	3060	3186	4	260.0	266.8	273.8	44	44.20	45.32	46.45
-38	2755	2869	2986	5	247.5	253.9	260.4	43	46.00	47.15	48.32
-37	2585	2691	2799	6	235.6	241.7	247.8	42	47.89	49.07	50.27
-36	2427	2525	2626	7	224.4	230.1	235.9	41	49.86	51.08	52.31
-35	2279	2370	2464	8	213.8	219.2	224.6	40	51.92	53.18	54.45
-34	2141	2226	2313	9	203.8	208.8	214.0	39	54.08	55.38	56.68
-33	2012	2091	2172	10	194.2	199.0	203.8	38	56.34	57.68	59.03
-32	1892	1966	2041	11	185.2	189.7	194.3	37	58.71	60.09	61.48
-31	1780	1848	1918	12	176.7	180.9	185.2	36	61.19	62.61	64.04
-30	1675	1739	1804	13	168.6	172.6	176.6	35	63.79	65.26	66.73
-29	1577	1636	1697	14	160.9	164.7	168.4	34	66.52	68.03	69.55
-28	1485	1540	1597	15	153.6	157.1	160.7	33	69.38	70.94	72.51
-27	1399	1451	1504	16	146.7	150.0	153.4	32	72.38	73.99	75.60
-26	1319	1367	1416	17	140.1	143.3	146.4	31	75.53	77.19	78.85
-25	1243	1288	1334	18	133.8	136.8	139.8	30	78.83	80.54	82.26
-24	1173	1215	1258	19	127.9	130.7	133.6	29	82.30	84.06	85.83
-23	1107	1146	1186	20	122.3	124.9	127.6	28	85.94	87.76	89.58
-22	1044	1081	1119	21	116.9	119.4	122.0	27	89.76	91.64	93.52
-21	986.3	1021	1056	22	111.8	114.2	116.6	26	93.78	95.72	97.66
-20	931.6	963.7	996	23	107.0	109.2	111.5	25	98.00	100.0	102.0
-19	879.9	909.8	940.4	24	102.4	104.5	106.6	24	102.4	104.5	106.6
-18	831.4	859.3	887.9	25	98.00	100.0	102.0	23	107.0	109.2	111.5
-17	785.8	811.9	838.7	26	93.78	95.72	97.66	22	111.8	114.2	116.6
-16	743.0	767.4	792.4	27	89.76	91.64	93.52	21	116.9	119.4	122.0
-15	702.7	725.7	749.0	28	85.94	87.76	89.58	20	122.3	124.9	127.6
-14	664.9	686.4	708.3	29	82.30	84.06	85.83	19	127.9	130.7	133.6
-13	629.4	649.5	669.9	30	78.83	80.54	82.26	18	133.8	136.8	139.8
-12	595.9	614.8	633.9	31	75.53	77.19	78.85	17	140.1	143.3	146.4
-11	564.5	582.1	600.1	32	72.38	73.99	75.60	16	146.7	150.0	153.4
-10	534.9	551.4	568.2	33	69.38	70.94	72.51	15	153.6	157.1	160.7
-9	507.0	522.5	538.2	34	66.52	68.03	69.55	14	160.9	164.7	168.4
-8	480.7	495.2	510.0	35	63.79	65.26	66.73	13	168.6	172.6	176.6
-7	455.9	469.6	483.4	36	61.19	62.61	64.04	12	176.7	180.9	185.2
-6	432.6	445.4	458.4	37	58.71	60.09	61.48	11	185.2	189.7	194.3
-5	410.6	422.6	434.8	38	56.34	57.68	59.03	10	194.2	199.0	203.8
-4	389.8	401.1	412.5	39	54.08	55.38	56.68	9	203.8	208.8	214.0
-3	370.2	380.8	391.5	40	51.92	53.18	54.45	8	213.8	219.2	224.6
-2	351.7	361.6	371.7	41	49.86	51.08	52.31	7	224.4	230.1	235.9
-1	334.2	343.6	353.0	42	47.89	49.07	50.27	6	235.6	241.7	247.8
0	317.7	326.5	335.4	43	46.00	47.15	48.32	5	247.5	253.9	260.4
1	302.0	310.3	318.6	44	44.20	45.32	46.45	4	260.0	266.8	273.8
2	287.2	295.0	302.8	45	42.49	43.57	44.66	3	273.2	280.5	287.9

Part No.: DT104G3950A-A-B-M

 $R_{25}=100K\Omega\pm 3\%$ $B_{25/50}=3950K\pm 1\%$

Temperature (°C)	R _{min} (KΩ)	R _{nor} (KΩ)	R _{max} (KΩ)	Temperature (°C)	R _{min} (KΩ)	R _{nor} (KΩ)	R _{max} (KΩ)
46	40.84	41.89	42.95	86	9.887	10.23	10.58
47	39.27	40.29	41.32	87	9.576	9.908	10.25
48	37.77	38.76	39.76	88	9.276	9.600	9.93
49	36.33	37.29	38.26	89	8.987	9.302	9.625
50	34.95	35.88	36.83	90	8.709	9.016	9.330
51	33.63	34.54	35.46	91	8.440	8.739	9.045
52	32.38	33.26	34.15	92	8.181	8.472	8.771
53	31.17	32.03	32.89	93	7.931	8.215	8.506
54	30.02	30.85	31.69	94	7.689	7.966	8.250
55	28.91	29.72	30.53	95	7.456	7.726	8.003
56	27.85	28.63	29.43	96	7.231	7.494	7.764
57	26.84	27.60	28.37	97	7.014	7.271	7.534
58	25.86	26.60	27.35	98	6.804	7.055	7.311
59	24.93	25.65	26.38	99	6.602	6.846	7.096
60	24.04	24.73	25.44	100	6.406	6.644	6.888
61	23.18	23.86	24.54	101	6.217	6.449	6.687
62	22.35	23.01	23.68	102	6.035	6.261	6.493
63	21.56	22.20	22.85	103	5.858	6.079	6.306
64	20.81	21.43	22.06	104	5.688	5.903	6.124
65	20.08	20.68	21.30	105	5.523	5.733	5.949
66	19.38	19.97	20.56	106	5.363	5.569	5.779
67	18.71	19.28	19.86	107	5.209	5.409	5.615
68	18.06	18.62	19.18	108	5.060	5.256	5.456
69	17.44	17.98	18.53	109	4.916	5.107	5.303
70	16.85	17.37	17.91	110	4.777	4.963	5.154
71	16.27	16.79	17.31	111	4.642	4.824	5.010
72	15.72	16.22	16.73	112	4.511	4.689	4.871
73	15.20	15.68	16.17	113	4.385	4.558	4.736
74	14.69	15.16	15.64	114	4.263	4.432	4.606
75	14.20	14.66	15.12	115	4.144	4.310	4.479
76	13.73	14.17	14.63	116	4.030	4.191	4.357
77	13.27	13.71	14.15	117	3.919	4.076	4.239
78	12.84	13.26	13.69	118	3.811	3.965	4.124
79	12.42	12.83	13.25	119	3.707	3.858	4.012
80	12.01	12.41	12.82	120	3.607	3.753	3.905
81	11.63	12.01	12.41	121	3.509	3.652	3.800
82	11.25	11.63	12.02	122	3.414	3.555	3.699
83	10.89	11.26	11.64	123	3.323	3.460	3.601
84	10.54	10.90	11.27	124	3.234	3.368	3.506
85	10.21	10.56	10.92	125	3.148	3.279	3.413

● 注意事项

1 设计限制

该传感器设计用于室内使用，当用于室外应用时，请务必使用合适的补充光学滤光片和防潮结构。为避免因操作故障或失灵引起的二次故障，可预先添加防故障功能。

2 使用限制

为防止传感器故障、运行故障或任何其它故障，请勿在以下或类似条件下使用此传感器：

- A.环境温度变化剧烈。
- B.强烈震动或振动。
- C.在通过有阻隔材料（玻璃、雾等）的地方时，红外线无法通过检测区域。
- D.在液体、腐蚀性气体、和海水中。
- E.在高湿度大气环境中连续使用。
- F.静态电场或强电磁波辐射。
- G.腐蚀性气体或海风。
- H.可能污染光学窗口的肮脏和多尘的环境。

3 焊接限制

A.焊接时使用烙铁焊接。焊接温度在 260℃ 下，时间 10 秒内，避免长时间保持传感器引脚过热。

B.在焊接后必须清洗掉所有焊剂，使用刷子冲洗，使用超声波清洗可能会导致性能故障。

4 产品使用限制

在任何适用的法律或规定下使用和销售。因错误使用导致传感器故障，不适当处理或存储不是制造商的责任。

V-T_20200504

V_FIT_mV		T_AMB_°C						
		0	1	2	3	4	5	6
T_OBJ_°C	0.0	0	-0.0320	-0.0643	-0.0971	-0.1301	-0.1636	-0.1973
	1.0	0.0320	0	-0.0324	-0.0651	-0.0981	-0.1316	-0.1653
	2.0	0.0643	0.0324	0	-0.0327	-0.0658	-0.0992	-0.1330
	3.0	0.0971	0.0651	0.0327	0	-0.0331	-0.0665	-0.1003
	4.0	0.1301	0.0981	0.0658	0.0331	0	-0.0334	-0.0672
	5.0	0.1636	0.1316	0.0992	0.0665	0.0334	0	-0.0338
	6.0	0.1973	0.1653	0.1330	0.1003	0.0672	0.0338	0
	7.0	0.2315	0.1995	0.1671	0.1344	0.1014	0.0679	0.0342
	8.0	0.2660	0.2340	0.2017	0.1689	0.1359	0.1025	0.0687
	9.0	0.3009	0.2689	0.2365	0.2038	0.1708	0.1373	0.1036
	10.0	0.3362	0.3042	0.2718	0.2391	0.2060	0.1726	0.1388
	11.0	0.3718	0.3398	0.3075	0.2747	0.2417	0.2083	0.1745
	12.0	0.4078	0.3758	0.3435	0.3108	0.2777	0.2443	0.2105
	13.0	0.4442	0.4122	0.3799	0.3472	0.3141	0.2807	0.2469
	14.0	0.4810	0.4490	0.4167	0.3839	0.3509	0.3175	0.2837
	15.0	0.5182	0.4862	0.4538	0.4211	0.3880	0.3546	0.3208
	16.0	0.5557	0.5237	0.4914	0.4587	0.4256	0.3922	0.3584
	17.0	0.5937	0.5617	0.5293	0.4966	0.4636	0.4301	0.3963
	18.0	0.6320	0.6000	0.5677	0.5350	0.5019	0.4685	0.4347
	19.0	0.6708	0.6388	0.6064	0.5737	0.5406	0.5072	0.4734
	20.0	0.7099	0.6779	0.6456	0.6128	0.5798	0.5464	0.5126
	21.0	0.7495	0.7175	0.6851	0.6524	0.6193	0.5859	0.5521
	22.0	0.7894	0.7574	0.7251	0.6923	0.6593	0.6259	0.5921
	23.0	0.8298	0.7978	0.7654	0.7327	0.6996	0.6662	0.6324
	24.0	0.8705	0.8385	0.8062	0.7735	0.7404	0.7070	0.6732
	25.0	0.9178	0.8858	0.8535	0.8207	0.7877	0.7543	0.7205
	26.0	0.9533	0.9213	0.8890	0.8563	0.8232	0.7898	0.7560
	27.0	0.9953	0.9633	0.9310	0.8983	0.8652	0.8318	0.7980
	28.0	1.0378	1.0058	0.9734	0.9407	0.9077	0.8742	0.8404
	29.0	1.0806	1.0486	1.0163	0.9836	0.9505	0.9171	0.8833
	30.0	1.1239	1.0919	1.0596	1.0269	0.9938	0.9604	0.9266
	30.1	1.1283	1.0963	1.0639	1.0312	0.9982	0.9647	0.9310
	30.2	1.1327	1.1007	1.0683	1.0356	1.0025	0.9691	0.9353
30.3	1.1370	1.1050	1.0727	1.0400	1.0069	0.9735	0.9397	
30.4	1.1414	1.1094	1.0770	1.0443	1.0113	0.9778	0.9440	
30.5	1.1458	1.1138	1.0814	1.0487	1.0156	0.9822	0.9484	
30.6	1.1501	1.1181	1.0858	1.0531	1.0200	0.9866	0.9528	
30.7	1.1545	1.1225	1.0902	1.0574	1.0244	0.9910	0.9572	
30.8	1.1589	1.1269	1.0945	1.0618	1.0288	0.9953	0.9616	
30.9	1.1633	1.1313	1.0989	1.0662	1.0332	0.9997	0.9659	
31.0	1.1677	1.1357	1.1033	1.0706	1.0375	1.0041	0.9703	
31.1	1.1721	1.1401	1.1077	1.0750	1.0419	1.0085	0.9747	
31.2	1.1765	1.1445	1.1121	1.0794	1.0463	1.0129	0.9791	
31.3	1.1809	1.1489	1.1165	1.0838	1.0507	1.0173	0.9835	
31.4	1.1853	1.1533	1.1209	1.0882	1.0552	1.0217	0.9879	
31.5	1.1897	1.1577	1.1253	1.0926	1.0596	1.0261	0.9924	
31.6	1.1941	1.1621	1.1298	1.0971	1.0640	1.0306	0.9968	

31.7	1.1985	1.1665	1.1342	1.1015	1.0684	1.0350	1.0012
31.8	1.2030	1.1710	1.1386	1.1059	1.0728	1.0394	1.0056
31.9	1.2074	1.1754	1.1430	1.1103	1.0773	1.0438	1.0101
32.0	1.2118	1.1798	1.1475	1.1148	1.0817	1.0483	1.0145
32.1	1.2163	1.1843	1.1519	1.1192	1.0861	1.0527	1.0189
32.2	1.2207	1.1887	1.1564	1.1237	1.0906	1.0572	1.0234
32.3	1.2252	1.1932	1.1608	1.1281	1.0950	1.0616	1.0278
32.4	1.2296	1.1976	1.1653	1.1326	1.0995	1.0661	1.0323
32.5	1.2341	1.2021	1.1697	1.1370	1.1040	1.0705	1.0367
32.6	1.2385	1.2065	1.1742	1.1415	1.1084	1.0750	1.0412
32.7	1.2430	1.2110	1.1786	1.1459	1.1129	1.0794	1.0457
32.8	1.2475	1.2155	1.1831	1.1504	1.1173	1.0839	1.0501
32.9	1.2519	1.2199	1.1876	1.1549	1.1218	1.0884	1.0546
33.0	1.2564	1.2244	1.1921	1.1594	1.1263	1.0929	1.0591
33.1	1.2609	1.2289	1.1966	1.1638	1.1308	1.0974	1.0636
33.2	1.2654	1.2334	1.2010	1.1683	1.1353	1.1018	1.0681
33.3	1.2699	1.2379	1.2055	1.1728	1.1398	1.1063	1.0726
33.4	1.2744	1.2424	1.2100	1.1773	1.1443	1.1108	1.0771
33.5	1.2789	1.2469	1.2145	1.1818	1.1488	1.1153	1.0816
33.6	1.2834	1.2514	1.2190	1.1863	1.1533	1.1198	1.0861
33.7	1.2879	1.2559	1.2236	1.1908	1.1578	1.1244	1.0906
33.8	1.2924	1.2604	1.2281	1.1954	1.1623	1.1289	1.0951
33.9	1.2969	1.2649	1.2326	1.1999	1.1668	1.1334	1.0996
34.0	1.3015	1.2695	1.2371	1.2044	1.1713	1.1379	1.1041
34.1	1.3060	1.2740	1.2416	1.2089	1.1759	1.1424	1.1087
34.2	1.3105	1.2785	1.2462	1.2135	1.1804	1.1470	1.1132
34.3	1.3151	1.2831	1.2507	1.2180	1.1849	1.1515	1.1177
34.4	1.3196	1.2876	1.2552	1.2225	1.1895	1.1560	1.1223
34.5	1.3241	1.2921	1.2598	1.2271	1.1940	1.1606	1.1268
34.6	1.3287	1.2967	1.2643	1.2316	1.1986	1.1651	1.1314
34.7	1.3332	1.3012	1.2689	1.2362	1.2031	1.1697	1.1359
34.8	1.3378	1.3058	1.2735	1.2407	1.2077	1.1743	1.1405
34.9	1.3424	1.3104	1.2780	1.2453	1.2122	1.1788	1.1450
35.0	1.3469	1.3149	1.2826	1.2499	1.2168	1.1834	1.1496
35.1	1.3515	1.3195	1.2872	1.2545	1.2214	1.1880	1.1542
35.2	1.3561	1.3241	1.2917	1.2590	1.2260	1.1925	1.1588
35.3	1.3607	1.3287	1.2963	1.2636	1.2305	1.1971	1.1633
35.4	1.3653	1.3333	1.3009	1.2682	1.2351	1.2017	1.1679
35.5	1.3698	1.3378	1.3055	1.2728	1.2397	1.2063	1.1725
35.6	1.3744	1.3424	1.3101	1.2774	1.2443	1.2109	1.1771
35.7	1.3790	1.3470	1.3147	1.2820	1.2489	1.2155	1.1817
35.8	1.3836	1.3516	1.3193	1.2866	1.2535	1.2201	1.1863
35.9	1.3882	1.3562	1.3239	1.2912	1.2581	1.2247	1.1909
36.0	1.3929	1.3609	1.3285	1.2958	1.2627	1.2293	1.1955
36.1	1.3975	1.3655	1.3331	1.3004	1.2674	1.2339	1.2001
36.2	1.4021	1.3701	1.3377	1.3050	1.2720	1.2385	1.2048
36.3	1.4067	1.3747	1.3424	1.3097	1.2766	1.2432	1.2094
36.4	1.4114	1.3794	1.3470	1.3143	1.2812	1.2478	1.2140
36.5	1.4160	1.3840	1.3516	1.3189	1.2859	1.2524	1.2187
36.6	1.4206	1.3886	1.3563	1.3236	1.2905	1.2571	1.2233

36.7	1.4253	1.3933	1.3609	1.3282	1.2952	1.2617	1.2279
36.8	1.4299	1.3979	1.3656	1.3329	1.2998	1.2664	1.2326
36.9	1.4346	1.4026	1.3702	1.3375	1.3045	1.2710	1.2372
37.0	1.4392	1.4072	1.3749	1.3422	1.3091	1.2757	1.2419
37.1	1.4439	1.4119	1.3795	1.3468	1.3138	1.2803	1.2466
37.2	1.4486	1.4166	1.3842	1.3515	1.3184	1.2850	1.2512
37.3	1.4532	1.4212	1.3889	1.3562	1.3231	1.2897	1.2559
37.4	1.4579	1.4259	1.3936	1.3608	1.3278	1.2944	1.2606
37.5	1.4626	1.4306	1.3982	1.3655	1.3325	1.2990	1.2653
37.6	1.4673	1.4353	1.4029	1.3702	1.3372	1.3037	1.2699
37.7	1.4720	1.4400	1.4076	1.3749	1.3418	1.3084	1.2746
37.8	1.4767	1.4447	1.4123	1.3796	1.3465	1.3131	1.2793
37.9	1.4814	1.4494	1.4170	1.3843	1.3512	1.3178	1.2840
38.0	1.4861	1.4541	1.4217	1.3890	1.3559	1.3225	1.2887
38.1	1.4908	1.4588	1.4264	1.3937	1.3606	1.3272	1.2934
38.2	1.4955	1.4635	1.4311	1.3984	1.3654	1.3319	1.2981
38.3	1.5002	1.4682	1.4358	1.4031	1.3701	1.3366	1.3029
38.4	1.5049	1.4729	1.4406	1.4079	1.3748	1.3414	1.3076
38.5	1.5096	1.4776	1.4453	1.4126	1.3795	1.3461	1.3123
38.6	1.5144	1.4824	1.4500	1.4173	1.3842	1.3508	1.3170
38.7	1.5191	1.4871	1.4547	1.4220	1.3890	1.3555	1.3218
38.8	1.5238	1.4918	1.4595	1.4268	1.3937	1.3603	1.3265
38.9	1.5286	1.4966	1.4642	1.4315	1.3985	1.3650	1.3313
39.0	1.5333	1.5013	1.4690	1.4363	1.4032	1.3698	1.3360
39.1	1.5381	1.5061	1.4737	1.4410	1.4080	1.3745	1.3408
39.2	1.5428	1.5108	1.4785	1.4458	1.4127	1.3793	1.3455
39.3	1.5476	1.5156	1.4833	1.4505	1.4175	1.3841	1.3503
39.4	1.5524	1.5204	1.4880	1.4553	1.4222	1.3888	1.3550
39.5	1.5571	1.5251	1.4928	1.4601	1.4270	1.3936	1.3598
39.6	1.5619	1.5299	1.4976	1.4649	1.4318	1.3984	1.3646
39.7	1.5667	1.5347	1.5023	1.4696	1.4366	1.4031	1.3694
39.8	1.5715	1.5395	1.5071	1.4744	1.4414	1.4079	1.3741
39.9	1.5763	1.5443	1.5119	1.4792	1.4461	1.4127	1.3789
40.0	1.5811	1.5491	1.5167	1.4840	1.4509	1.4175	1.3837
40.1	1.5859	1.5539	1.5215	1.4888	1.4557	1.4223	1.3885
40.2	1.5907	1.5587	1.5263	1.4936	1.4605	1.4271	1.3933
40.3	1.5955	1.5635	1.5311	1.4984	1.4654	1.4319	1.3981
40.4	1.6003	1.5683	1.5359	1.5032	1.4702	1.4367	1.4030
40.5	1.6051	1.5731	1.5408	1.5080	1.4750	1.4416	1.4078
40.6	1.6099	1.5779	1.5456	1.5129	1.4798	1.4464	1.4126
40.7	1.6147	1.5827	1.5504	1.5177	1.4846	1.4512	1.4174
40.8	1.6196	1.5876	1.5552	1.5225	1.4895	1.4560	1.4223
40.9	1.6244	1.5924	1.5601	1.5274	1.4943	1.4609	1.4271
41.0	1.6293	1.5973	1.5649	1.5322	1.4991	1.4657	1.4319
41.1	1.6341	1.6021	1.5698	1.5370	1.5040	1.4706	1.4368
41.2	1.6389	1.6069	1.5746	1.5419	1.5088	1.4754	1.4416
41.3	1.6438	1.6118	1.5795	1.5467	1.5137	1.4803	1.4465
41.4	1.6487	1.6167	1.5843	1.5516	1.5185	1.4851	1.4513
41.5	1.6535	1.6215	1.5892	1.5565	1.5234	1.4900	1.4562
41.6	1.6584	1.6264	1.5940	1.5613	1.5283	1.4948	1.4611

41.7	1.6633	1.6313	1.5989	1.5662	1.5331	1.4997	1.4659
41.8	1.6681	1.6361	1.6038	1.5711	1.5380	1.5046	1.4708
41.9	1.6730	1.6410	1.6087	1.5760	1.5429	1.5095	1.4757
42.0	1.6779	1.6459	1.6136	1.5809	1.5478	1.5144	1.4806
42.1	1.6828	1.6508	1.6185	1.5857	1.5527	1.5193	1.4855
42.2	1.6877	1.6557	1.6233	1.5906	1.5576	1.5241	1.4904
42.3	1.6926	1.6606	1.6282	1.5955	1.5625	1.5290	1.4953
42.4	1.6975	1.6655	1.6332	1.6004	1.5674	1.5340	1.5002
42.5	1.7024	1.6704	1.6381	1.6054	1.5723	1.5389	1.5051
42.6	1.7073	1.6753	1.6430	1.6103	1.5772	1.5438	1.5100
42.7	1.7122	1.6802	1.6479	1.6152	1.5821	1.5487	1.5149
42.8	1.7172	1.6852	1.6528	1.6201	1.5871	1.5536	1.5198
42.9	1.7221	1.6901	1.6577	1.6250	1.5920	1.5585	1.5248
43.0	1.7270	1.6950	1.6627	1.6300	1.5969	1.5635	1.5297
43.1	1.7320	1.7000	1.6676	1.6349	1.6018	1.5684	1.5346
43.2	1.7369	1.7049	1.6726	1.6399	1.6068	1.5734	1.5396
43.3	1.7419	1.7099	1.6775	1.6448	1.6117	1.5783	1.5445
43.4	1.7468	1.7148	1.6825	1.6498	1.6167	1.5833	1.5495
43.5	1.7518	1.7198	1.6874	1.6547	1.6216	1.5882	1.5544
43.6	1.7567	1.7247	1.6924	1.6597	1.6266	1.5932	1.5594
43.7	1.7617	1.7297	1.6973	1.6646	1.6316	1.5981	1.5644
43.8	1.7667	1.7347	1.7023	1.6696	1.6365	1.6031	1.5693
43.9	1.7716	1.7396	1.7073	1.6746	1.6415	1.6081	1.5743
44.0	1.7766	1.7446	1.7123	1.6796	1.6465	1.6131	1.5793
44.1	1.7816	1.7496	1.7173	1.6845	1.6515	1.6181	1.5843
44.2	1.7866	1.7546	1.7222	1.6895	1.6565	1.6230	1.5893
44.3	1.7916	1.7596	1.7272	1.6945	1.6615	1.6280	1.5943
44.4	1.7966	1.7646	1.7322	1.6995	1.6665	1.6330	1.5993
44.5	1.8016	1.7696	1.7372	1.7045	1.6715	1.6380	1.6043
44.6	1.8066	1.7746	1.7423	1.7095	1.6765	1.6431	1.6093
44.7	1.8116	1.7796	1.7473	1.7146	1.6815	1.6481	1.6143
44.8	1.8166	1.7846	1.7523	1.7196	1.6865	1.6531	1.6193
44.9	1.8217	1.7897	1.7573	1.7246	1.6915	1.6581	1.6243
45.0	1.8267	1.7947	1.7623	1.7296	1.6966	1.6631	1.6294
46.0	1.8772	1.8452	1.8129	1.7802	1.7471	1.7137	1.6799
47.0	1.9282	1.8962	1.8639	1.8312	1.7981	1.7647	1.7309
48.0	1.9797	1.9477	1.9154	1.8827	1.8496	1.8162	1.7824
49.0	2.0317	1.9997	1.9673	1.9346	1.9016	1.8681	1.8344
50.0	2.0842	2.0522	2.0198	1.9871	1.9540	1.9206	1.8868
51.0	2.1371	2.1051	2.0728	2.0401	2.0070	1.9736	1.9398
52.0	2.1906	2.1586	2.1262	2.0935	2.0604	2.0270	1.9932
53.0	2.2445	2.2125	2.1802	2.1474	2.1144	2.0810	2.0472
54.0	2.2989	2.2669	2.2346	2.2019	2.1688	2.1354	2.1016
55.0	2.3539	2.3219	2.2895	2.2568	2.2238	2.1903	2.1566
56.0	2.4093	2.3773	2.3450	2.3123	2.2792	2.2458	2.2120
57.0	2.4653	2.4333	2.4009	2.3682	2.3352	2.3017	2.2680
58.0	2.5217	2.4897	2.4574	2.4247	2.3916	2.3582	2.3244
59.0	2.5787	2.5467	2.5144	2.4817	2.4486	2.4152	2.3814
60.0	2.6362	2.6042	2.5719	2.5392	2.5061	2.4727	2.4389
61.0	2.6942	2.6622	2.6299	2.5972	2.5641	2.5307	2.4969

62.0	2.7528	2.7208	2.6884	2.6557	2.6227	2.5892	2.5555
63.0	2.8118	2.7798	2.7475	2.7148	2.6817	2.6483	2.6145
64.0	2.8714	2.8394	2.8071	2.7744	2.7413	2.7079	2.6741
65.0	2.9316	2.8996	2.8672	2.8345	2.8015	2.7680	2.7342
66.0	2.9922	2.9602	2.9279	2.8952	2.8621	2.8287	2.7949
67.0	3.0534	3.0214	2.9891	2.9564	2.9233	2.8899	2.8561
68.0	3.1152	3.0832	3.0508	3.0181	2.9851	2.9516	2.9179
69.0	3.1775	3.1455	3.1131	3.0804	3.0474	3.0139	2.9802
70.0	3.2403	3.2083	3.1760	3.1433	3.1102	3.0768	3.0430
71.0	3.3037	3.2717	3.2394	3.2067	3.1736	3.1402	3.1064
72.0	3.3677	3.3357	3.3033	3.2706	3.2376	3.2041	3.1703
73.0	3.4322	3.4002	3.3678	3.3351	3.3021	3.2686	3.2348
74.0	3.4972	3.4652	3.4329	3.4002	3.3671	3.3337	3.2999
75.0	3.5629	3.5309	3.4985	3.4658	3.4328	3.3993	3.3656
76.0	3.6291	3.5971	3.5647	3.5320	3.4990	3.4655	3.4318
77.0	3.6959	3.6639	3.6315	3.5988	3.5657	3.5323	3.4985
78.0	3.7632	3.7312	3.6989	3.6661	3.6331	3.5997	3.5659
79.0	3.8311	3.7991	3.7668	3.7341	3.7010	3.6676	3.6338
80.0	3.8996	3.8676	3.8353	3.8026	3.7695	3.7361	3.7023
81.0	3.9687	3.9367	3.9044	3.8717	3.8386	3.8052	3.7714
82.0	4.0384	4.0064	3.9741	3.9414	3.9083	3.8749	3.8411
83.0	4.1087	4.0767	4.0443	4.0116	3.9786	3.9451	3.9114
84.0	4.1796	4.1476	4.1152	4.0825	4.0494	4.0160	3.9822
85.0	4.2510	4.2190	4.1867	4.1540	4.1209	4.0875	4.0537
86.0	4.3231	4.2911	4.2587	4.2260	4.1930	4.1595	4.1258
87.0	4.3958	4.3638	4.3314	4.2987	4.2656	4.2322	4.1984
88.0	4.4690	4.4370	4.4047	4.3720	4.3389	4.3055	4.2717
89.0	4.5429	4.5109	4.4786	4.4459	4.4128	4.3794	4.3456
90.0	4.6174	4.5854	4.5531	4.5204	4.4873	4.4539	4.4201
91.0	4.6926	4.6606	4.6282	4.5955	4.5624	4.5290	4.4952
92.0	4.7683	4.7363	4.7040	4.6712	4.6382	4.6048	4.5710
93.0	4.8447	4.8127	4.7803	4.7476	4.7146	4.6811	4.6473
94.0	4.9217	4.8897	4.8573	4.8246	4.7916	4.7581	4.7243
95.0	4.9993	4.9673	4.9350	4.9022	4.8692	4.8358	4.8020
96.0	5.0776	5.0456	5.0132	4.9805	4.9475	4.9140	4.8802
97.0	5.1565	5.1245	5.0921	5.0594	5.0264	4.9929	4.9592
98.0	5.2360	5.2040	5.1717	5.1390	5.1059	5.0725	5.0387
99.0	5.3162	5.2842	5.2519	5.2192	5.1861	5.1527	5.1189
100.0	5.3971	5.3651	5.3327	5.3000	5.2669	5.2335	5.1997

7	8	9	10	11	12	13	14	15
-0.2315	-0.2660	-0.3009	-0.3362	-0.3718	-0.4078	-0.4442	-0.4810	-0.5182
-0.1995	-0.2340	-0.2689	-0.3042	-0.3398	-0.3758	-0.4122	-0.4490	-0.4862
-0.1671	-0.2017	-0.2365	-0.2718	-0.3075	-0.3435	-0.3799	-0.4167	-0.4538
-0.1344	-0.1689	-0.2038	-0.2391	-0.2747	-0.3108	-0.3472	-0.3839	-0.4211
-0.1014	-0.1359	-0.1708	-0.2060	-0.2417	-0.2777	-0.3141	-0.3509	-0.3880
-0.0679	-0.1025	-0.1373	-0.1726	-0.2083	-0.2443	-0.2807	-0.3175	-0.3546
-0.0342	-0.0687	-0.1036	-0.1388	-0.1745	-0.2105	-0.2469	-0.2837	-0.3208
0	-0.0345	-0.0694	-0.1047	-0.1403	-0.1763	-0.2127	-0.2495	-0.2867
0.0345	0	-0.0349	-0.0702	-0.1058	-0.1418	-0.1782	-0.2150	-0.2522
0.0694	0.0349	0	-0.0353	-0.0709	-0.1069	-0.1433	-0.1801	-0.2173
0.1047	0.0702	0.0353	0	-0.0356	-0.0717	-0.1081	-0.1448	-0.1820
0.1403	0.1058	0.0709	0.0356	0	-0.0360	-0.0724	-0.1092	-0.1464
0.1763	0.1418	0.1069	0.0717	0.0360	0	-0.0364	-0.0732	-0.1104
0.2127	0.1782	0.1433	0.1081	0.0724	0.0364	0	-0.0368	-0.0740
0.2495	0.2150	0.1801	0.1448	0.1092	0.0732	0.0368	0	-0.0372
0.2867	0.2522	0.2173	0.1820	0.1464	0.1104	0.0740	0.0372	0
0.3242	0.2897	0.2548	0.2196	0.1839	0.1479	0.1115	0.0747	0.0376
0.3622	0.3277	0.2928	0.2575	0.2219	0.1859	0.1495	0.1127	0.0755
0.4005	0.3660	0.3311	0.2959	0.2602	0.2242	0.1878	0.1510	0.1139
0.4393	0.4048	0.3699	0.3346	0.2990	0.2630	0.2266	0.1898	0.1526
0.4784	0.4439	0.4090	0.3737	0.3381	0.3021	0.2657	0.2289	0.1917
0.5180	0.4835	0.4486	0.4133	0.3777	0.3416	0.3052	0.2685	0.2313
0.5579	0.5234	0.4885	0.4532	0.4176	0.3816	0.3452	0.3084	0.2712
0.5983	0.5638	0.5289	0.4936	0.4580	0.4220	0.3856	0.3488	0.3116
0.6391	0.6045	0.5696	0.5344	0.4987	0.4627	0.4263	0.3895	0.3524
0.6863	0.6518	0.6169	0.5816	0.5460	0.5100	0.4736	0.4368	0.3996
0.7218	0.6873	0.6524	0.6172	0.5815	0.5455	0.5091	0.4723	0.4352
0.7639	0.7293	0.6944	0.6592	0.6235	0.5875	0.5511	0.5143	0.4772
0.8063	0.7718	0.7369	0.7016	0.6660	0.6300	0.5936	0.5568	0.5196
0.8492	0.8146	0.7798	0.7445	0.7088	0.6728	0.6364	0.5996	0.5625
0.8925	0.8579	0.8231	0.7878	0.7521	0.7161	0.6797	0.6429	0.6058
0.8968	0.8623	0.8274	0.7921	0.7565	0.7205	0.6841	0.6473	0.6101
0.9012	0.8667	0.8318	0.7965	0.7609	0.7248	0.6884	0.6517	0.6145
0.9055	0.8710	0.8361	0.8009	0.7652	0.7292	0.6928	0.6560	0.6189
0.9099	0.8754	0.8405	0.8052	0.7696	0.7336	0.6972	0.6604	0.6232
0.9143	0.8798	0.8449	0.8096	0.7740	0.7379	0.7015	0.6648	0.6276
0.9186	0.8841	0.8492	0.8140	0.7783	0.7423	0.7059	0.6691	0.6320
0.9230	0.8885	0.8536	0.8183	0.7827	0.7467	0.7103	0.6735	0.6363
0.9274	0.8929	0.8580	0.8227	0.7871	0.7511	0.7147	0.6779	0.6407
0.9318	0.8973	0.8624	0.8271	0.7915	0.7555	0.7191	0.6823	0.6451
0.9362	0.9017	0.8668	0.8315	0.7959	0.7599	0.7235	0.6867	0.6495
0.9406	0.9061	0.8712	0.8359	0.8003	0.7643	0.7279	0.6911	0.6539
0.9450	0.9105	0.8756	0.8403	0.8047	0.7687	0.7323	0.6955	0.6583
0.9494	0.9149	0.8800	0.8447	0.8091	0.7731	0.7367	0.6999	0.6627
0.9538	0.9193	0.8844	0.8491	0.8135	0.7775	0.7411	0.7043	0.6671
0.9582	0.9237	0.8888	0.8535	0.8179	0.7819	0.7455	0.7087	0.6715
0.9626	0.9281	0.8932	0.8580	0.8223	0.7863	0.7499	0.7131	0.6760

0.9671	0.9325	0.8976	0.8624	0.8267	0.7907	0.7543	0.7175	0.6804
0.9715	0.9370	0.9021	0.8668	0.8312	0.7952	0.7588	0.7220	0.6848
0.9759	0.9414	0.9065	0.8712	0.8356	0.7996	0.7632	0.7264	0.6892
0.9803	0.9458	0.9109	0.8757	0.8400	0.8040	0.7676	0.7308	0.6937
0.9848	0.9503	0.9154	0.8801	0.8445	0.8085	0.7721	0.7353	0.6981
0.9892	0.9547	0.9198	0.8846	0.8489	0.8129	0.7765	0.7397	0.7026
0.9937	0.9592	0.9243	0.8890	0.8534	0.8174	0.7810	0.7442	0.7070
0.9981	0.9636	0.9287	0.8935	0.8578	0.8218	0.7854	0.7486	0.7115
1.0026	0.9681	0.9332	0.8979	0.8623	0.8263	0.7899	0.7531	0.7159
1.0071	0.9725	0.9376	0.9024	0.8667	0.8307	0.7943	0.7575	0.7204
1.0115	0.9770	0.9421	0.9068	0.8712	0.8352	0.7988	0.7620	0.7248
1.0160	0.9815	0.9466	0.9113	0.8757	0.8397	0.8033	0.7665	0.7293
1.0205	0.9859	0.9511	0.9158	0.8801	0.8441	0.8077	0.7709	0.7338
1.0249	0.9904	0.9555	0.9203	0.8846	0.8486	0.8122	0.7754	0.7383
1.0294	0.9949	0.9600	0.9247	0.8891	0.8531	0.8167	0.7799	0.7427
1.0339	0.9994	0.9645	0.9292	0.8936	0.8576	0.8212	0.7844	0.7472
1.0384	1.0039	0.9690	0.9337	0.8981	0.8621	0.8257	0.7889	0.7517
1.0429	1.0084	0.9735	0.9382	0.9026	0.8666	0.8302	0.7934	0.7562
1.0474	1.0129	0.9780	0.9427	0.9071	0.8711	0.8347	0.7979	0.7607
1.0519	1.0174	0.9825	0.9472	0.9116	0.8756	0.8392	0.8024	0.7652
1.0564	1.0219	0.9870	0.9517	0.9161	0.8801	0.8437	0.8069	0.7697
1.0609	1.0264	0.9915	0.9563	0.9206	0.8846	0.8482	0.8114	0.7743
1.0655	1.0309	0.9960	0.9608	0.9251	0.8891	0.8527	0.8159	0.7788
1.0700	1.0355	1.0006	0.9653	0.9297	0.8936	0.8572	0.8205	0.7833
1.0745	1.0400	1.0051	0.9698	0.9342	0.8982	0.8618	0.8250	0.7878
1.0790	1.0445	1.0096	0.9744	0.9387	0.9027	0.8663	0.8295	0.7924
1.0836	1.0491	1.0142	0.9789	0.9433	0.9072	0.8708	0.8341	0.7969
1.0881	1.0536	1.0187	0.9834	0.9478	0.9118	0.8754	0.8386	0.8014
1.0927	1.0581	1.0233	0.9880	0.9523	0.9163	0.8799	0.8431	0.8060
1.0972	1.0627	1.0278	0.9925	0.9569	0.9209	0.8845	0.8477	0.8105
1.1018	1.0672	1.0324	0.9971	0.9614	0.9254	0.8890	0.8522	0.8151
1.1063	1.0718	1.0369	1.0016	0.9660	0.9300	0.8936	0.8568	0.8196
1.1109	1.0764	1.0415	1.0062	0.9706	0.9346	0.8982	0.8614	0.8242
1.1155	1.0809	1.0460	1.0108	0.9751	0.9391	0.9027	0.8659	0.8288
1.1200	1.0855	1.0506	1.0154	0.9797	0.9437	0.9073	0.8705	0.8334
1.1246	1.0901	1.0552	1.0199	0.9843	0.9483	0.9119	0.8751	0.8379
1.1292	1.0947	1.0598	1.0245	0.9889	0.9529	0.9165	0.8797	0.8425
1.1338	1.0993	1.0644	1.0291	0.9935	0.9574	0.9210	0.8843	0.8471
1.1384	1.1038	1.0690	1.0337	0.9980	0.9620	0.9256	0.8888	0.8517
1.1430	1.1084	1.0735	1.0383	1.0026	0.9666	0.9302	0.8934	0.8563
1.1476	1.1130	1.0781	1.0429	1.0072	0.9712	0.9348	0.8980	0.8609
1.1522	1.1176	1.0828	1.0475	1.0118	0.9758	0.9394	0.9026	0.8655
1.1568	1.1222	1.0874	1.0521	1.0164	0.9804	0.9440	0.9072	0.8701
1.1614	1.1269	1.0920	1.0567	1.0211	0.9851	0.9487	0.9119	0.8747
1.1660	1.1315	1.0966	1.0613	1.0257	0.9897	0.9533	0.9165	0.8793
1.1706	1.1361	1.1012	1.0659	1.0303	0.9943	0.9579	0.9211	0.8839
1.1752	1.1407	1.1058	1.0706	1.0349	0.9989	0.9625	0.9257	0.8886
1.1799	1.1454	1.1105	1.0752	1.0396	1.0035	0.9671	0.9304	0.8932
1.1845	1.1500	1.1151	1.0798	1.0442	1.0082	0.9718	0.9350	0.8978
1.1891	1.1546	1.1197	1.0845	1.0488	1.0128	0.9764	0.9396	0.9025

1.1938	1.1593	1.1244	1.0891	1.0535	1.0175	0.9811	0.9443	0.9071
1.1984	1.1639	1.1290	1.0938	1.0581	1.0221	0.9857	0.9489	0.9118
1.2031	1.1686	1.1337	1.0984	1.0628	1.0268	0.9904	0.9536	0.9164
1.2078	1.1732	1.1383	1.1031	1.0674	1.0314	0.9950	0.9582	0.9211
1.2124	1.1779	1.1430	1.1077	1.0721	1.0361	0.9997	0.9629	0.9257
1.2171	1.1826	1.1477	1.1124	1.0768	1.0408	1.0044	0.9676	0.9304
1.2218	1.1872	1.1523	1.1171	1.0814	1.0454	1.0090	0.9722	0.9351
1.2264	1.1919	1.1570	1.1217	1.0861	1.0501	1.0137	0.9769	0.9397
1.2311	1.1966	1.1617	1.1264	1.0908	1.0548	1.0184	0.9816	0.9444
1.2358	1.2013	1.1664	1.1311	1.0955	1.0595	1.0231	0.9863	0.9491
1.2405	1.2060	1.1711	1.1358	1.1002	1.0642	1.0278	0.9910	0.9538
1.2452	1.2107	1.1758	1.1405	1.1049	1.0688	1.0324	0.9957	0.9585
1.2499	1.2154	1.1805	1.1452	1.1096	1.0735	1.0371	1.0004	0.9632
1.2546	1.2201	1.1852	1.1499	1.1143	1.0782	1.0418	1.0051	0.9679
1.2593	1.2248	1.1899	1.1546	1.1190	1.0830	1.0466	1.0098	0.9726
1.2640	1.2295	1.1946	1.1593	1.1237	1.0877	1.0513	1.0145	0.9773
1.2687	1.2342	1.1993	1.1640	1.1284	1.0924	1.0560	1.0192	0.9820
1.2734	1.2389	1.2040	1.1688	1.1331	1.0971	1.0607	1.0239	0.9868
1.2782	1.2436	1.2087	1.1735	1.1378	1.1018	1.0654	1.0286	0.9915
1.2829	1.2484	1.2135	1.1782	1.1426	1.1066	1.0702	1.0334	0.9962
1.2876	1.2531	1.2182	1.1829	1.1473	1.1113	1.0749	1.0381	1.0009
1.2924	1.2578	1.2229	1.1877	1.1520	1.1160	1.0796	1.0428	1.0057
1.2971	1.2626	1.2277	1.1924	1.1568	1.1208	1.0844	1.0476	1.0104
1.3019	1.2673	1.2324	1.1972	1.1615	1.1255	1.0891	1.0523	1.0152
1.3066	1.2721	1.2372	1.2019	1.1663	1.1303	1.0939	1.0571	1.0199
1.3114	1.2768	1.2420	1.2067	1.1710	1.1350	1.0986	1.0618	1.0247
1.3161	1.2816	1.2467	1.2114	1.1758	1.1398	1.1034	1.0666	1.0294
1.3209	1.2864	1.2515	1.2162	1.1806	1.1446	1.1082	1.0714	1.0342
1.3257	1.2911	1.2562	1.2210	1.1853	1.1493	1.1129	1.0761	1.0390
1.3304	1.2959	1.2610	1.2258	1.1901	1.1541	1.1177	1.0809	1.0438
1.3352	1.3007	1.2658	1.2305	1.1949	1.1589	1.1225	1.0857	1.0485
1.3400	1.3055	1.2706	1.2353	1.1997	1.1637	1.1273	1.0905	1.0533
1.3448	1.3103	1.2754	1.2401	1.2045	1.1685	1.1321	1.0953	1.0581
1.3496	1.3151	1.2802	1.2449	1.2093	1.1733	1.1369	1.1001	1.0629
1.3544	1.3199	1.2850	1.2497	1.2141	1.1781	1.1417	1.1049	1.0677
1.3592	1.3247	1.2898	1.2545	1.2189	1.1829	1.1465	1.1097	1.0725
1.3640	1.3295	1.2946	1.2593	1.2237	1.1877	1.1513	1.1145	1.0773
1.3688	1.3343	1.2994	1.2641	1.2285	1.1925	1.1561	1.1193	1.0821
1.3736	1.3391	1.3042	1.2689	1.2333	1.1973	1.1609	1.1241	1.0869
1.3784	1.3439	1.3090	1.2738	1.2381	1.2021	1.1657	1.1289	1.0918
1.3833	1.3487	1.3139	1.2786	1.2429	1.2069	1.1705	1.1337	1.0966
1.3881	1.3536	1.3187	1.2834	1.2478	1.2118	1.1754	1.1386	1.1014
1.3929	1.3584	1.3235	1.2883	1.2526	1.2166	1.1802	1.1434	1.1063
1.3978	1.3633	1.3284	1.2931	1.2575	1.2214	1.1850	1.1483	1.1111
1.4026	1.3681	1.3332	1.2979	1.2623	1.2263	1.1899	1.1531	1.1159
1.4075	1.3729	1.3381	1.3028	1.2671	1.2311	1.1947	1.1579	1.1208
1.4123	1.3778	1.3429	1.3076	1.2720	1.2360	1.1996	1.1628	1.1256
1.4172	1.3827	1.3478	1.3125	1.2769	1.2409	1.2045	1.1677	1.1305
1.4220	1.3875	1.3526	1.3174	1.2817	1.2457	1.2093	1.1725	1.1354
1.4269	1.3924	1.3575	1.3222	1.2866	1.2506	1.2142	1.1774	1.1402

1.4318	1.3973	1.3624	1.3271	1.2915	1.2555	1.2191	1.1823	1.1451
1.4367	1.4021	1.3673	1.3320	1.2963	1.2603	1.2239	1.1871	1.1500
1.4415	1.4070	1.3721	1.3369	1.3012	1.2652	1.2288	1.1920	1.1549
1.4464	1.4119	1.3770	1.3418	1.3061	1.2701	1.2337	1.1969	1.1598
1.4513	1.4168	1.3819	1.3466	1.3110	1.2750	1.2386	1.2018	1.1646
1.4562	1.4217	1.3868	1.3515	1.3159	1.2799	1.2435	1.2067	1.1695
1.4611	1.4266	1.3917	1.3564	1.3208	1.2848	1.2484	1.2116	1.1744
1.4660	1.4315	1.3966	1.3613	1.3257	1.2897	1.2533	1.2165	1.1793
1.4709	1.4364	1.4015	1.3663	1.3306	1.2946	1.2582	1.2214	1.1843
1.4758	1.4413	1.4064	1.3712	1.3355	1.2995	1.2631	1.2263	1.1892
1.4808	1.4462	1.4114	1.3761	1.3404	1.3044	1.2680	1.2312	1.1941
1.4857	1.4512	1.4163	1.3810	1.3454	1.3094	1.2730	1.2362	1.1990
1.4906	1.4561	1.4212	1.3859	1.3503	1.3143	1.2779	1.2411	1.2039
1.4956	1.4610	1.4261	1.3909	1.3552	1.3192	1.2828	1.2460	1.2089
1.5005	1.4660	1.4311	1.3958	1.3602	1.3242	1.2878	1.2510	1.2138
1.5054	1.4709	1.4360	1.4008	1.3651	1.3291	1.2927	1.2559	1.2188
1.5104	1.4759	1.4410	1.4057	1.3701	1.3340	1.2976	1.2609	1.2237
1.5153	1.4808	1.4459	1.4107	1.3750	1.3390	1.3026	1.2658	1.2287
1.5203	1.4858	1.4509	1.4156	1.3800	1.3440	1.3076	1.2708	1.2336
1.5252	1.4907	1.4558	1.4206	1.3849	1.3489	1.3125	1.2757	1.2386
1.5302	1.4957	1.4608	1.4255	1.3899	1.3539	1.3175	1.2807	1.2435
1.5352	1.5007	1.4658	1.4305	1.3949	1.3589	1.3225	1.2857	1.2485
1.5402	1.5056	1.4708	1.4355	1.3998	1.3638	1.3274	1.2906	1.2535
1.5451	1.5106	1.4757	1.4405	1.4048	1.3688	1.3324	1.2956	1.2585
1.5501	1.5156	1.4807	1.4454	1.4098	1.3738	1.3374	1.3006	1.2634
1.5551	1.5206	1.4857	1.4504	1.4148	1.3788	1.3424	1.3056	1.2684
1.5601	1.5256	1.4907	1.4554	1.4198	1.3838	1.3474	1.3106	1.2734
1.5651	1.5306	1.4957	1.4604	1.4248	1.3888	1.3524	1.3156	1.2784
1.5701	1.5356	1.5007	1.4654	1.4298	1.3938	1.3574	1.3206	1.2834
1.5751	1.5406	1.5057	1.4704	1.4348	1.3988	1.3624	1.3256	1.2884
1.5801	1.5456	1.5107	1.4755	1.4398	1.4038	1.3674	1.3306	1.2935
1.5852	1.5506	1.5157	1.4805	1.4448	1.4088	1.3724	1.3356	1.2985
1.5902	1.5557	1.5208	1.4855	1.4499	1.4138	1.3774	1.3407	1.3035
1.5952	1.5607	1.5258	1.4905	1.4549	1.4189	1.3825	1.3457	1.3085
1.6457	1.6112	1.5763	1.5411	1.5054	1.4694	1.4330	1.3962	1.3591
1.6967	1.6622	1.6273	1.5921	1.5564	1.5204	1.4840	1.4472	1.4101
1.7482	1.7137	1.6788	1.6436	1.6079	1.5719	1.5355	1.4987	1.4616
1.8002	1.7657	1.7308	1.6955	1.6599	1.6239	1.5875	1.5507	1.5135
1.8527	1.8182	1.7833	1.7480	1.7124	1.6764	1.6400	1.6032	1.5660
1.9056	1.8711	1.8362	1.8010	1.7653	1.7293	1.6929	1.6561	1.6190
1.9591	1.9246	1.8897	1.8544	1.8188	1.7828	1.7464	1.7096	1.6724
2.0130	1.9785	1.9436	1.9083	1.8727	1.8367	1.8003	1.7635	1.7263
2.0675	2.0329	1.9981	1.9628	1.9271	1.8911	1.8547	1.8179	1.7808
2.1224	2.0879	2.0530	2.0177	1.9821	1.9461	1.9097	1.8729	1.8357
2.1779	2.1433	2.1084	2.0732	2.0375	2.0015	1.9651	1.9283	1.8912
2.2338	2.1993	2.1644	2.1291	2.0935	2.0575	2.0211	1.9843	1.9471
2.2903	2.2557	2.2209	2.1856	2.1499	2.1139	2.0775	2.0407	2.0036
2.3472	2.3127	2.2778	2.2426	2.2069	2.1709	2.1345	2.0977	2.0606
2.4047	2.3702	2.3353	2.3001	2.2644	2.2284	2.1920	2.1552	2.1181
2.4628	2.4282	2.3934	2.3581	2.3224	2.2864	2.2500	2.2132	2.1761

2.5213	2.4868	2.4519	2.4166	2.3810	2.3450	2.3086	2.2718	2.2346
2.5804	2.5458	2.5110	2.4757	2.4400	2.4040	2.3676	2.3308	2.2937
2.6400	2.6054	2.5706	2.5353	2.4996	2.4636	2.4272	2.3904	2.3533
2.7001	2.6656	2.6307	2.5954	2.5598	2.5238	2.4874	2.4506	2.4134
2.7608	2.7262	2.6914	2.6561	2.6204	2.5844	2.5480	2.5112	2.4741
2.8220	2.7874	2.7526	2.7173	2.6816	2.6456	2.6092	2.5724	2.5353
2.8837	2.8492	2.8143	2.7790	2.7434	2.7074	2.6710	2.6342	2.5970
2.9460	2.9115	2.8766	2.8413	2.8057	2.7697	2.7333	2.6965	2.6593
3.0088	2.9743	2.9394	2.9042	2.8685	2.8325	2.7961	2.7593	2.7222
3.0722	3.0377	3.0028	2.9676	2.9319	2.8959	2.8595	2.8227	2.7856
3.1362	3.1017	3.0668	3.0315	2.9959	2.9599	2.9235	2.8867	2.8495
3.2007	3.1662	3.1313	3.0960	3.0604	3.0244	2.9880	2.9512	2.9140
3.2658	3.2312	3.1964	3.1611	3.1254	3.0894	3.0530	3.0162	2.9791
3.3314	3.2969	3.2620	3.2267	3.1911	3.1551	3.1187	3.0819	3.0447
3.3976	3.3631	3.3282	3.2929	3.2573	3.2213	3.1849	3.1481	3.1109
3.4644	3.4299	3.3950	3.3597	3.3241	3.2880	3.2516	3.2149	3.1777
3.5317	3.4972	3.4623	3.4270	3.3914	3.3554	3.3190	3.2822	3.2450
3.5997	3.5651	3.5302	3.4950	3.4593	3.4233	3.3869	3.3501	3.3130
3.6682	3.6336	3.5988	3.5635	3.5278	3.4918	3.4554	3.4186	3.3815
3.7373	3.7027	3.6678	3.6326	3.5969	3.5609	3.5245	3.4877	3.4506
3.8069	3.7724	3.7375	3.7023	3.6666	3.6306	3.5942	3.5574	3.5203
3.8772	3.8427	3.8078	3.7725	3.7369	3.7009	3.6645	3.6277	3.5905
3.9481	3.9136	3.8787	3.8434	3.8078	3.7717	3.7353	3.6986	3.6614
4.0195	3.9850	3.9501	3.9149	3.8792	3.8432	3.8068	3.7700	3.7329
4.0916	4.0571	4.0222	3.9869	3.9513	3.9153	3.8789	3.8421	3.8049
4.1643	4.1298	4.0949	4.0596	4.0240	3.9880	3.9516	3.9148	3.8776
4.2376	4.2030	4.1681	4.1329	4.0972	4.0612	4.0248	3.9880	3.9509
4.3115	4.2769	4.2420	4.2068	4.1711	4.1351	4.0987	4.0619	4.0248
4.3860	4.3514	4.3165	4.2813	4.2456	4.2096	4.1732	4.1364	4.0993
4.4611	4.4266	4.3917	4.3564	4.3208	4.2848	4.2484	4.2116	4.1744
4.5368	4.5023	4.4674	4.4321	4.3965	4.3605	4.3241	4.2873	4.2501
4.6132	4.5787	4.5438	4.5085	4.4729	4.4369	4.4005	4.3637	4.3265
4.6902	4.6557	4.6208	4.5855	4.5499	4.5139	4.4775	4.4407	4.4035
4.7678	4.7333	4.6984	4.6631	4.6275	4.5915	4.5551	4.5183	4.4811
4.8461	4.8116	4.7767	4.7414	4.7058	4.6698	4.6334	4.5966	4.5594
4.9250	4.8905	4.8556	4.8203	4.7847	4.7487	4.7123	4.6755	4.6383
5.0046	4.9700	4.9351	4.8999	4.8642	4.8282	4.7918	4.7550	4.7179
5.0847	5.0502	5.0153	4.9801	4.9444	4.9084	4.8720	4.8352	4.7981
5.1656	5.1311	5.0962	5.0609	5.0253	4.9893	4.9529	4.9161	4.8789

16	17	18	19	20	21	22	23	24
-0.5557	-0.5937	-0.6320	-0.6708	-0.7099	-0.7495	-0.7894	-0.8298	-0.8705
-0.5237	-0.5617	-0.6000	-0.6388	-0.6779	-0.7175	-0.7574	-0.7978	-0.8385
-0.4914	-0.5293	-0.5677	-0.6064	-0.6456	-0.6851	-0.7251	-0.7654	-0.8062
-0.4587	-0.4966	-0.5350	-0.5737	-0.6128	-0.6524	-0.6923	-0.7327	-0.7735
-0.4256	-0.4636	-0.5019	-0.5406	-0.5798	-0.6193	-0.6593	-0.6996	-0.7404
-0.3922	-0.4301	-0.4685	-0.5072	-0.5464	-0.5859	-0.6259	-0.6662	-0.7070
-0.3584	-0.3963	-0.4347	-0.4734	-0.5126	-0.5521	-0.5921	-0.6324	-0.6732
-0.3242	-0.3622	-0.4005	-0.4393	-0.4784	-0.5180	-0.5579	-0.5983	-0.6391
-0.2897	-0.3277	-0.3660	-0.4048	-0.4439	-0.4835	-0.5234	-0.5638	-0.6045
-0.2548	-0.2928	-0.3311	-0.3699	-0.4090	-0.4486	-0.4885	-0.5289	-0.5696
-0.2196	-0.2575	-0.2959	-0.3346	-0.3737	-0.4133	-0.4532	-0.4936	-0.5344
-0.1839	-0.2219	-0.2602	-0.2990	-0.3381	-0.3777	-0.4176	-0.4580	-0.4987
-0.1479	-0.1859	-0.2242	-0.2630	-0.3021	-0.3416	-0.3816	-0.4220	-0.4627
-0.1115	-0.1495	-0.1878	-0.2266	-0.2657	-0.3052	-0.3452	-0.3856	-0.4263
-0.0747	-0.1127	-0.1510	-0.1898	-0.2289	-0.2685	-0.3084	-0.3488	-0.3895
-0.0376	-0.0755	-0.1139	-0.1526	-0.1917	-0.2313	-0.2712	-0.3116	-0.3524
0	-0.0380	-0.0763	-0.1150	-0.1542	-0.1937	-0.2337	-0.2740	-0.3148
0.0380	0	-0.0384	-0.0771	-0.1162	-0.1558	-0.1957	-0.2361	-0.2769
0.0763	0.0384	0	-0.0387	-0.0779	-0.1174	-0.1574	-0.1977	-0.2385
0.1150	0.0771	0.0387	0	-0.0391	-0.0787	-0.1186	-0.1590	-0.1998
0.1542	0.1162	0.0779	0.0391	0	-0.0396	-0.0795	-0.1199	-0.1606
0.1937	0.1558	0.1174	0.0787	0.0396	0	-0.0400	-0.0803	-0.1211
0.2337	0.1957	0.1574	0.1186	0.0795	0.0400	0	-0.0404	-0.0811
0.2740	0.2361	0.1977	0.1590	0.1199	0.0803	0.0404	0	-0.0408
0.3148	0.2769	0.2385	0.1998	0.1606	0.1211	0.0811	0.0408	0
0.3621	0.3241	0.2858	0.2470	0.2079	0.1684	0.1284	0.0880	0.0473
0.3976	0.3596	0.3213	0.2826	0.2434	0.2039	0.1639	0.1236	0.0828
0.4396	0.4017	0.3633	0.3246	0.2854	0.2459	0.2059	0.1656	0.1248
0.4821	0.4441	0.4058	0.3670	0.3279	0.2883	0.2484	0.2080	0.1672
0.5249	0.4870	0.4486	0.4099	0.3707	0.3312	0.2912	0.2509	0.2101
0.5682	0.5303	0.4919	0.4532	0.4140	0.3745	0.3345	0.2942	0.2534
0.5726	0.5346	0.4963	0.4575	0.4184	0.3788	0.3389	0.2985	0.2578
0.5769	0.5390	0.5006	0.4619	0.4228	0.3832	0.3433	0.3029	0.2621
0.5813	0.5433	0.5050	0.4663	0.4271	0.3876	0.3476	0.3073	0.2665
0.5857	0.5477	0.5094	0.4706	0.4315	0.3919	0.3520	0.3116	0.2708
0.5900	0.5521	0.5137	0.4750	0.4359	0.3963	0.3564	0.3160	0.2752
0.5944	0.5565	0.5181	0.4794	0.4402	0.4007	0.3607	0.3204	0.2796
0.5988	0.5608	0.5225	0.4837	0.4446	0.4051	0.3651	0.3247	0.2840
0.6032	0.5652	0.5269	0.4881	0.4490	0.4094	0.3695	0.3291	0.2884
0.6076	0.5696	0.5313	0.4925	0.4534	0.4138	0.3739	0.3335	0.2927
0.6119	0.5740	0.5356	0.4969	0.4578	0.4182	0.3783	0.3379	0.2971
0.6163	0.5784	0.5400	0.5013	0.4622	0.4226	0.3827	0.3423	0.3015
0.6207	0.5828	0.5444	0.5057	0.4666	0.4270	0.3871	0.3467	0.3059
0.6251	0.5872	0.5488	0.5101	0.4710	0.4314	0.3915	0.3511	0.3103
0.6296	0.5916	0.5533	0.5145	0.4754	0.4358	0.3959	0.3555	0.3147
0.6340	0.5960	0.5577	0.5189	0.4798	0.4402	0.4003	0.3599	0.3192
0.6384	0.6004	0.5621	0.5234	0.4842	0.4447	0.4047	0.3644	0.3236

0.6428	0.6049	0.5665	0.5278	0.4886	0.4491	0.4091	0.3688	0.3280
0.6472	0.6093	0.5709	0.5322	0.4931	0.4535	0.4136	0.3732	0.3324
0.6517	0.6137	0.5754	0.5366	0.4975	0.4579	0.4180	0.3776	0.3369
0.6561	0.6182	0.5798	0.5411	0.5019	0.4624	0.4224	0.3821	0.3413
0.6605	0.6226	0.5842	0.5455	0.5064	0.4668	0.4269	0.3865	0.3457
0.6650	0.6270	0.5887	0.5500	0.5108	0.4713	0.4313	0.3910	0.3502
0.6694	0.6315	0.5931	0.5544	0.5153	0.4757	0.4358	0.3954	0.3546
0.6739	0.6359	0.5976	0.5589	0.5197	0.4802	0.4402	0.3999	0.3591
0.6784	0.6404	0.6021	0.5633	0.5242	0.4846	0.4447	0.4043	0.3635
0.6828	0.6449	0.6065	0.5678	0.5286	0.4891	0.4491	0.4088	0.3680
0.6873	0.6493	0.6110	0.5722	0.5331	0.4935	0.4536	0.4132	0.3725
0.6917	0.6538	0.6154	0.5767	0.5376	0.4980	0.4581	0.4177	0.3769
0.6962	0.6583	0.6199	0.5812	0.5420	0.5025	0.4625	0.4222	0.3814
0.7007	0.6628	0.6244	0.5857	0.5465	0.5070	0.4670	0.4267	0.3859
0.7052	0.6672	0.6289	0.5901	0.5510	0.5115	0.4715	0.4311	0.3904
0.7097	0.6717	0.6334	0.5946	0.5555	0.5159	0.4760	0.4356	0.3949
0.7142	0.6762	0.6379	0.5991	0.5600	0.5204	0.4805	0.4401	0.3994
0.7187	0.6807	0.6424	0.6036	0.5645	0.5249	0.4850	0.4446	0.4039
0.7232	0.6852	0.6469	0.6081	0.5690	0.5294	0.4895	0.4491	0.4084
0.7277	0.6897	0.6514	0.6126	0.5735	0.5339	0.4940	0.4536	0.4129
0.7322	0.6942	0.6559	0.6171	0.5780	0.5385	0.4985	0.4581	0.4174
0.7367	0.6987	0.6604	0.6217	0.5825	0.5430	0.5030	0.4627	0.4219
0.7412	0.7033	0.6649	0.6262	0.5870	0.5475	0.5075	0.4672	0.4264
0.7457	0.7078	0.6694	0.6307	0.5916	0.5520	0.5121	0.4717	0.4309
0.7503	0.7123	0.6740	0.6352	0.5961	0.5565	0.5166	0.4762	0.4355
0.7548	0.7168	0.6785	0.6398	0.6006	0.5611	0.5211	0.4808	0.4400
0.7593	0.7214	0.6830	0.6443	0.6052	0.5656	0.5257	0.4853	0.4445
0.7639	0.7259	0.6876	0.6488	0.6097	0.5701	0.5302	0.4898	0.4491
0.7684	0.7305	0.6921	0.6534	0.6142	0.5747	0.5347	0.4944	0.4536
0.7730	0.7350	0.6967	0.6579	0.6188	0.5792	0.5393	0.4989	0.4582
0.7775	0.7396	0.7012	0.6625	0.6233	0.5838	0.5438	0.5035	0.4627
0.7821	0.7441	0.7058	0.6670	0.6279	0.5884	0.5484	0.5080	0.4673
0.7866	0.7487	0.7103	0.6716	0.6325	0.5929	0.5530	0.5126	0.4718
0.7912	0.7533	0.7149	0.6762	0.6370	0.5975	0.5575	0.5172	0.4764
0.7958	0.7578	0.7195	0.6808	0.6416	0.6021	0.5621	0.5218	0.4810
0.8004	0.7624	0.7241	0.6853	0.6462	0.6066	0.5667	0.5263	0.4856
0.8049	0.7670	0.7286	0.6899	0.6508	0.6112	0.5713	0.5309	0.4901
0.8095	0.7716	0.7332	0.6945	0.6554	0.6158	0.5759	0.5355	0.4947
0.8141	0.7762	0.7378	0.6991	0.6599	0.6204	0.5804	0.5401	0.4993
0.8187	0.7808	0.7424	0.7037	0.6645	0.6250	0.5850	0.5447	0.5039
0.8233	0.7854	0.7470	0.7083	0.6691	0.6296	0.5896	0.5493	0.5085
0.8279	0.7900	0.7516	0.7129	0.6737	0.6342	0.5942	0.5539	0.5131
0.8325	0.7946	0.7562	0.7175	0.6783	0.6388	0.5988	0.5585	0.5177
0.8371	0.7992	0.7608	0.7221	0.6830	0.6434	0.6035	0.5631	0.5223
0.8418	0.8038	0.7655	0.7267	0.6876	0.6480	0.6081	0.5677	0.5269
0.8464	0.8084	0.7701	0.7313	0.6922	0.6526	0.6127	0.5723	0.5316
0.8510	0.8131	0.7747	0.7360	0.6968	0.6573	0.6173	0.5770	0.5362
0.8556	0.8177	0.7793	0.7406	0.7015	0.6619	0.6220	0.5816	0.5408
0.8603	0.8223	0.7840	0.7452	0.7061	0.6665	0.6266	0.5862	0.5455
0.8649	0.8270	0.7886	0.7499	0.7107	0.6712	0.6312	0.5909	0.5501

0.8696	0.8316	0.7933	0.7545	0.7154	0.6758	0.6359	0.5955	0.5547
0.8742	0.8363	0.7979	0.7592	0.7200	0.6805	0.6405	0.6002	0.5594
0.8789	0.8409	0.8026	0.7638	0.7247	0.6851	0.6452	0.6048	0.5640
0.8835	0.8456	0.8072	0.7685	0.7293	0.6898	0.6498	0.6095	0.5687
0.8882	0.8502	0.8119	0.7731	0.7340	0.6944	0.6545	0.6141	0.5734
0.8928	0.8549	0.8165	0.7778	0.7387	0.6991	0.6592	0.6188	0.5780
0.8975	0.8596	0.8212	0.7825	0.7433	0.7038	0.6638	0.6235	0.5827
0.9022	0.8642	0.8259	0.7871	0.7480	0.7085	0.6685	0.6281	0.5874
0.9069	0.8689	0.8306	0.7918	0.7527	0.7131	0.6732	0.6328	0.5921
0.9116	0.8736	0.8353	0.7965	0.7574	0.7178	0.6779	0.6375	0.5967
0.9162	0.8783	0.8399	0.8012	0.7621	0.7225	0.6826	0.6422	0.6014
0.9209	0.8830	0.8446	0.8059	0.7668	0.7272	0.6873	0.6469	0.6061
0.9256	0.8877	0.8493	0.8106	0.7715	0.7319	0.6920	0.6516	0.6108
0.9303	0.8924	0.8540	0.8153	0.7762	0.7366	0.6967	0.6563	0.6155
0.9350	0.8971	0.8587	0.8200	0.7809	0.7413	0.7014	0.6610	0.6202
0.9398	0.9018	0.8635	0.8247	0.7856	0.7460	0.7061	0.6657	0.6249
0.9445	0.9065	0.8682	0.8294	0.7903	0.7507	0.7108	0.6704	0.6297
0.9492	0.9112	0.8729	0.8342	0.7950	0.7555	0.7155	0.6752	0.6344
0.9539	0.9160	0.8776	0.8389	0.7997	0.7602	0.7202	0.6799	0.6391
0.9586	0.9207	0.8823	0.8436	0.8045	0.7649	0.7250	0.6846	0.6438
0.9634	0.9254	0.8871	0.8483	0.8092	0.7696	0.7297	0.6893	0.6486
0.9681	0.9302	0.8918	0.8531	0.8139	0.7744	0.7344	0.6941	0.6533
0.9729	0.9349	0.8966	0.8578	0.8187	0.7791	0.7392	0.6988	0.6581
0.9776	0.9397	0.9013	0.8626	0.8234	0.7839	0.7439	0.7036	0.6628
0.9824	0.9444	0.9061	0.8673	0.8282	0.7886	0.7487	0.7083	0.6676
0.9871	0.9492	0.9108	0.8721	0.8329	0.7934	0.7534	0.7131	0.6723
0.9919	0.9539	0.9156	0.8768	0.8377	0.7982	0.7582	0.7178	0.6771
0.9966	0.9587	0.9203	0.8816	0.8425	0.8029	0.7630	0.7226	0.6818
1.0014	0.9635	0.9251	0.8864	0.8472	0.8077	0.7677	0.7274	0.6866
1.0062	0.9682	0.9299	0.8912	0.8520	0.8125	0.7725	0.7322	0.6914
1.0110	0.9730	0.9347	0.8959	0.8568	0.8172	0.7773	0.7369	0.6962
1.0158	0.9778	0.9395	0.9007	0.8616	0.8220	0.7821	0.7417	0.7009
1.0205	0.9826	0.9442	0.9055	0.8664	0.8268	0.7869	0.7465	0.7057
1.0253	0.9874	0.9490	0.9103	0.8712	0.8316	0.7917	0.7513	0.7105
1.0301	0.9922	0.9538	0.9151	0.8760	0.8364	0.7965	0.7561	0.7153
1.0349	0.9970	0.9586	0.9199	0.8808	0.8412	0.8013	0.7609	0.7201
1.0398	1.0018	0.9635	0.9247	0.8856	0.8460	0.8061	0.7657	0.7249
1.0446	1.0066	0.9683	0.9295	0.8904	0.8508	0.8109	0.7705	0.7298
1.0494	1.0114	0.9731	0.9343	0.8952	0.8557	0.8157	0.7753	0.7346
1.0542	1.0163	0.9779	0.9392	0.9000	0.8605	0.8205	0.7802	0.7394
1.0590	1.0211	0.9827	0.9440	0.9048	0.8653	0.8253	0.7850	0.7442
1.0639	1.0259	0.9876	0.9488	0.9097	0.8701	0.8302	0.7898	0.7491
1.0687	1.0307	0.9924	0.9537	0.9145	0.8750	0.8350	0.7947	0.7539
1.0735	1.0356	0.9972	0.9585	0.9194	0.8798	0.8399	0.7995	0.7587
1.0784	1.0404	1.0021	0.9633	0.9242	0.8847	0.8447	0.8043	0.7636
1.0832	1.0453	1.0069	0.9682	0.9290	0.8895	0.8495	0.8092	0.7684
1.0881	1.0501	1.0118	0.9730	0.9339	0.8944	0.8544	0.8140	0.7733
1.0929	1.0550	1.0166	0.9779	0.9388	0.8992	0.8593	0.8189	0.7781
1.0978	1.0599	1.0215	0.9828	0.9436	0.9041	0.8641	0.8238	0.7830
1.1027	1.0647	1.0264	0.9876	0.9485	0.9089	0.8690	0.8286	0.7879

1.1075	1.0696	1.0312	0.9925	0.9534	0.9138	0.8739	0.8335	0.7927
1.1124	1.0745	1.0361	0.9974	0.9582	0.9187	0.8787	0.8384	0.7976
1.1173	1.0794	1.0410	1.0023	0.9631	0.9236	0.8836	0.8433	0.8025
1.1222	1.0842	1.0459	1.0072	0.9680	0.9285	0.8885	0.8482	0.8074
1.1271	1.0891	1.0508	1.0120	0.9729	0.9334	0.8934	0.8530	0.8123
1.1320	1.0940	1.0557	1.0169	0.9778	0.9382	0.8983	0.8579	0.8172
1.1369	1.0989	1.0606	1.0218	0.9827	0.9431	0.9032	0.8628	0.8221
1.1418	1.1038	1.0655	1.0267	0.9876	0.9481	0.9081	0.8677	0.8270
1.1467	1.1087	1.0704	1.0317	0.9925	0.9530	0.9130	0.8727	0.8319
1.1516	1.1137	1.0753	1.0366	0.9974	0.9579	0.9179	0.8776	0.8368
1.1565	1.1186	1.0802	1.0415	1.0023	0.9628	0.9228	0.8825	0.8417
1.1615	1.1235	1.0852	1.0464	1.0073	0.9677	0.9278	0.8874	0.8466
1.1664	1.1284	1.0901	1.0513	1.0122	0.9726	0.9327	0.8923	0.8516
1.1713	1.1334	1.0950	1.0563	1.0171	0.9776	0.9376	0.8973	0.8565
1.1762	1.1383	1.0999	1.0612	1.0221	0.9825	0.9426	0.9022	0.8614
1.1812	1.1432	1.1049	1.0662	1.0270	0.9875	0.9475	0.9072	0.8664
1.1861	1.1482	1.1098	1.0711	1.0320	0.9924	0.9525	0.9121	0.8713
1.1911	1.1531	1.1148	1.0761	1.0369	0.9974	0.9574	0.9171	0.8763
1.1960	1.1581	1.1197	1.0810	1.0419	1.0023	0.9624	0.9220	0.8812
1.2010	1.1631	1.1247	1.0860	1.0468	1.0073	0.9673	0.9270	0.8862
1.2060	1.1680	1.1297	1.0909	1.0518	1.0122	0.9723	0.9319	0.8912
1.2109	1.1730	1.1346	1.0959	1.0568	1.0172	0.9773	0.9369	0.8961
1.2159	1.1780	1.1396	1.1009	1.0617	1.0222	0.9822	0.9419	0.9011
1.2209	1.1830	1.1446	1.1059	1.0667	1.0272	0.9872	0.9469	0.9061
1.2259	1.1879	1.1496	1.1108	1.0717	1.0322	0.9922	0.9518	0.9111
1.2309	1.1929	1.1546	1.1158	1.0767	1.0371	0.9972	0.9568	0.9161
1.2359	1.1979	1.1596	1.1208	1.0817	1.0421	1.0022	0.9618	0.9211
1.2409	1.2029	1.1646	1.1258	1.0867	1.0471	1.0072	0.9668	0.9261
1.2459	1.2079	1.1696	1.1308	1.0917	1.0521	1.0122	0.9718	0.9311
1.2509	1.2129	1.1746	1.1358	1.0967	1.0572	1.0172	0.9768	0.9361
1.2559	1.2179	1.1796	1.1409	1.1017	1.0622	1.0222	0.9819	0.9411
1.2609	1.2230	1.1846	1.1459	1.1067	1.0672	1.0272	0.9869	0.9461
1.2659	1.2280	1.1896	1.1509	1.1118	1.0722	1.0323	0.9919	0.9511
1.2710	1.2330	1.1947	1.1559	1.1168	1.0772	1.0373	0.9969	0.9562
1.3215	1.2835	1.2452	1.2065	1.1673	1.1278	1.0878	1.0475	1.0067
1.3725	1.3346	1.2962	1.2575	1.2183	1.1788	1.1388	1.0985	1.0577
1.4240	1.3861	1.3477	1.3090	1.2698	1.2303	1.1903	1.1500	1.1092
1.4760	1.4380	1.3997	1.3609	1.3218	1.2822	1.2423	1.2019	1.1612
1.5284	1.4905	1.4521	1.4134	1.3743	1.3347	1.2948	1.2544	1.2136
1.5814	1.5434	1.5051	1.4664	1.4272	1.3877	1.3477	1.3074	1.2666
1.6348	1.5969	1.5585	1.5198	1.4807	1.4411	1.4012	1.3608	1.3200
1.6888	1.6508	1.6125	1.5737	1.5346	1.4951	1.4551	1.4147	1.3740
1.7432	1.7053	1.6669	1.6282	1.5890	1.5495	1.5095	1.4692	1.4284
1.7982	1.7602	1.7219	1.6831	1.6440	1.6044	1.5645	1.5241	1.4834
1.8536	1.8157	1.7773	1.7386	1.6994	1.6599	1.6199	1.5796	1.5388
1.9096	1.8716	1.8333	1.7945	1.7554	1.7158	1.6759	1.6355	1.5948
1.9660	1.9281	1.8897	1.8510	1.8118	1.7723	1.7323	1.6920	1.6512
2.0230	1.9851	1.9467	1.9080	1.8688	1.8293	1.7893	1.7490	1.7082
2.0805	2.0426	2.0042	1.9655	1.9263	1.8868	1.8468	1.8065	1.7657
2.1385	2.1006	2.0622	2.0235	1.9843	1.9448	1.9048	1.8645	1.8237

2.1971	2.1591	2.1208	2.0820	2.0429	2.0033	1.9634	1.9230	1.8823
2.2561	2.2182	2.1798	2.1411	2.1019	2.0624	2.0224	1.9821	1.9413
2.3157	2.2778	2.2394	2.2007	2.1615	2.1220	2.0820	2.0417	2.0009
2.3759	2.3379	2.2996	2.2608	2.2217	2.1821	2.1422	2.1018	2.0610
2.4365	2.3986	2.3602	2.3215	2.2823	2.2428	2.2028	2.1625	2.1217
2.4977	2.4598	2.4214	2.3827	2.3435	2.3040	2.2640	2.2237	2.1829
2.5595	2.5215	2.4832	2.4444	2.4053	2.3657	2.3258	2.2854	2.2447
2.6218	2.5838	2.5455	2.5067	2.4676	2.4280	2.3881	2.3477	2.3070
2.6846	2.6467	2.6083	2.5696	2.5304	2.4909	2.4509	2.4106	2.3698
2.7480	2.7101	2.6717	2.6330	2.5938	2.5543	2.5143	2.4740	2.4332
2.8120	2.7740	2.7357	2.6969	2.6578	2.6182	2.5783	2.5379	2.4971
2.8765	2.8385	2.8002	2.7614	2.7223	2.6827	2.6428	2.6024	2.5616
2.9415	2.9036	2.8652	2.8265	2.7873	2.7478	2.7078	2.6675	2.6267
3.0072	2.9692	2.9309	2.8921	2.8530	2.8134	2.7735	2.7331	2.6924
3.0734	3.0354	2.9971	2.9583	2.9192	2.8796	2.8397	2.7993	2.7586
3.1401	3.1022	3.0638	3.0251	2.9860	2.9464	2.9065	2.8661	2.8253
3.2075	3.1695	3.1312	3.0924	3.0533	3.0138	2.9738	2.9334	2.8927
3.2754	3.2375	3.1991	3.1604	3.1212	3.0817	3.0417	3.0014	2.9606
3.3439	3.3060	3.2676	3.2289	3.1897	3.1502	3.1102	3.0699	3.0291
3.4130	3.3751	3.3367	3.2980	3.2588	3.2193	3.1793	3.1390	3.0982
3.4827	3.4447	3.4064	3.3677	3.3285	3.2890	3.2490	3.2087	3.1679
3.5530	3.5150	3.4767	3.4379	3.3988	3.3592	3.3193	3.2789	3.2382
3.6238	3.5859	3.5475	3.5088	3.4697	3.4301	3.3902	3.3498	3.3090
3.6953	3.6574	3.6190	3.5803	3.5411	3.5016	3.4616	3.4213	3.3805
3.7674	3.7294	3.6911	3.6523	3.6132	3.5736	3.5337	3.4933	3.4526
3.8400	3.8021	3.7637	3.7250	3.6859	3.6463	3.6064	3.5660	3.5252
3.9133	3.8754	3.8370	3.7983	3.7591	3.7196	3.6796	3.6393	3.5985
3.9872	3.9493	3.9109	3.8722	3.8330	3.7935	3.7535	3.7132	3.6724
4.0617	4.0238	3.9854	3.9467	3.9075	3.8680	3.8280	3.7877	3.7469
4.1368	4.0989	4.0605	4.0218	3.9827	3.9431	3.9032	3.8628	3.8220
4.2126	4.1746	4.1363	4.0975	4.0584	4.0189	3.9789	3.9385	3.8978
4.2890	4.2510	4.2127	4.1739	4.1348	4.0952	4.0553	4.0149	3.9741
4.3660	4.3280	4.2897	4.2509	4.2118	4.1722	4.1323	4.0919	4.0511
4.4436	4.4056	4.3673	4.3285	4.2894	4.2499	4.2099	4.1695	4.1288
4.5219	4.4839	4.4456	4.4068	4.3677	4.3281	4.2882	4.2478	4.2070
4.6008	4.5628	4.5245	4.4857	4.4466	4.4070	4.3671	4.3267	4.2860
4.6803	4.6424	4.6040	4.5653	4.5261	4.4866	4.4466	4.4063	4.3655
4.7605	4.7226	4.6842	4.6455	4.6063	4.5668	4.5268	4.4865	4.4457
4.8413	4.8034	4.7650	4.7263	4.6872	4.6476	4.6077	4.5673	4.5265

25	26	27	28	29	30	31	32	33
-0.9178	-0.9533	-0.9953	-1.0378	-1.0806	-1.1239	-1.1677	-1.2118	-1.2564
-0.8858	-0.9213	-0.9633	-1.0058	-1.0486	-1.0919	-1.1357	-1.1798	-1.2244
-0.8535	-0.8890	-0.9310	-0.9734	-1.0163	-1.0596	-1.1033	-1.1475	-1.1921
-0.8207	-0.8563	-0.8983	-0.9407	-0.9836	-1.0269	-1.0706	-1.1148	-1.1594
-0.7877	-0.8232	-0.8652	-0.9077	-0.9505	-0.9938	-1.0375	-1.0817	-1.1263
-0.7543	-0.7898	-0.8318	-0.8742	-0.9171	-0.9604	-1.0041	-1.0483	-1.0929
-0.7205	-0.7560	-0.7980	-0.8404	-0.8833	-0.9266	-0.9703	-1.0145	-1.0591
-0.6863	-0.7218	-0.7639	-0.8063	-0.8492	-0.8925	-0.9362	-0.9803	-1.0249
-0.6518	-0.6873	-0.7293	-0.7718	-0.8146	-0.8579	-0.9017	-0.9458	-0.9904
-0.6169	-0.6524	-0.6944	-0.7369	-0.7798	-0.8231	-0.8668	-0.9109	-0.9555
-0.5816	-0.6172	-0.6592	-0.7016	-0.7445	-0.7878	-0.8315	-0.8757	-0.9203
-0.5460	-0.5815	-0.6235	-0.6660	-0.7088	-0.7521	-0.7959	-0.8400	-0.8846
-0.5100	-0.5455	-0.5875	-0.6300	-0.6728	-0.7161	-0.7599	-0.8040	-0.8486
-0.4736	-0.5091	-0.5511	-0.5936	-0.6364	-0.6797	-0.7235	-0.7676	-0.8122
-0.4368	-0.4723	-0.5143	-0.5568	-0.5996	-0.6429	-0.6867	-0.7308	-0.7754
-0.3996	-0.4352	-0.4772	-0.5196	-0.5625	-0.6058	-0.6495	-0.6937	-0.7383
-0.3621	-0.3976	-0.4396	-0.4821	-0.5249	-0.5682	-0.6119	-0.6561	-0.7007
-0.3241	-0.3596	-0.4017	-0.4441	-0.4870	-0.5303	-0.5740	-0.6182	-0.6628
-0.2858	-0.3213	-0.3633	-0.4058	-0.4486	-0.4919	-0.5356	-0.5798	-0.6244
-0.2470	-0.2826	-0.3246	-0.3670	-0.4099	-0.4532	-0.4969	-0.5411	-0.5857
-0.2079	-0.2434	-0.2854	-0.3279	-0.3707	-0.4140	-0.4578	-0.5019	-0.5465
-0.1684	-0.2039	-0.2459	-0.2883	-0.3312	-0.3745	-0.4182	-0.4624	-0.5070
-0.1284	-0.1639	-0.2059	-0.2484	-0.2912	-0.3345	-0.3783	-0.4224	-0.4670
-0.0880	-0.1236	-0.1656	-0.2080	-0.2509	-0.2942	-0.3379	-0.3821	-0.4267
-0.0473	-0.0828	-0.1248	-0.1672	-0.2101	-0.2534	-0.2971	-0.3413	-0.3859
0	-0.0355	-0.0775	-0.1200	-0.1628	-0.2061	-0.2499	-0.2940	-0.3386
0.0355	0	-0.0420	-0.0845	-0.1273	-0.1706	-0.2144	-0.2585	-0.3031
0.0775	0.0420	0	-0.0424	-0.0853	-0.1286	-0.1723	-0.2165	-0.2611
0.1200	0.0845	0.0424	0	-0.0429	-0.0862	-0.1299	-0.1741	-0.2187
0.1628	0.1273	0.0853	0.0429	0	-0.0433	-0.0870	-0.1312	-0.1758
0.2061	0.1706	0.1286	0.0862	0.0433	0	-0.0437	-0.0879	-0.1325
0.2105	0.1750	0.1330	0.0905	0.0477	0.0044	-0.0394	-0.0835	-0.1281
0.2149	0.1793	0.1373	0.0949	0.0520	0.0087	-0.0350	-0.0792	-0.1238
0.2192	0.1837	0.1417	0.0992	0.0564	0.0131	-0.0307	-0.0748	-0.1194
0.2236	0.1881	0.1460	0.1036	0.0607	0.0174	-0.0263	-0.0705	-0.1151
0.2280	0.1924	0.1504	0.1080	0.0651	0.0218	-0.0219	-0.0661	-0.1107
0.2323	0.1968	0.1548	0.1124	0.0695	0.0262	-0.0175	-0.0617	-0.1063
0.2367	0.2012	0.1592	0.1167	0.0739	0.0306	-0.0132	-0.0573	-0.1019
0.2411	0.2056	0.1636	0.1211	0.0782	0.0349	-0.0088	-0.0529	-0.0975
0.2455	0.2100	0.1679	0.1255	0.0826	0.0393	-0.0044	-0.0486	-0.0932
0.2499	0.2144	0.1723	0.1299	0.0870	0.0437	0	-0.0442	-0.0888
0.2543	0.2188	0.1767	0.1343	0.0914	0.0481	0.0044	-0.0398	-0.0844
0.2587	0.2232	0.1811	0.1387	0.0958	0.0525	0.0088	-0.0354	-0.0800
0.2631	0.2276	0.1855	0.1431	0.1002	0.0569	0.0132	-0.0310	-0.0756
0.2675	0.2320	0.1899	0.1475	0.1046	0.0613	0.0176	-0.0266	-0.0712
0.2719	0.2364	0.1944	0.1519	0.1091	0.0658	0.0220	-0.0221	-0.0667
0.2763	0.2408	0.1988	0.1563	0.1135	0.0702	0.0265	-0.0177	-0.0623

0.2807	0.2452	0.2032	0.1608	0.1179	0.0746	0.0309	-0.0133	-0.0579
0.2852	0.2497	0.2076	0.1652	0.1223	0.0790	0.0353	-0.0089	-0.0535
0.2896	0.2541	0.2121	0.1696	0.1268	0.0835	0.0397	-0.0044	-0.0490
0.2940	0.2585	0.2165	0.1741	0.1312	0.0879	0.0442	0	-0.0446
0.2985	0.2630	0.2209	0.1785	0.1356	0.0923	0.0486	0.0044	-0.0402
0.3029	0.2674	0.2254	0.1829	0.1401	0.0968	0.0531	0.0089	-0.0357
0.3074	0.2719	0.2298	0.1874	0.1445	0.1012	0.0575	0.0133	-0.0313
0.3118	0.2763	0.2343	0.1918	0.1490	0.1057	0.0620	0.0178	-0.0268
0.3163	0.2808	0.2387	0.1963	0.1534	0.1101	0.0664	0.0223	-0.0224
0.3207	0.2852	0.2432	0.2008	0.1579	0.1146	0.0709	0.0267	-0.0179
0.3252	0.2897	0.2477	0.2052	0.1624	0.1191	0.0753	0.0312	-0.0134
0.3297	0.2942	0.2521	0.2097	0.1668	0.1235	0.0798	0.0356	-0.0090
0.3341	0.2986	0.2566	0.2142	0.1713	0.1280	0.0843	0.0401	-0.0045
0.3386	0.3031	0.2611	0.2187	0.1758	0.1325	0.0888	0.0446	0
0.3431	0.3076	0.2656	0.2231	0.1803	0.1370	0.0932	0.0491	0.0045
0.3476	0.3121	0.2701	0.2276	0.1848	0.1415	0.0977	0.0536	0.0090
0.3521	0.3166	0.2746	0.2321	0.1892	0.1459	0.1022	0.0581	0.0135
0.3566	0.3211	0.2791	0.2366	0.1937	0.1504	0.1067	0.0626	0.0180
0.3611	0.3256	0.2836	0.2411	0.1982	0.1549	0.1112	0.0671	0.0225
0.3656	0.3301	0.2881	0.2456	0.2028	0.1595	0.1157	0.0716	0.0270
0.3701	0.3346	0.2926	0.2501	0.2073	0.1640	0.1202	0.0761	0.0315
0.3746	0.3391	0.2971	0.2546	0.2118	0.1685	0.1248	0.0806	0.0360
0.3791	0.3436	0.3016	0.2592	0.2163	0.1730	0.1293	0.0851	0.0405
0.3837	0.3481	0.3061	0.2637	0.2208	0.1775	0.1338	0.0896	0.0450
0.3882	0.3527	0.3107	0.2682	0.2253	0.1820	0.1383	0.0942	0.0496
0.3927	0.3572	0.3152	0.2727	0.2299	0.1866	0.1429	0.0987	0.0541
0.3973	0.3617	0.3197	0.2773	0.2344	0.1911	0.1474	0.1032	0.0586
0.4018	0.3663	0.3243	0.2818	0.2390	0.1957	0.1519	0.1078	0.0632
0.4063	0.3708	0.3288	0.2864	0.2435	0.2002	0.1565	0.1123	0.0677
0.4109	0.3754	0.3334	0.2909	0.2481	0.2048	0.1610	0.1169	0.0723
0.4154	0.3799	0.3379	0.2955	0.2526	0.2093	0.1656	0.1214	0.0768
0.4200	0.3845	0.3425	0.3000	0.2572	0.2139	0.1701	0.1260	0.0814
0.4246	0.3891	0.3470	0.3046	0.2617	0.2184	0.1747	0.1305	0.0859
0.4291	0.3936	0.3516	0.3092	0.2663	0.2230	0.1793	0.1351	0.0905
0.4337	0.3982	0.3562	0.3137	0.2709	0.2276	0.1839	0.1397	0.0951
0.4383	0.4028	0.3608	0.3183	0.2754	0.2321	0.1884	0.1443	0.0997
0.4429	0.4074	0.3653	0.3229	0.2800	0.2367	0.1930	0.1488	0.1042
0.4475	0.4119	0.3699	0.3275	0.2846	0.2413	0.1976	0.1534	0.1088
0.4520	0.4165	0.3745	0.3321	0.2892	0.2459	0.2022	0.1580	0.1134
0.4566	0.4211	0.3791	0.3367	0.2938	0.2505	0.2068	0.1626	0.1180
0.4612	0.4257	0.3837	0.3413	0.2984	0.2551	0.2114	0.1672	0.1226
0.4658	0.4303	0.3883	0.3459	0.3030	0.2597	0.2160	0.1718	0.1272
0.4704	0.4349	0.3929	0.3505	0.3076	0.2643	0.2206	0.1764	0.1318
0.4751	0.4396	0.3975	0.3551	0.3122	0.2689	0.2252	0.1810	0.1364
0.4797	0.4442	0.4021	0.3597	0.3168	0.2735	0.2298	0.1857	0.1411
0.4843	0.4488	0.4068	0.3643	0.3215	0.2782	0.2344	0.1903	0.1457
0.4889	0.4534	0.4114	0.3690	0.3261	0.2828	0.2391	0.1949	0.1503
0.4936	0.4580	0.4160	0.3736	0.3307	0.2874	0.2437	0.1995	0.1549
0.4982	0.4627	0.4207	0.3782	0.3354	0.2921	0.2483	0.2042	0.1596
0.5028	0.4673	0.4253	0.3829	0.3400	0.2967	0.2530	0.2088	0.1642

0.5075	0.4720	0.4299	0.3875	0.3446	0.3013	0.2576	0.2135	0.1689
0.5121	0.4766	0.4346	0.3922	0.3493	0.3060	0.2623	0.2181	0.1735
0.5168	0.4813	0.4392	0.3968	0.3539	0.3106	0.2669	0.2228	0.1782
0.5214	0.4859	0.4439	0.4015	0.3586	0.3153	0.2716	0.2274	0.1828
0.5261	0.4906	0.4486	0.4061	0.3633	0.3200	0.2762	0.2321	0.1875
0.5308	0.4953	0.4532	0.4108	0.3679	0.3246	0.2809	0.2367	0.1921
0.5354	0.4999	0.4579	0.4155	0.3726	0.3293	0.2856	0.2414	0.1968
0.5401	0.5046	0.4626	0.4201	0.3773	0.3340	0.2902	0.2461	0.2015
0.5448	0.5093	0.4673	0.4248	0.3819	0.3386	0.2949	0.2508	0.2062
0.5495	0.5140	0.4719	0.4295	0.3866	0.3433	0.2996	0.2555	0.2109
0.5542	0.5187	0.4766	0.4342	0.3913	0.3480	0.3043	0.2601	0.2155
0.5589	0.5233	0.4813	0.4389	0.3960	0.3527	0.3090	0.2648	0.2202
0.5636	0.5280	0.4860	0.4436	0.4007	0.3574	0.3137	0.2695	0.2249
0.5683	0.5327	0.4907	0.4483	0.4054	0.3621	0.3184	0.2742	0.2296
0.5730	0.5375	0.4954	0.4530	0.4101	0.3668	0.3231	0.2789	0.2343
0.5777	0.5422	0.5001	0.4577	0.4148	0.3715	0.3278	0.2837	0.2391
0.5824	0.5469	0.5049	0.4624	0.4195	0.3762	0.3325	0.2884	0.2438
0.5871	0.5516	0.5096	0.4671	0.4243	0.3810	0.3373	0.2931	0.2485
0.5918	0.5563	0.5143	0.4719	0.4290	0.3857	0.3420	0.2978	0.2532
0.5966	0.5611	0.5190	0.4766	0.4337	0.3904	0.3467	0.3025	0.2579
0.6013	0.5658	0.5238	0.4813	0.4385	0.3952	0.3514	0.3073	0.2627
0.6060	0.5705	0.5285	0.4861	0.4432	0.3999	0.3562	0.3120	0.2674
0.6108	0.5753	0.5333	0.4908	0.4479	0.4046	0.3609	0.3168	0.2722
0.6155	0.5800	0.5380	0.4956	0.4527	0.4094	0.3657	0.3215	0.2769
0.6203	0.5848	0.5428	0.5003	0.4574	0.4141	0.3704	0.3263	0.2817
0.6250	0.5895	0.5475	0.5051	0.4622	0.4189	0.3752	0.3310	0.2864
0.6298	0.5943	0.5523	0.5098	0.4670	0.4237	0.3799	0.3358	0.2912
0.6346	0.5991	0.5570	0.5146	0.4717	0.4284	0.3847	0.3405	0.2959
0.6393	0.6038	0.5618	0.5194	0.4765	0.4332	0.3895	0.3453	0.3007
0.6441	0.6086	0.5666	0.5241	0.4813	0.4380	0.3943	0.3501	0.3055
0.6489	0.6134	0.5714	0.5289	0.4861	0.4428	0.3990	0.3549	0.3103
0.6537	0.6182	0.5761	0.5337	0.4908	0.4475	0.4038	0.3597	0.3151
0.6585	0.6230	0.5809	0.5385	0.4956	0.4523	0.4086	0.3644	0.3198
0.6633	0.6278	0.5857	0.5433	0.5004	0.4571	0.4134	0.3692	0.3246
0.6681	0.6326	0.5905	0.5481	0.5052	0.4619	0.4182	0.3740	0.3294
0.6729	0.6374	0.5953	0.5529	0.5100	0.4667	0.4230	0.3788	0.3342
0.6777	0.6422	0.6001	0.5577	0.5148	0.4715	0.4278	0.3837	0.3391
0.6825	0.6470	0.6050	0.5625	0.5196	0.4763	0.4326	0.3885	0.3439
0.6873	0.6518	0.6098	0.5673	0.5245	0.4812	0.4374	0.3933	0.3487
0.6921	0.6566	0.6146	0.5722	0.5293	0.4860	0.4423	0.3981	0.3535
0.6969	0.6614	0.6194	0.5770	0.5341	0.4908	0.4471	0.4029	0.3583
0.7018	0.6663	0.6243	0.5818	0.5389	0.4956	0.4519	0.4078	0.3632
0.7066	0.6711	0.6291	0.5866	0.5438	0.5005	0.4568	0.4126	0.3680
0.7115	0.6759	0.6339	0.5915	0.5486	0.5053	0.4616	0.4174	0.3728
0.7163	0.6808	0.6388	0.5963	0.5535	0.5102	0.4664	0.4223	0.3777
0.7211	0.6856	0.6436	0.6012	0.5583	0.5150	0.4713	0.4271	0.3825
0.7260	0.6905	0.6485	0.6060	0.5632	0.5199	0.4761	0.4320	0.3874
0.7309	0.6954	0.6533	0.6109	0.5680	0.5247	0.4810	0.4368	0.3922
0.7357	0.7002	0.6582	0.6158	0.5729	0.5296	0.4859	0.4417	0.3971
0.7406	0.7051	0.6631	0.6206	0.5778	0.5345	0.4907	0.4466	0.4020

0.7455	0.7100	0.6679	0.6255	0.5826	0.5393	0.4956	0.4514	0.4068
0.7503	0.7148	0.6728	0.6304	0.5875	0.5442	0.5005	0.4563	0.4117
0.7552	0.7197	0.6777	0.6353	0.5924	0.5491	0.5054	0.4612	0.4166
0.7601	0.7246	0.6826	0.6401	0.5973	0.5540	0.5103	0.4661	0.4215
0.7650	0.7295	0.6875	0.6450	0.6022	0.5589	0.5151	0.4710	0.4264
0.7699	0.7344	0.6924	0.6499	0.6071	0.5638	0.5200	0.4759	0.4313
0.7748	0.7393	0.6973	0.6548	0.6120	0.5687	0.5249	0.4808	0.4362
0.7797	0.7442	0.7022	0.6597	0.6169	0.5736	0.5298	0.4857	0.4411
0.7846	0.7491	0.7071	0.6646	0.6218	0.5785	0.5348	0.4906	0.4460
0.7895	0.7540	0.7120	0.6696	0.6267	0.5834	0.5397	0.4955	0.4509
0.7944	0.7589	0.7169	0.6745	0.6316	0.5883	0.5446	0.5004	0.4558
0.7994	0.7639	0.7218	0.6794	0.6365	0.5932	0.5495	0.5054	0.4608
0.8043	0.7688	0.7268	0.6843	0.6415	0.5982	0.5544	0.5103	0.4657
0.8092	0.7737	0.7317	0.6893	0.6464	0.6031	0.5594	0.5152	0.4706
0.8142	0.7787	0.7366	0.6942	0.6513	0.6080	0.5643	0.5201	0.4755
0.8191	0.7836	0.7416	0.6991	0.6563	0.6130	0.5693	0.5251	0.4805
0.8241	0.7885	0.7465	0.7041	0.6612	0.6179	0.5742	0.5300	0.4854
0.8290	0.7935	0.7515	0.7090	0.6662	0.6229	0.5792	0.5350	0.4904
0.8340	0.7985	0.7564	0.7140	0.6711	0.6278	0.5841	0.5399	0.4953
0.8389	0.8034	0.7614	0.7190	0.6761	0.6328	0.5891	0.5449	0.5003
0.8439	0.8084	0.7664	0.7239	0.6811	0.6378	0.5940	0.5499	0.5053
0.8489	0.8134	0.7713	0.7289	0.6860	0.6427	0.5990	0.5548	0.5102
0.8538	0.8183	0.7763	0.7339	0.6910	0.6477	0.6040	0.5598	0.5152
0.8588	0.8233	0.7813	0.7389	0.6960	0.6527	0.6090	0.5648	0.5202
0.8638	0.8283	0.7863	0.7438	0.7010	0.6577	0.6139	0.5698	0.5252
0.8688	0.8333	0.7913	0.7488	0.7060	0.6627	0.6189	0.5748	0.5302
0.8738	0.8383	0.7963	0.7538	0.7109	0.6676	0.6239	0.5798	0.5352
0.8788	0.8433	0.8013	0.7588	0.7159	0.6726	0.6289	0.5848	0.5402
0.8838	0.8483	0.8063	0.7638	0.7210	0.6777	0.6339	0.5898	0.5452
0.8888	0.8533	0.8113	0.7688	0.7260	0.6827	0.6389	0.5948	0.5502
0.8938	0.8583	0.8163	0.7738	0.7310	0.6877	0.6440	0.5998	0.5552
0.8988	0.8633	0.8213	0.7789	0.7360	0.6927	0.6490	0.6048	0.5602
0.9039	0.8683	0.8263	0.7839	0.7410	0.6977	0.6540	0.6098	0.5652
0.9089	0.8734	0.8314	0.7889	0.7460	0.7027	0.6590	0.6149	0.5703
0.9594	0.9239	0.8819	0.8394	0.7966	0.7533	0.7096	0.6654	0.6208
1.0104	0.9749	0.9329	0.8905	0.8476	0.8043	0.7606	0.7164	0.6718
1.0619	1.0264	0.9844	0.9420	0.8991	0.8558	0.8121	0.7679	0.7233
1.1139	1.0784	1.0364	0.9939	0.9511	0.9078	0.8640	0.8199	0.7753
1.1664	1.1309	1.0888	1.0464	1.0035	0.9602	0.9165	0.8723	0.8277
1.2193	1.1838	1.1418	1.0993	1.0565	1.0132	0.9695	0.9253	0.8807
1.2728	1.2373	1.1952	1.1528	1.1099	1.0666	1.0229	0.9787	0.9341
1.3267	1.2912	1.2492	1.2067	1.1639	1.1206	1.0768	1.0327	0.9881
1.3811	1.3456	1.3036	1.2612	1.2183	1.1750	1.1313	1.0871	1.0425
1.4361	1.4006	1.3586	1.3161	1.2732	1.2299	1.1862	1.1421	1.0975
1.4915	1.4560	1.4140	1.3716	1.3287	1.2854	1.2417	1.1975	1.1529
1.5475	1.5120	1.4700	1.4275	1.3846	1.3413	1.2976	1.2535	1.2089
1.6039	1.5684	1.5264	1.4840	1.4411	1.3978	1.3541	1.3099	1.2653
1.6609	1.6254	1.5834	1.5410	1.4981	1.4548	1.4111	1.3669	1.3223
1.7184	1.6829	1.6409	1.5985	1.5556	1.5123	1.4686	1.4244	1.3798
1.7764	1.7409	1.6989	1.6565	1.6136	1.5703	1.5266	1.4824	1.4378

1.8350	1.7995	1.7575	1.7150	1.6721	1.6288	1.5851	1.5410	1.4964
1.8940	1.8585	1.8165	1.7741	1.7312	1.6879	1.6442	1.6000	1.5554
1.9536	1.9181	1.8761	1.8337	1.7908	1.7475	1.7038	1.6596	1.6150
2.0138	1.9783	1.9362	1.8938	1.8509	1.8076	1.7639	1.7198	1.6752
2.0744	2.0389	1.9969	1.9545	1.9116	1.8683	1.8246	1.7804	1.7358
2.1356	2.1001	2.0581	2.0157	1.9728	1.9295	1.8858	1.8416	1.7970
2.1974	2.1619	2.1199	2.0774	2.0346	1.9913	1.9475	1.9034	1.8588
2.2597	2.2242	2.1822	2.1397	2.0968	2.0535	2.0098	1.9657	1.9211
2.3225	2.2870	2.2450	2.2026	2.1597	2.1164	2.0727	2.0285	1.9839
2.3859	2.3504	2.3084	2.2660	2.2231	2.1798	2.1361	2.0919	2.0473
2.4499	2.4144	2.3723	2.3299	2.2870	2.2437	2.2000	2.1559	2.1113
2.5144	2.4789	2.4368	2.3944	2.3515	2.3082	2.2645	2.2204	2.1758
2.5794	2.5439	2.5019	2.4595	2.4166	2.3733	2.3296	2.2854	2.2408
2.6451	2.6096	2.5676	2.5251	2.4822	2.4389	2.3952	2.3511	2.3065
2.7113	2.6758	2.6338	2.5913	2.5484	2.5051	2.4614	2.4173	2.3727
2.7781	2.7425	2.7005	2.6581	2.6152	2.5719	2.5282	2.4840	2.4394
2.8454	2.8099	2.7679	2.7254	2.6826	2.6393	2.5955	2.5514	2.5068
2.9133	2.8778	2.8358	2.7934	2.7505	2.7072	2.6635	2.6193	2.5747
2.9818	2.9463	2.9043	2.8619	2.8190	2.7757	2.7320	2.6878	2.6432
3.0509	3.0154	2.9734	2.9310	2.8881	2.8448	2.8011	2.7569	2.7123
3.1206	3.0851	3.0431	3.0006	2.9578	2.9145	2.8708	2.8266	2.7820
3.1909	3.1554	3.1134	3.0709	3.0280	2.9847	2.9410	2.8969	2.8523
3.2618	3.2262	3.1842	3.1418	3.0989	3.0556	3.0119	2.9677	2.9231
3.3332	3.2977	3.2557	3.2133	3.1704	3.1271	3.0834	3.0392	2.9946
3.4053	3.3698	3.3278	3.2853	3.2424	3.1991	3.1554	3.1113	3.0667
3.4780	3.4425	3.4004	3.3580	3.3151	3.2718	3.2281	3.1839	3.1393
3.5512	3.5157	3.4737	3.4313	3.3884	3.3451	3.3014	3.2572	3.2126
3.6251	3.5896	3.5476	3.5052	3.4623	3.4190	3.3753	3.3311	3.2865
3.6996	3.6641	3.6221	3.5797	3.5368	3.4935	3.4498	3.4056	3.3610
3.7748	3.7393	3.6972	3.6548	3.6119	3.5686	3.5249	3.4807	3.4361
3.8505	3.8150	3.7730	3.7305	3.6877	3.6444	3.6006	3.5565	3.5119
3.9269	3.8914	3.8493	3.8069	3.7640	3.7207	3.6770	3.6329	3.5883
4.0039	3.9684	3.9263	3.8839	3.8410	3.7977	3.7540	3.7099	3.6653
4.0815	4.0460	4.0040	3.9615	3.9187	3.8754	3.8316	3.7875	3.7429
4.1598	4.1243	4.0822	4.0398	3.9969	3.9536	3.9099	3.8658	3.8212
4.2387	4.2032	4.1612	4.1187	4.0758	4.0325	3.9888	3.9447	3.9001
4.3182	4.2827	4.2407	4.1983	4.1554	4.1121	4.0684	4.0242	3.9796
4.3984	4.3629	4.3209	4.2785	4.2356	4.1923	4.1486	4.1044	4.0598
4.4793	4.4438	4.4017	4.3593	4.3164	4.2731	4.2294	4.1852	4.1406

34	35	36	37	38	39	40	41	42
-1.3015	-1.3469	-1.3929	-1.4392	-1.4861	-1.5333	-1.5811	-1.6293	-1.6779
-1.2695	-1.3149	-1.3609	-1.4072	-1.4541	-1.5013	-1.5491	-1.5973	-1.6459
-1.2371	-1.2826	-1.3285	-1.3749	-1.4217	-1.4690	-1.5167	-1.5649	-1.6136
-1.2044	-1.2499	-1.2958	-1.3422	-1.3890	-1.4363	-1.4840	-1.5322	-1.5809
-1.1713	-1.2168	-1.2627	-1.3091	-1.3559	-1.4032	-1.4509	-1.4991	-1.5478
-1.1379	-1.1834	-1.2293	-1.2757	-1.3225	-1.3698	-1.4175	-1.4657	-1.5144
-1.1041	-1.1496	-1.1955	-1.2419	-1.2887	-1.3360	-1.3837	-1.4319	-1.4806
-1.0700	-1.1155	-1.1614	-1.2078	-1.2546	-1.3019	-1.3496	-1.3978	-1.4464
-1.0355	-1.0809	-1.1269	-1.1732	-1.2201	-1.2673	-1.3151	-1.3633	-1.4119
-1.0006	-1.0460	-1.0920	-1.1383	-1.1852	-1.2324	-1.2802	-1.3284	-1.3770
-0.9653	-1.0108	-1.0567	-1.1031	-1.1499	-1.1972	-1.2449	-1.2931	-1.3418
-0.9297	-0.9751	-1.0211	-1.0674	-1.1143	-1.1615	-1.2093	-1.2575	-1.3061
-0.8936	-0.9391	-0.9851	-1.0314	-1.0782	-1.1255	-1.1733	-1.2214	-1.2701
-0.8572	-0.9027	-0.9487	-0.9950	-1.0418	-1.0891	-1.1369	-1.1850	-1.2337
-0.8205	-0.8659	-0.9119	-0.9582	-1.0051	-1.0523	-1.1001	-1.1483	-1.1969
-0.7833	-0.8288	-0.8747	-0.9211	-0.9679	-1.0152	-1.0629	-1.1111	-1.1598
-0.7457	-0.7912	-0.8371	-0.8835	-0.9303	-0.9776	-1.0253	-1.0735	-1.1222
-0.7078	-0.7533	-0.7992	-0.8456	-0.8924	-0.9397	-0.9874	-1.0356	-1.0842
-0.6694	-0.7149	-0.7608	-0.8072	-0.8540	-0.9013	-0.9490	-0.9972	-1.0459
-0.6307	-0.6762	-0.7221	-0.7685	-0.8153	-0.8626	-0.9103	-0.9585	-1.0072
-0.5916	-0.6370	-0.6830	-0.7293	-0.7762	-0.8234	-0.8712	-0.9194	-0.9680
-0.5520	-0.5975	-0.6434	-0.6898	-0.7366	-0.7839	-0.8316	-0.8798	-0.9285
-0.5121	-0.5575	-0.6035	-0.6498	-0.6967	-0.7439	-0.7917	-0.8399	-0.8885
-0.4717	-0.5172	-0.5631	-0.6095	-0.6563	-0.7036	-0.7513	-0.7995	-0.8482
-0.4309	-0.4764	-0.5223	-0.5687	-0.6155	-0.6628	-0.7105	-0.7587	-0.8074
-0.3837	-0.4291	-0.4751	-0.5214	-0.5683	-0.6155	-0.6633	-0.7115	-0.7601
-0.3481	-0.3936	-0.4396	-0.4859	-0.5327	-0.5800	-0.6278	-0.6759	-0.7246
-0.3061	-0.3516	-0.3975	-0.4439	-0.4907	-0.5380	-0.5857	-0.6339	-0.6826
-0.2637	-0.3092	-0.3551	-0.4015	-0.4483	-0.4956	-0.5433	-0.5915	-0.6401
-0.2208	-0.2663	-0.3122	-0.3586	-0.4054	-0.4527	-0.5004	-0.5486	-0.5973
-0.1775	-0.2230	-0.2689	-0.3153	-0.3621	-0.4094	-0.4571	-0.5053	-0.5540
-0.1732	-0.2186	-0.2646	-0.3109	-0.3578	-0.4050	-0.4528	-0.5010	-0.5496
-0.1688	-0.2143	-0.2602	-0.3066	-0.3534	-0.4007	-0.4484	-0.4966	-0.5453
-0.1644	-0.2099	-0.2559	-0.3022	-0.3490	-0.3963	-0.4441	-0.4922	-0.5409
-0.1601	-0.2056	-0.2515	-0.2979	-0.3447	-0.3920	-0.4397	-0.4879	-0.5365
-0.1557	-0.2012	-0.2471	-0.2935	-0.3403	-0.3876	-0.4353	-0.4835	-0.5322
-0.1513	-0.1968	-0.2427	-0.2891	-0.3359	-0.3832	-0.4309	-0.4791	-0.5278
-0.1470	-0.1924	-0.2384	-0.2847	-0.3316	-0.3788	-0.4266	-0.4748	-0.5234
-0.1426	-0.1881	-0.2340	-0.2804	-0.3272	-0.3745	-0.4222	-0.4704	-0.5190
-0.1382	-0.1837	-0.2296	-0.2760	-0.3228	-0.3701	-0.4178	-0.4660	-0.5146
-0.1338	-0.1793	-0.2252	-0.2716	-0.3184	-0.3657	-0.4134	-0.4616	-0.5103
-0.1294	-0.1749	-0.2208	-0.2672	-0.3140	-0.3613	-0.4090	-0.4572	-0.5059
-0.1250	-0.1705	-0.2164	-0.2628	-0.3096	-0.3569	-0.4046	-0.4528	-0.5015
-0.1206	-0.1661	-0.2120	-0.2584	-0.3052	-0.3525	-0.4002	-0.4484	-0.4971
-0.1162	-0.1617	-0.2076	-0.2540	-0.3008	-0.3481	-0.3958	-0.4440	-0.4926
-0.1118	-0.1572	-0.2032	-0.2495	-0.2964	-0.3436	-0.3914	-0.4396	-0.4882
-0.1073	-0.1528	-0.1988	-0.2451	-0.2919	-0.3392	-0.3870	-0.4351	-0.4838

-0.1029	-0.1484	-0.1943	-0.2407	-0.2875	-0.3348	-0.3825	-0.4307	-0.4794
-0.0985	-0.1440	-0.1899	-0.2363	-0.2831	-0.3304	-0.3781	-0.4263	-0.4750
-0.0941	-0.1395	-0.1855	-0.2318	-0.2787	-0.3259	-0.3737	-0.4219	-0.4705
-0.0896	-0.1351	-0.1810	-0.2274	-0.2742	-0.3215	-0.3692	-0.4174	-0.4661
-0.0852	-0.1307	-0.1766	-0.2230	-0.2698	-0.3171	-0.3648	-0.4130	-0.4617
-0.0807	-0.1262	-0.1722	-0.2185	-0.2653	-0.3126	-0.3604	-0.4085	-0.4572
-0.0763	-0.1218	-0.1677	-0.2141	-0.2609	-0.3082	-0.3559	-0.4041	-0.4528
-0.0718	-0.1173	-0.1633	-0.2096	-0.2564	-0.3037	-0.3515	-0.3996	-0.4483
-0.0674	-0.1129	-0.1588	-0.2052	-0.2520	-0.2993	-0.3470	-0.3952	-0.4438
-0.0629	-0.1084	-0.1543	-0.2007	-0.2475	-0.2948	-0.3425	-0.3907	-0.4394
-0.0585	-0.1039	-0.1499	-0.1962	-0.2431	-0.2903	-0.3381	-0.3863	-0.4349
-0.0540	-0.0995	-0.1454	-0.1918	-0.2386	-0.2859	-0.3336	-0.3818	-0.4305
-0.0495	-0.0950	-0.1409	-0.1873	-0.2341	-0.2814	-0.3291	-0.3773	-0.4260
-0.0450	-0.0905	-0.1364	-0.1828	-0.2296	-0.2769	-0.3246	-0.3728	-0.4215
-0.0406	-0.0860	-0.1320	-0.1783	-0.2252	-0.2724	-0.3202	-0.3684	-0.4170
-0.0361	-0.0815	-0.1275	-0.1738	-0.2207	-0.2679	-0.3157	-0.3639	-0.4125
-0.0316	-0.0771	-0.1230	-0.1694	-0.2162	-0.2635	-0.3112	-0.3594	-0.4080
-0.0271	-0.0726	-0.1185	-0.1649	-0.2117	-0.2590	-0.3067	-0.3549	-0.4035
-0.0226	-0.0681	-0.1140	-0.1604	-0.2072	-0.2545	-0.3022	-0.3504	-0.3990
-0.0181	-0.0635	-0.1095	-0.1558	-0.2027	-0.2499	-0.2977	-0.3459	-0.3945
-0.0136	-0.0590	-0.1050	-0.1513	-0.1982	-0.2454	-0.2932	-0.3414	-0.3900
-0.0090	-0.0545	-0.1005	-0.1468	-0.1936	-0.2409	-0.2887	-0.3368	-0.3855
-0.0045	-0.0500	-0.0959	-0.1423	-0.1891	-0.2364	-0.2841	-0.3323	-0.3810
0	-0.0455	-0.0914	-0.1378	-0.1846	-0.2319	-0.2796	-0.3278	-0.3765
0.0045	-0.0410	-0.0869	-0.1333	-0.1801	-0.2274	-0.2751	-0.3233	-0.3719
0.0091	-0.0364	-0.0824	-0.1287	-0.1755	-0.2228	-0.2706	-0.3187	-0.3674
0.0136	-0.0319	-0.0778	-0.1242	-0.1710	-0.2183	-0.2660	-0.3142	-0.3629
0.0181	-0.0273	-0.0733	-0.1196	-0.1665	-0.2137	-0.2615	-0.3097	-0.3583
0.0227	-0.0228	-0.0687	-0.1151	-0.1619	-0.2092	-0.2569	-0.3051	-0.3538
0.0272	-0.0182	-0.0642	-0.1105	-0.1574	-0.2046	-0.2524	-0.3006	-0.3492
0.0318	-0.0137	-0.0596	-0.1060	-0.1528	-0.2001	-0.2478	-0.2960	-0.3447
0.0364	-0.0091	-0.0551	-0.1014	-0.1483	-0.1955	-0.2433	-0.2915	-0.3401
0.0409	-0.0046	-0.0505	-0.0969	-0.1437	-0.1910	-0.2387	-0.2869	-0.3356
0.0455	0	-0.0459	-0.0923	-0.1391	-0.1864	-0.2341	-0.2823	-0.3310
0.0501	0.0046	-0.0414	-0.0877	-0.1345	-0.1818	-0.2296	-0.2777	-0.3264
0.0546	0.0091	-0.0368	-0.0831	-0.1300	-0.1773	-0.2250	-0.2732	-0.3218
0.0592	0.0137	-0.0322	-0.0786	-0.1254	-0.1727	-0.2204	-0.2686	-0.3173
0.0638	0.0183	-0.0276	-0.0740	-0.1208	-0.1681	-0.2158	-0.2640	-0.3127
0.0684	0.0229	-0.0230	-0.0694	-0.1162	-0.1635	-0.2112	-0.2594	-0.3081
0.0730	0.0275	-0.0184	-0.0648	-0.1116	-0.1589	-0.2066	-0.2548	-0.3035
0.0776	0.0321	-0.0138	-0.0602	-0.1070	-0.1543	-0.2020	-0.2502	-0.2989
0.0822	0.0367	-0.0092	-0.0556	-0.1024	-0.1497	-0.1974	-0.2456	-0.2943
0.0868	0.0413	-0.0046	-0.0510	-0.0978	-0.1451	-0.1928	-0.2410	-0.2897
0.0914	0.0459	0	-0.0464	-0.0932	-0.1405	-0.1882	-0.2364	-0.2851
0.0960	0.0505	0.0046	-0.0418	-0.0886	-0.1359	-0.1836	-0.2318	-0.2804
0.1006	0.0552	0.0092	-0.0371	-0.0840	-0.1312	-0.1790	-0.2272	-0.2758
0.1053	0.0598	0.0139	-0.0325	-0.0793	-0.1266	-0.1743	-0.2225	-0.2712
0.1099	0.0644	0.0185	-0.0279	-0.0747	-0.1220	-0.1697	-0.2179	-0.2666
0.1145	0.0691	0.0231	-0.0232	-0.0701	-0.1173	-0.1651	-0.2133	-0.2619
0.1192	0.0737	0.0278	-0.0186	-0.0654	-0.1127	-0.1604	-0.2086	-0.2573

0.1238	0.0783	0.0324	-0.0140	-0.0608	-0.1081	-0.1558	-0.2040	-0.2526
0.1285	0.0830	0.0371	-0.0093	-0.0561	-0.1034	-0.1511	-0.1993	-0.2480
0.1331	0.0876	0.0417	-0.0047	-0.0515	-0.0988	-0.1465	-0.1947	-0.2433
0.1378	0.0923	0.0464	0	-0.0468	-0.0941	-0.1418	-0.1900	-0.2387
0.1424	0.0970	0.0510	0.0047	-0.0422	-0.0894	-0.1372	-0.1854	-0.2340
0.1471	0.1016	0.0557	0.0093	-0.0375	-0.0848	-0.1325	-0.1807	-0.2294
0.1518	0.1063	0.0604	0.0140	-0.0328	-0.0801	-0.1278	-0.1760	-0.2247
0.1565	0.1110	0.0650	0.0187	-0.0282	-0.0754	-0.1232	-0.1714	-0.2200
0.1611	0.1157	0.0697	0.0234	-0.0235	-0.0708	-0.1185	-0.1667	-0.2153
0.1658	0.1203	0.0744	0.0280	-0.0188	-0.0661	-0.1138	-0.1620	-0.2106
0.1705	0.1250	0.0791	0.0327	-0.0141	-0.0614	-0.1091	-0.1573	-0.2060
0.1752	0.1297	0.0838	0.0374	-0.0094	-0.0567	-0.1044	-0.1526	-0.2013
0.1799	0.1344	0.0885	0.0421	-0.0047	-0.0520	-0.0997	-0.1479	-0.1966
0.1846	0.1391	0.0932	0.0468	0	-0.0473	-0.0950	-0.1432	-0.1919
0.1893	0.1438	0.0979	0.0515	0.0047	-0.0426	-0.0903	-0.1385	-0.1872
0.1940	0.1485	0.1026	0.0562	0.0094	-0.0379	-0.0856	-0.1338	-0.1824
0.1987	0.1533	0.1073	0.0610	0.0141	-0.0332	-0.0809	-0.1291	-0.1777
0.2035	0.1580	0.1121	0.0657	0.0189	-0.0284	-0.0761	-0.1243	-0.1730
0.2082	0.1627	0.1168	0.0704	0.0236	-0.0237	-0.0714	-0.1196	-0.1683
0.2129	0.1674	0.1215	0.0751	0.0283	-0.0190	-0.0667	-0.1149	-0.1636
0.2176	0.1722	0.1262	0.0799	0.0330	-0.0142	-0.0620	-0.1102	-0.1588
0.2224	0.1769	0.1310	0.0846	0.0378	-0.0095	-0.0572	-0.1054	-0.1541
0.2271	0.1817	0.1357	0.0894	0.0425	-0.0048	-0.0525	-0.1007	-0.1493
0.2319	0.1864	0.1405	0.0941	0.0473	0	-0.0477	-0.0959	-0.1446
0.2366	0.1912	0.1452	0.0989	0.0520	0.0048	-0.0430	-0.0912	-0.1398
0.2414	0.1959	0.1500	0.1036	0.0568	0.0095	-0.0382	-0.0864	-0.1351
0.2462	0.2007	0.1547	0.1084	0.0616	0.0143	-0.0335	-0.0817	-0.1303
0.2509	0.2054	0.1595	0.1131	0.0663	0.0190	-0.0287	-0.0769	-0.1256
0.2557	0.2102	0.1643	0.1179	0.0711	0.0238	-0.0239	-0.0721	-0.1208
0.2605	0.2150	0.1691	0.1227	0.0759	0.0286	-0.0192	-0.0673	-0.1160
0.2652	0.2198	0.1738	0.1275	0.0806	0.0334	-0.0144	-0.0626	-0.1112
0.2700	0.2245	0.1786	0.1322	0.0854	0.0381	-0.0096	-0.0578	-0.1064
0.2748	0.2293	0.1834	0.1370	0.0902	0.0429	-0.0048	-0.0530	-0.1017
0.2796	0.2341	0.1882	0.1418	0.0950	0.0477	0	-0.0482	-0.0969
0.2844	0.2389	0.1930	0.1466	0.0998	0.0525	0.0048	-0.0434	-0.0921
0.2892	0.2437	0.1978	0.1514	0.1046	0.0573	0.0096	-0.0386	-0.0872
0.2940	0.2485	0.2026	0.1562	0.1094	0.0621	0.0144	-0.0338	-0.0824
0.2988	0.2534	0.2074	0.1611	0.1142	0.0670	0.0192	-0.0290	-0.0776
0.3037	0.2582	0.2122	0.1659	0.1191	0.0718	0.0240	-0.0242	-0.0728
0.3085	0.2630	0.2171	0.1707	0.1239	0.0766	0.0289	-0.0193	-0.0680
0.3133	0.2678	0.2219	0.1755	0.1287	0.0814	0.0337	-0.0145	-0.0632
0.3181	0.2727	0.2267	0.1804	0.1335	0.0862	0.0385	-0.0097	-0.0583
0.3230	0.2775	0.2316	0.1852	0.1384	0.0911	0.0434	-0.0048	-0.0535
0.3278	0.2823	0.2364	0.1900	0.1432	0.0959	0.0482	0	-0.0487
0.3327	0.2872	0.2412	0.1949	0.1481	0.1008	0.0530	0.0049	-0.0438
0.3375	0.2920	0.2461	0.1997	0.1529	0.1056	0.0579	0.0097	-0.0390
0.3424	0.2969	0.2509	0.2046	0.1578	0.1105	0.0627	0.0146	-0.0341
0.3472	0.3017	0.2558	0.2094	0.1626	0.1153	0.0676	0.0194	-0.0293
0.3521	0.3066	0.2607	0.2143	0.1675	0.1202	0.0725	0.0243	-0.0244
0.3569	0.3115	0.2655	0.2192	0.1723	0.1251	0.0773	0.0291	-0.0195

0.3618	0.3163	0.2704	0.2240	0.1772	0.1299	0.0822	0.0340	-0.0146
0.3667	0.3212	0.2753	0.2289	0.1821	0.1348	0.0871	0.0389	-0.0098
0.3716	0.3261	0.2802	0.2338	0.1870	0.1397	0.0920	0.0438	-0.0049
0.3765	0.3310	0.2851	0.2387	0.1919	0.1446	0.0969	0.0487	0
0.3814	0.3359	0.2899	0.2436	0.1968	0.1495	0.1017	0.0536	0.0049
0.3862	0.3408	0.2948	0.2485	0.2016	0.1544	0.1066	0.0584	0.0098
0.3911	0.3457	0.2997	0.2534	0.2065	0.1593	0.1115	0.0633	0.0147
0.3961	0.3506	0.3046	0.2583	0.2115	0.1642	0.1164	0.0682	0.0196
0.4010	0.3555	0.3096	0.2632	0.2164	0.1691	0.1214	0.0732	0.0245
0.4059	0.3604	0.3145	0.2681	0.2213	0.1740	0.1263	0.0781	0.0294
0.4108	0.3653	0.3194	0.2730	0.2262	0.1789	0.1312	0.0830	0.0343
0.4157	0.3702	0.3243	0.2779	0.2311	0.1838	0.1361	0.0879	0.0393
0.4206	0.3752	0.3292	0.2829	0.2360	0.1888	0.1410	0.0928	0.0442
0.4256	0.3801	0.3342	0.2878	0.2410	0.1937	0.1460	0.0978	0.0491
0.4305	0.3850	0.3391	0.2927	0.2459	0.1986	0.1509	0.1027	0.0541
0.4355	0.3900	0.3441	0.2977	0.2509	0.2036	0.1559	0.1077	0.0590
0.4404	0.3949	0.3490	0.3026	0.2558	0.2085	0.1608	0.1126	0.0639
0.4454	0.3999	0.3540	0.3076	0.2608	0.2135	0.1658	0.1176	0.0689
0.4503	0.4048	0.3589	0.3125	0.2657	0.2184	0.1707	0.1225	0.0739
0.4553	0.4098	0.3639	0.3175	0.2707	0.2234	0.1757	0.1275	0.0788
0.4602	0.4148	0.3688	0.3225	0.2756	0.2284	0.1806	0.1324	0.0838
0.4652	0.4197	0.3738	0.3274	0.2806	0.2333	0.1856	0.1374	0.0888
0.4702	0.4247	0.3788	0.3324	0.2856	0.2383	0.1906	0.1424	0.0937
0.4752	0.4297	0.3838	0.3374	0.2906	0.2433	0.1956	0.1474	0.0987
0.4802	0.4347	0.3887	0.3424	0.2956	0.2483	0.2005	0.1524	0.1037
0.4851	0.4397	0.3937	0.3474	0.3005	0.2533	0.2055	0.1573	0.1087
0.4901	0.4447	0.3987	0.3524	0.3055	0.2583	0.2105	0.1623	0.1137
0.4951	0.4497	0.4037	0.3574	0.3105	0.2633	0.2155	0.1673	0.1187
0.5001	0.4547	0.4087	0.3624	0.3155	0.2683	0.2205	0.1723	0.1237
0.5052	0.4597	0.4137	0.3674	0.3206	0.2733	0.2255	0.1774	0.1287
0.5102	0.4647	0.4188	0.3724	0.3256	0.2783	0.2306	0.1824	0.1337
0.5152	0.4697	0.4238	0.3774	0.3306	0.2833	0.2356	0.1874	0.1387
0.5202	0.4747	0.4288	0.3824	0.3356	0.2883	0.2406	0.1924	0.1437
0.5252	0.4798	0.4338	0.3875	0.3406	0.2934	0.2456	0.1974	0.1488
0.5758	0.5303	0.4844	0.4380	0.3912	0.3439	0.2962	0.2480	0.1993
0.6268	0.5813	0.5354	0.4890	0.4422	0.3949	0.3472	0.2990	0.2503
0.6783	0.6328	0.5869	0.5405	0.4937	0.4464	0.3987	0.3505	0.3018
0.7302	0.6848	0.6388	0.5925	0.5456	0.4984	0.4506	0.4024	0.3538
0.7827	0.7372	0.6913	0.6449	0.5981	0.5508	0.5031	0.4549	0.4063
0.8357	0.7902	0.7443	0.6979	0.6511	0.6038	0.5561	0.5079	0.4592
0.8891	0.8436	0.7977	0.7513	0.7045	0.6572	0.6095	0.5613	0.5127
0.9431	0.8976	0.8516	0.8053	0.7585	0.7112	0.6634	0.6153	0.5666
0.9975	0.9520	0.9061	0.8597	0.8129	0.7656	0.7179	0.6697	0.6210
1.0524	1.0070	0.9610	0.9147	0.8678	0.8206	0.7728	0.7246	0.6760
1.1079	1.0624	1.0165	0.9701	0.9233	0.8760	0.8283	0.7801	0.7314
1.1638	1.1184	1.0724	1.0261	0.9792	0.9320	0.8842	0.8360	0.7874
1.2203	1.1748	1.1289	1.0825	1.0357	0.9884	0.9407	0.8925	0.8438
1.2773	1.2318	1.1859	1.1395	1.0927	1.0454	0.9977	0.9495	0.9008
1.3348	1.2893	1.2434	1.1970	1.1502	1.1029	1.0552	1.0070	0.9583
1.3928	1.3473	1.3014	1.2550	1.2082	1.1609	1.1132	1.0650	1.0163

1.4513	1.4059	1.3599	1.3136	1.2667	1.2195	1.1717	1.1235	1.0749
1.5104	1.4649	1.4190	1.3726	1.3258	1.2785	1.2308	1.1826	1.1339
1.5700	1.5245	1.4786	1.4322	1.3854	1.3381	1.2904	1.2422	1.1935
1.6301	1.5846	1.5387	1.4923	1.4455	1.3982	1.3505	1.3023	1.2537
1.6908	1.6453	1.5994	1.5530	1.5062	1.4589	1.4112	1.3630	1.3143
1.7520	1.7065	1.6606	1.6142	1.5674	1.5201	1.4724	1.4242	1.3755
1.8137	1.7683	1.7223	1.6760	1.6291	1.5819	1.5341	1.4859	1.4373
1.8760	1.8306	1.7846	1.7383	1.6914	1.6442	1.5964	1.5482	1.4996
1.9389	1.8934	1.8475	1.8011	1.7543	1.7070	1.6593	1.6111	1.5624
2.0023	1.9568	1.9109	1.8645	1.8177	1.7704	1.7227	1.6745	1.6258
2.0662	2.0207	1.9748	1.9284	1.8816	1.8343	1.7866	1.7384	1.6898
2.1307	2.0852	2.0393	1.9929	1.9461	1.8988	1.8511	1.8029	1.7543
2.1958	2.1503	2.1044	2.0580	2.0112	1.9639	1.9162	1.8680	1.8193
2.2614	2.2160	2.1700	2.1237	2.0768	2.0296	1.9818	1.9336	1.8850
2.3276	2.2822	2.2362	2.1899	2.1430	2.0958	2.0480	1.9998	1.9512
2.3944	2.3489	2.3030	2.2566	2.2098	2.1625	2.1148	2.0666	2.0179
2.4618	2.4163	2.3703	2.3240	2.2772	2.2299	2.1821	2.1340	2.0853
2.5297	2.4842	2.4383	2.3919	2.3451	2.2978	2.2501	2.2019	2.1532
2.5982	2.5527	2.5068	2.4604	2.4136	2.3663	2.3186	2.2704	2.2217
2.6673	2.6218	2.5759	2.5295	2.4827	2.4354	2.3877	2.3395	2.2908
2.7370	2.6915	2.6456	2.5992	2.5524	2.5051	2.4574	2.4092	2.3605
2.8072	2.7618	2.7158	2.6695	2.6226	2.5754	2.5276	2.4794	2.4308
2.8781	2.8326	2.7867	2.7403	2.6935	2.6462	2.5985	2.5503	2.5016
2.9496	2.9041	2.8582	2.8118	2.7650	2.7177	2.6700	2.6218	2.5731
3.0216	2.9762	2.9302	2.8839	2.8370	2.7898	2.7420	2.6938	2.6452
3.0943	3.0488	3.0029	2.9565	2.9097	2.8624	2.8147	2.7665	2.7179
3.1676	3.1221	3.0762	3.0298	2.9830	2.9357	2.8880	2.8398	2.7911
3.2415	3.1960	3.1501	3.1037	3.0569	3.0096	2.9619	2.9137	2.8650
3.3160	3.2705	3.2246	3.1782	3.1314	3.0841	3.0364	2.9882	2.9395
3.3911	3.3456	3.2997	3.2533	3.2065	3.1592	3.1115	3.0633	3.0147
3.4669	3.4214	3.3754	3.3291	3.2823	3.2350	3.1872	3.1391	3.0904
3.5432	3.4977	3.4518	3.4054	3.3586	3.3113	3.2636	3.2154	3.1668
3.6202	3.5747	3.5288	3.4824	3.4356	3.3883	3.3406	3.2924	3.2438
3.6979	3.6524	3.6064	3.5601	3.5133	3.4660	3.4182	3.3701	3.3214
3.7761	3.7306	3.6847	3.6383	3.5915	3.5442	3.4965	3.4483	3.3997
3.8550	3.8096	3.7636	3.7173	3.6704	3.6232	3.5754	3.5272	3.4786
3.9346	3.8891	3.8432	3.7968	3.7500	3.7027	3.6550	3.6068	3.5581
4.0148	3.9693	3.9234	3.8770	3.8302	3.7829	3.7352	3.6870	3.6383
4.0956	4.0501	4.0042	3.9578	3.9110	3.8637	3.8160	3.7678	3.7192

43	44	45	46	47	48	49	50	51
-1.7270	-1.7766	-1.8267	-1.8772	-1.9282	-1.9797	-2.0317	-2.0842	-2.1371
-1.6950	-1.7446	-1.7947	-1.8452	-1.8962	-1.9477	-1.9997	-2.0522	-2.1051
-1.6627	-1.7123	-1.7623	-1.8129	-1.8639	-1.9154	-1.9673	-2.0198	-2.0728
-1.6300	-1.6796	-1.7296	-1.7802	-1.8312	-1.8827	-1.9346	-1.9871	-2.0401
-1.5969	-1.6465	-1.6966	-1.7471	-1.7981	-1.8496	-1.9016	-1.9540	-2.0070
-1.5635	-1.6131	-1.6631	-1.7137	-1.7647	-1.8162	-1.8681	-1.9206	-1.9736
-1.5297	-1.5793	-1.6294	-1.6799	-1.7309	-1.7824	-1.8344	-1.8868	-1.9398
-1.4956	-1.5451	-1.5952	-1.6457	-1.6967	-1.7482	-1.8002	-1.8527	-1.9056
-1.4610	-1.5106	-1.5607	-1.6112	-1.6622	-1.7137	-1.7657	-1.8182	-1.8711
-1.4261	-1.4757	-1.5258	-1.5763	-1.6273	-1.6788	-1.7308	-1.7833	-1.8362
-1.3909	-1.4405	-1.4905	-1.5411	-1.5921	-1.6436	-1.6955	-1.7480	-1.8010
-1.3552	-1.4048	-1.4549	-1.5054	-1.5564	-1.6079	-1.6599	-1.7124	-1.7653
-1.3192	-1.3688	-1.4189	-1.4694	-1.5204	-1.5719	-1.6239	-1.6764	-1.7293
-1.2828	-1.3324	-1.3825	-1.4330	-1.4840	-1.5355	-1.5875	-1.6400	-1.6929
-1.2460	-1.2956	-1.3457	-1.3962	-1.4472	-1.4987	-1.5507	-1.6032	-1.6561
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-1.1713	-1.2209	-1.2710	-1.3215	-1.3725	-1.4240	-1.4760	-1.5284	-1.5814
-1.1334	-1.1830	-1.2330	-1.2835	-1.3346	-1.3861	-1.4380	-1.4905	-1.5434
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-1.0563	-1.1059	-1.1559	-1.2065	-1.2575	-1.3090	-1.3609	-1.4134	-1.4664
-1.0171	-1.0667	-1.1168	-1.1673	-1.2183	-1.2698	-1.3218	-1.3743	-1.4272
-0.9776	-1.0272	-1.0772	-1.1278	-1.1788	-1.2303	-1.2822	-1.3347	-1.3877
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-0.8973	-0.9469	-0.9969	-1.0475	-1.0985	-1.1500	-1.2019	-1.2544	-1.3074
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-0.4930	-0.5426	-0.5926	-0.6431	-0.6942	-0.7457	-0.7976	-0.8501	-0.9030
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-0.3203	-0.3699	-0.4200	-0.4705	-0.5215	-0.5730	-0.6250	-0.6774	-0.7304
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-0.3018	-0.3514	-0.4014	-0.4519	-0.5030	-0.5545	-0.6064	-0.6589	-0.7118
-0.2971	-0.3467	-0.3968	-0.4473	-0.4983	-0.5498	-0.6018	-0.6542	-0.7072
-0.2925	-0.3421	-0.3921	-0.4426	-0.4937	-0.5452	-0.5971	-0.6496	-0.7025
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-0.2738	-0.3234	-0.3735	-0.4240	-0.4750	-0.5265	-0.5785	-0.6309	-0.6839
-0.2691	-0.3187	-0.3688	-0.4193	-0.4703	-0.5218	-0.5738	-0.6263	-0.6792
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0.0198	-0.0298	-0.0799	-0.1304	-0.1814	-0.2329	-0.2849	-0.3374	-0.3903
0.0247	-0.0249	-0.0749	-0.1255	-0.1765	-0.2280	-0.2799	-0.3324	-0.3854
0.0297	-0.0199	-0.0700	-0.1205	-0.1715	-0.2230	-0.2750	-0.3274	-0.3804
0.0347	-0.0149	-0.0650	-0.1155	-0.1665	-0.2180	-0.2700	-0.3225	-0.3754
0.0396	-0.0100	-0.0600	-0.1106	-0.1616	-0.2131	-0.2650	-0.3175	-0.3705
0.0446	-0.0050	-0.0550	-0.1056	-0.1566	-0.2081	-0.2601	-0.3125	-0.3655
0.0496	0	-0.0501	-0.1006	-0.1516	-0.2031	-0.2551	-0.3075	-0.3605
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0.0746	0.0250	-0.0251	-0.0756	-0.1266	-0.1781	-0.2301	-0.2826	-0.3355
0.0796	0.0300	-0.0201	-0.0706	-0.1216	-0.1731	-0.2251	-0.2776	-0.3305
0.0846	0.0350	-0.0151	-0.0656	-0.1166	-0.1681	-0.2201	-0.2726	-0.3255
0.0896	0.0400	-0.0101	-0.0606	-0.1116	-0.1631	-0.2151	-0.2675	-0.3205
0.0946	0.0450	-0.0050	-0.0556	-0.1066	-0.1581	-0.2100	-0.2625	-0.3155
0.0997	0.0501	0	-0.0505	-0.1015	-0.1530	-0.2050	-0.2575	-0.3104
0.1502	0.1006	0.0505	0	-0.0510	-0.1025	-0.1545	-0.2070	-0.2599
0.2012	0.1516	0.1015	0.0510	0	-0.0515	-0.1035	-0.1559	-0.2089
0.2527	0.2031	0.1530	0.1025	0.0515	0	-0.0520	-0.1044	-0.1574
0.3047	0.2551	0.2050	0.1545	0.1035	0.0520	0	-0.0525	-0.1054
0.3571	0.3075	0.2575	0.2070	0.1559	0.1044	0.0525	0	-0.0529
0.4101	0.3605	0.3104	0.2599	0.2089	0.1574	0.1054	0.0529	0
0.4635	0.4139	0.3639	0.3134	0.2623	0.2108	0.1589	0.1064	0.0535
0.5175	0.4679	0.4178	0.3673	0.3163	0.2648	0.2128	0.1603	0.1074
0.5719	0.5223	0.4723	0.4217	0.3707	0.3192	0.2673	0.2148	0.1618
0.6269	0.5773	0.5272	0.4767	0.4257	0.3742	0.3222	0.2697	0.2168
0.6823	0.6327	0.5827	0.5321	0.4811	0.4296	0.3776	0.3252	0.2722
0.7383	0.6887	0.6386	0.5881	0.5371	0.4856	0.4336	0.3811	0.3282
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0.8517	0.8021	0.7520	0.7015	0.6505	0.5990	0.5470	0.4946	0.4416
0.9092	0.8596	0.8095	0.7590	0.7080	0.6565	0.6045	0.5521	0.4991
0.9672	0.9176	0.8676	0.8170	0.7660	0.7145	0.6626	0.6101	0.5571

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1.0848	1.0352	0.9852	0.9346	0.8836	0.8321	0.7802	0.7277	0.6747
1.1444	1.0948	1.0448	0.9942	0.9432	0.8917	0.8398	0.7873	0.7343
1.2045	1.1550	1.1049	1.0544	1.0034	0.9519	0.8999	0.8474	0.7945
1.2652	1.2156	1.1656	1.1150	1.0640	1.0125	0.9606	0.9081	0.8551
1.3264	1.2768	1.2268	1.1762	1.1252	1.0737	1.0218	0.9693	0.9163
1.3882	1.3386	1.2885	1.2380	1.1870	1.1355	1.0835	1.0310	0.9781
1.4505	1.4009	1.3508	1.3003	1.2493	1.1978	1.1458	1.0933	1.0404
1.5133	1.4637	1.4136	1.3631	1.3121	1.2606	1.2086	1.1562	1.1032
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1.6406	1.5911	1.5410	1.4905	1.4395	1.3880	1.3360	1.2835	1.2306
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3.0413	2.9917	2.9416	2.8911	2.8401	2.7886	2.7366	2.6841	2.6312
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3.1946	3.1451	3.0950	3.0445	2.9935	2.9420	2.8900	2.8375	2.7846
3.2723	3.2227	3.1726	3.1221	3.0711	3.0196	2.9676	2.9151	2.8622
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3.5090	3.4594	3.4094	3.3588	3.3078	3.2563	3.2043	3.1519	3.0989
3.5892	3.5396	3.4895	3.4390	3.3880	3.3365	3.2845	3.2321	3.1791
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-1.7096	-1.7635	-1.8179	-1.8729	-1.9283	-1.9843	-2.0407	-2.0977	-2.1552
-1.6724	-1.7263	-1.7808	-1.8357	-1.8912	-1.9471	-2.0036	-2.0606	-2.1181
-1.6348	-1.6888	-1.7432	-1.7982	-1.8536	-1.9096	-1.9660	-2.0230	-2.0805
-1.5969	-1.6508	-1.7053	-1.7602	-1.8157	-1.8716	-1.9281	-1.9851	-2.0426
-1.5585	-1.6125	-1.6669	-1.7219	-1.7773	-1.8333	-1.8897	-1.9467	-2.0042
-1.5198	-1.5737	-1.6282	-1.6831	-1.7386	-1.7945	-1.8510	-1.9080	-1.9655
-1.4807	-1.5346	-1.5890	-1.6440	-1.6994	-1.7554	-1.8118	-1.8688	-1.9263
-1.4411	-1.4951	-1.5495	-1.6044	-1.6599	-1.7158	-1.7723	-1.8293	-1.8868
-1.4012	-1.4551	-1.5095	-1.5645	-1.6199	-1.6759	-1.7323	-1.7893	-1.8468
-1.3608	-1.4147	-1.4692	-1.5241	-1.5796	-1.6355	-1.6920	-1.7490	-1.8065
-1.3200	-1.3740	-1.4284	-1.4834	-1.5388	-1.5948	-1.6512	-1.7082	-1.7657
-1.2728	-1.3267	-1.3811	-1.4361	-1.4915	-1.5475	-1.6039	-1.6609	-1.7184
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-1.1528	-1.2067	-1.2612	-1.3161	-1.3716	-1.4275	-1.4840	-1.5410	-1.5985
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-1.0666	-1.1206	-1.1750	-1.2299	-1.2854	-1.3413	-1.3978	-1.4548	-1.5123
-1.0623	-1.1162	-1.1707	-1.2256	-1.2810	-1.3370	-1.3935	-1.4504	-1.5079
-1.0579	-1.1119	-1.1663	-1.2212	-1.2767	-1.3326	-1.3891	-1.4461	-1.5036
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-1.0492	-1.1031	-1.1576	-1.2125	-1.2680	-1.3239	-1.3804	-1.4374	-1.4949
-1.0448	-1.0988	-1.1532	-1.2081	-1.2636	-1.3195	-1.3760	-1.4330	-1.4905
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-1.0185	-1.0724	-1.1269	-1.1818	-1.2373	-1.2932	-1.3497	-1.4067	-1.4642
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-1.0097	-1.0636	-1.1181	-1.1730	-1.2285	-1.2844	-1.3409	-1.3979	-1.4554
-1.0053	-1.0592	-1.1137	-1.1686	-1.2241	-1.2800	-1.3365	-1.3935	-1.4510
-1.0009	-1.0548	-1.1093	-1.1642	-1.2196	-1.2756	-1.3321	-1.3890	-1.4465
-0.9965	-1.0504	-1.1048	-1.1598	-1.2152	-1.2712	-1.3276	-1.3846	-1.4421

-0.9920	-1.0460	-1.1004	-1.1554	-1.2108	-1.2668	-1.3232	-1.3802	-1.4377
-0.9876	-1.0415	-1.0960	-1.1509	-1.2064	-1.2623	-1.3188	-1.3758	-1.4333
-0.9832	-1.0371	-1.0916	-1.1465	-1.2019	-1.2579	-1.3144	-1.3713	-1.4288
-0.9787	-1.0327	-1.0871	-1.1421	-1.1975	-1.2535	-1.3099	-1.3669	-1.4244
-0.9743	-1.0282	-1.0827	-1.1376	-1.1931	-1.2490	-1.3055	-1.3625	-1.4200
-0.9699	-1.0238	-1.0782	-1.1332	-1.1886	-1.2446	-1.3010	-1.3580	-1.4155
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-0.9610	-1.0149	-1.0693	-1.1243	-1.1797	-1.2357	-1.2921	-1.3491	-1.4066
-0.9565	-1.0104	-1.0649	-1.1198	-1.1753	-1.2312	-1.2877	-1.3447	-1.4022
-0.9520	-1.0060	-1.0604	-1.1154	-1.1708	-1.2268	-1.2832	-1.3402	-1.3977
-0.9476	-1.0015	-1.0560	-1.1109	-1.1663	-1.2223	-1.2788	-1.3357	-1.3932
-0.9431	-0.9970	-1.0515	-1.1064	-1.1619	-1.2178	-1.2743	-1.3313	-1.3888
-0.9386	-0.9926	-1.0470	-1.1019	-1.1574	-1.2133	-1.2698	-1.3268	-1.3843
-0.9341	-0.9881	-1.0425	-1.0975	-1.1529	-1.2089	-1.2653	-1.3223	-1.3798
-0.9297	-0.9836	-1.0380	-1.0930	-1.1484	-1.2044	-1.2608	-1.3178	-1.3753
-0.9252	-0.9791	-1.0336	-1.0885	-1.1439	-1.1999	-1.2564	-1.3133	-1.3708
-0.9207	-0.9746	-1.0291	-1.0840	-1.1395	-1.1954	-1.2519	-1.3088	-1.3663
-0.9162	-0.9701	-1.0246	-1.0795	-1.1350	-1.1909	-1.2474	-1.3043	-1.3618
-0.9117	-0.9656	-1.0201	-1.0750	-1.1305	-1.1864	-1.2429	-1.2998	-1.3573
-0.9072	-0.9611	-1.0156	-1.0705	-1.1259	-1.1819	-1.2384	-1.2953	-1.3528
-0.9027	-0.9566	-1.0110	-1.0660	-1.1214	-1.1774	-1.2338	-1.2908	-1.3483
-0.8982	-0.9521	-1.0065	-1.0615	-1.1169	-1.1729	-1.2293	-1.2863	-1.3438
-0.8936	-0.9476	-1.0020	-1.0570	-1.1124	-1.1684	-1.2248	-1.2818	-1.3393
-0.8891	-0.9431	-0.9975	-1.0524	-1.1079	-1.1638	-1.2203	-1.2773	-1.3348
-0.8846	-0.9385	-0.9930	-1.0479	-1.1034	-1.1593	-1.2158	-1.2727	-1.3302
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-0.8069	-0.8609	-0.9153	-0.9702	-1.0257	-1.0816	-1.1381	-1.1951	-1.2526
-0.8023	-0.8563	-0.9107	-0.9656	-1.0211	-1.0770	-1.1335	-1.1905	-1.2480
-0.7977	-0.8516	-0.9061	-0.9610	-1.0165	-1.0724	-1.1289	-1.1859	-1.2434
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-0.7838	-0.8378	-0.8922	-0.9472	-1.0026	-1.0586	-1.1150	-1.1720	-1.2295
-0.7792	-0.8332	-0.8876	-0.9425	-0.9980	-1.0539	-1.1104	-1.1674	-1.2249
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-0.7653	-0.8192	-0.8737	-0.9286	-0.9841	-1.0400	-1.0965	-1.1535	-1.2110
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-0.7560	-0.8099	-0.8644	-0.9193	-0.9748	-1.0307	-1.0872	-1.1442	-1.2017
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-0.4586	-0.5125	-0.5670	-0.6219	-0.6774	-0.7333	-0.7898	-0.8468	-0.9043
-0.4537	-0.5076	-0.5620	-0.6170	-0.6724	-0.7284	-0.7848	-0.8418	-0.8993
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-0.4139	-0.4679	-0.5223	-0.5773	-0.6327	-0.6887	-0.7451	-0.8021	-0.8596
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-0.4040	-0.4579	-0.5124	-0.5673	-0.6227	-0.6787	-0.7352	-0.7921	-0.8496
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-0.3134	-0.3673	-0.4217	-0.4767	-0.5321	-0.5881	-0.6445	-0.7015	-0.7590
-0.2623	-0.3163	-0.3707	-0.4257	-0.4811	-0.5371	-0.5935	-0.6505	-0.7080
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0.1633	0.1094	0.0549	0	-0.0555	-0.1114	-0.1679	-0.2248	-0.2823
0.2188	0.1648	0.1104	0.0555	0	-0.0559	-0.1124	-0.1694	-0.2269
0.2747	0.2208	0.1663	0.1114	0.0559	0	-0.0565	-0.1134	-0.1709
0.3312	0.2772	0.2228	0.1679	0.1124	0.0565	0	-0.0570	-0.1145
0.3882	0.3342	0.2798	0.2248	0.1694	0.1134	0.0570	0	-0.0575
0.4457	0.3917	0.3373	0.2823	0.2269	0.1709	0.1145	0.0575	0
0.5037	0.4497	0.3953	0.3404	0.2849	0.2290	0.1725	0.1155	0.0580

0.5622	0.5083	0.4538	0.3989	0.3435	0.2875	0.2310	0.1741	0.1166
0.6213	0.5673	0.5129	0.4580	0.4025	0.3466	0.2901	0.2331	0.1756
0.6809	0.6269	0.5725	0.5176	0.4621	0.4062	0.3497	0.2927	0.2352
0.7410	0.6871	0.6326	0.5777	0.5222	0.4663	0.4098	0.3529	0.2954
0.8017	0.7477	0.6933	0.6384	0.5829	0.5270	0.4705	0.4135	0.3560
0.8629	0.8089	0.7545	0.6996	0.6441	0.5882	0.5317	0.4747	0.4172
0.9246	0.8707	0.8163	0.7613	0.7059	0.6499	0.5935	0.5365	0.4790
0.9869	0.9330	0.8785	0.8236	0.7682	0.7122	0.6557	0.5988	0.5413
1.0498	0.9958	0.9414	0.8864	0.8310	0.7750	0.7186	0.6616	0.6041
1.1132	1.0592	1.0048	0.9498	0.8944	0.8384	0.7820	0.7250	0.6675
1.1771	1.1232	1.0687	1.0138	0.9583	0.9024	0.8459	0.7890	0.7315
1.2416	1.1877	1.1332	1.0783	1.0228	0.9669	0.9104	0.8535	0.7960
1.3067	1.2527	1.1983	1.1434	1.0879	1.0320	0.9755	0.9185	0.8610
1.3723	1.3184	1.2639	1.2090	1.1536	1.0976	1.0411	0.9842	0.9267
1.4385	1.3846	1.3301	1.2752	1.2198	1.1638	1.1073	1.0504	0.9929
1.5053	1.4514	1.3969	1.3420	1.2865	1.2306	1.1741	1.1171	1.0596
1.5726	1.5187	1.4643	1.4093	1.3539	1.2979	1.2415	1.1845	1.1270
1.6406	1.5866	1.5322	1.4773	1.4218	1.3659	1.3094	1.2524	1.1949
1.7091	1.6551	1.6007	1.5458	1.4903	1.4344	1.3779	1.3209	1.2634
1.7782	1.7242	1.6698	1.6149	1.5594	1.5035	1.4470	1.3900	1.3325
1.8479	1.7939	1.7395	1.6845	1.6291	1.5731	1.5167	1.4597	1.4022
1.9181	1.8642	1.8097	1.7548	1.6994	1.6434	1.5869	1.5300	1.4725
1.9890	1.9351	1.8806	1.8257	1.7702	1.7143	1.6578	1.6008	1.5433
2.0605	2.0065	1.9521	1.8971	1.8417	1.7857	1.7293	1.6723	1.6148
2.1325	2.0786	2.0241	1.9692	1.9138	1.8578	1.8013	1.7444	1.6869
2.2052	2.1513	2.0968	2.0419	1.9864	1.9305	1.8740	1.8170	1.7595
2.2785	2.2245	2.1701	2.1152	2.0597	2.0038	1.9473	1.8903	1.8328
2.3524	2.2984	2.2440	2.1891	2.1336	2.0777	2.0212	1.9642	1.9067
2.4269	2.3729	2.3185	2.2636	2.2081	2.1522	2.0957	2.0387	1.9812
2.5020	2.4481	2.3936	2.3387	2.2832	2.2273	2.1708	2.1138	2.0563
2.5777	2.5238	2.4694	2.4144	2.3590	2.3030	2.2466	2.1896	2.1321
2.6541	2.6002	2.5457	2.4908	2.4353	2.3794	2.3229	2.2660	2.2085
2.7311	2.6772	2.6227	2.5678	2.5123	2.4564	2.3999	2.3430	2.2855
2.8087	2.7548	2.7004	2.6454	2.5900	2.5340	2.4776	2.4206	2.3631
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2.9659	2.9120	2.8575	2.8026	2.7472	2.6912	2.6347	2.5778	2.5203
3.0455	2.9915	2.9371	2.8822	2.8267	2.7708	2.7143	2.6573	2.5998
3.1257	3.0717	3.0173	2.9623	2.9069	2.8509	2.7945	2.7375	2.6800
3.2065	3.1526	3.0981	3.0432	2.9877	2.9318	2.8753	2.8183	2.7608

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-2.1006	-2.1591	-2.2182	-2.2778	-2.3379	-2.3986	-2.4598	-2.5215	-2.5838
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-1.4957	-1.5543	-1.6133	-1.6729	-1.7330	-1.7937	-1.8549	-1.9167	-1.9790
-1.4913	-1.5498	-1.6089	-1.6685	-1.7286	-1.7893	-1.8505	-1.9122	-1.9745
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-1.4691	-1.5276	-1.5867	-1.6463	-1.7064	-1.7671	-1.8283	-1.8900	-1.9523
-1.4646	-1.5232	-1.5822	-1.6418	-1.7020	-1.7626	-1.8238	-1.8856	-1.9479
-1.4602	-1.5187	-1.5778	-1.6374	-1.6975	-1.7582	-1.8194	-1.8811	-1.9434
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-1.3519	-1.4104	-1.4695	-1.5291	-1.5892	-1.6499	-1.7111	-1.7728	-1.8351
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-1.3382	-1.3967	-1.4558	-1.5154	-1.5755	-1.6362	-1.6974	-1.7591	-1.8214
-1.3336	-1.3921	-1.4512	-1.5108	-1.5709	-1.6316	-1.6928	-1.7545	-1.8168
-1.3290	-1.3875	-1.4466	-1.5062	-1.5663	-1.6270	-1.6882	-1.7499	-1.8122
-1.3244	-1.3829	-1.4420	-1.5016	-1.5617	-1.6224	-1.6836	-1.7454	-1.8076
-1.3198	-1.3784	-1.4374	-1.4970	-1.5571	-1.6178	-1.6790	-1.7408	-1.8031
-1.3152	-1.3738	-1.4328	-1.4924	-1.5525	-1.6132	-1.6744	-1.7362	-1.7985
-1.3106	-1.3691	-1.4282	-1.4878	-1.5479	-1.6086	-1.6698	-1.7316	-1.7938
-1.3060	-1.3645	-1.4236	-1.4832	-1.5433	-1.6040	-1.6652	-1.7270	-1.7892
-1.3014	-1.3599	-1.4190	-1.4786	-1.5387	-1.5994	-1.6606	-1.7223	-1.7846
-1.2968	-1.3553	-1.4144	-1.4740	-1.5341	-1.5948	-1.6560	-1.7177	-1.7800
-1.2922	-1.3507	-1.4098	-1.4694	-1.5295	-1.5902	-1.6514	-1.7131	-1.7754
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-1.2783	-1.3368	-1.3959	-1.4555	-1.5156	-1.5763	-1.6375	-1.6992	-1.7615
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-1.2690	-1.3275	-1.3866	-1.4462	-1.5063	-1.5670	-1.6282	-1.6899	-1.7522
-1.2643	-1.3229	-1.3819	-1.4415	-1.5017	-1.5623	-1.6235	-1.6853	-1.7476
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-1.2504	-1.3089	-1.3680	-1.4276	-1.4877	-1.5484	-1.6096	-1.6713	-1.7336
-1.2457	-1.3042	-1.3633	-1.4229	-1.4830	-1.5437	-1.6049	-1.6666	-1.7289
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-1.2317	-1.2902	-1.3493	-1.4089	-1.4690	-1.5297	-1.5909	-1.6526	-1.7149
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-1.2176	-1.2761	-1.3352	-1.3948	-1.4549	-1.5156	-1.5768	-1.6385	-1.7008
-1.2129	-1.2714	-1.3305	-1.3901	-1.4502	-1.5109	-1.5721	-1.6338	-1.6961
-1.2082	-1.2667	-1.3258	-1.3854	-1.4455	-1.5062	-1.5674	-1.6291	-1.6914
-1.2035	-1.2620	-1.3211	-1.3807	-1.4408	-1.5015	-1.5627	-1.6244	-1.6867
-1.1988	-1.2573	-1.3164	-1.3760	-1.4361	-1.4968	-1.5580	-1.6197	-1.6820
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-1.1562	-1.2147	-1.2738	-1.3334	-1.3935	-1.4542	-1.5154	-1.5771	-1.6394
-1.1514	-1.2099	-1.2690	-1.3286	-1.3887	-1.4494	-1.5106	-1.5724	-1.6346
-1.1466	-1.2052	-1.2642	-1.3238	-1.3840	-1.4446	-1.5058	-1.5676	-1.6299
-1.1419	-1.2004	-1.2595	-1.3191	-1.3792	-1.4399	-1.5011	-1.5628	-1.6251
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-1.1036	-1.1621	-1.2212	-1.2808	-1.3409	-1.4016	-1.4628	-1.5245	-1.5868
-1.0988	-1.1573	-1.2164	-1.2760	-1.3361	-1.3968	-1.4580	-1.5197	-1.5820
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-1.0891	-1.1477	-1.2067	-1.2663	-1.3265	-1.3871	-1.4483	-1.5101	-1.5724
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-1.0017	-1.0602	-1.1193	-1.1789	-1.2390	-1.2997	-1.3609	-1.4226	-1.4849
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-0.9425	-1.0010	-1.0601	-1.1197	-1.1798	-1.2405	-1.3017	-1.3634	-1.4257
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0.4210	0.3624	0.3034	0.2438	0.1836	0.1230	0.0618	0	-0.0623
0.4832	0.4247	0.3656	0.3060	0.2459	0.1852	0.1240	0.0623	0
0.5461	0.4875	0.4285	0.3689	0.3088	0.2481	0.1869	0.1251	0.0628
0.6095	0.5509	0.4919	0.4323	0.3722	0.3115	0.2503	0.1885	0.1262
0.6734	0.6149	0.5558	0.4962	0.4361	0.3754	0.3142	0.2525	0.1902
0.7379	0.6794	0.6203	0.5607	0.5006	0.4399	0.3787	0.3170	0.2547
0.8030	0.7445	0.6854	0.6258	0.5657	0.5050	0.4438	0.3821	0.3198
0.8686	0.8101	0.7510	0.6914	0.6313	0.5706	0.5094	0.4477	0.3854
0.9348	0.8763	0.8172	0.7576	0.6975	0.6368	0.5756	0.5139	0.4516
1.0016	0.9431	0.8840	0.8244	0.7643	0.7036	0.6424	0.5807	0.5184
1.0690	1.0104	0.9514	0.8918	0.8316	0.7710	0.7098	0.6480	0.5857
1.1369	1.0784	1.0193	0.9597	0.8996	0.8389	0.7777	0.7159	0.6537
1.2054	1.1469	1.0878	1.0282	0.9681	0.9074	0.8462	0.7845	0.7222
1.2745	1.2160	1.1569	1.0973	1.0372	0.9765	0.9153	0.8535	0.7913
1.3442	1.2856	1.2266	1.1670	1.1068	1.0462	0.9850	0.9232	0.8609
1.4144	1.3559	1.2968	1.2372	1.1771	1.1164	1.0552	0.9935	0.9312
1.4853	1.4268	1.3677	1.3081	1.2480	1.1873	1.1261	1.0644	1.0021
1.5568	1.4982	1.4392	1.3796	1.3195	1.2588	1.1976	1.1358	1.0735
1.6288	1.5703	1.5112	1.4516	1.3915	1.3308	1.2696	1.2079	1.1456
1.7015	1.6430	1.5839	1.5243	1.4642	1.4035	1.3423	1.2806	1.2183
1.7748	1.7163	1.6572	1.5976	1.5375	1.4768	1.4156	1.3538	1.2916
1.8487	1.7902	1.7311	1.6715	1.6114	1.5507	1.4895	1.4277	1.3655
1.9232	1.8647	1.8056	1.7460	1.6859	1.6252	1.5640	1.5022	1.4400
1.9983	1.9398	1.8807	1.8211	1.7610	1.7003	1.6391	1.5774	1.5151
2.0741	2.0155	1.9565	1.8969	1.8367	1.7761	1.7149	1.6531	1.5908
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2.4622	2.4037	2.3446	2.2850	2.2249	2.1642	2.1030	2.0413	1.9790
2.5418	2.4833	2.4242	2.3646	2.3045	2.2438	2.1826	2.1208	2.0586
2.6220	2.5634	2.5044	2.4448	2.3847	2.3240	2.2628	2.2010	2.1387
2.7028	2.6443	2.5852	2.5256	2.4655	2.4048	2.3436	2.2819	2.2196

70	71	72	73	74	75	76	77	78
-3.2403	-3.3037	-3.3677	-3.4322	-3.4972	-3.5629	-3.6291	-3.6959	-3.7632
-3.2083	-3.2717	-3.3357	-3.4002	-3.4652	-3.5309	-3.5971	-3.6639	-3.7312
-3.1760	-3.2394	-3.3033	-3.3678	-3.4329	-3.4985	-3.5647	-3.6315	-3.6989
-3.1433	-3.2067	-3.2706	-3.3351	-3.4002	-3.4658	-3.5320	-3.5988	-3.6661
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-3.0088	-3.0722	-3.1362	-3.2007	-3.2658	-3.3314	-3.3976	-3.4644	-3.5317
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-2.9394	-3.0028	-3.0668	-3.1313	-3.1964	-3.2620	-3.3282	-3.3950	-3.4623
-2.9042	-2.9676	-3.0315	-3.0960	-3.1611	-3.2267	-3.2929	-3.3597	-3.4270
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-2.8325	-2.8959	-2.9599	-3.0244	-3.0894	-3.1551	-3.2213	-3.2880	-3.3554
-2.7961	-2.8595	-2.9235	-2.9880	-3.0530	-3.1187	-3.1849	-3.2516	-3.3190
-2.7593	-2.8227	-2.8867	-2.9512	-3.0162	-3.0819	-3.1481	-3.2149	-3.2822
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-2.6846	-2.7480	-2.8120	-2.8765	-2.9415	-3.0072	-3.0734	-3.1401	-3.2075
-2.6467	-2.7101	-2.7740	-2.8385	-2.9036	-2.9692	-3.0354	-3.1022	-3.1695
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-2.4909	-2.5543	-2.6182	-2.6827	-2.7478	-2.8134	-2.8796	-2.9464	-3.0138
-2.4509	-2.5143	-2.5783	-2.6428	-2.7078	-2.7735	-2.8397	-2.9065	-2.9738
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-2.3698	-2.4332	-2.4971	-2.5616	-2.6267	-2.6924	-2.7586	-2.8253	-2.8927
-2.3225	-2.3859	-2.4499	-2.5144	-2.5794	-2.6451	-2.7113	-2.7781	-2.8454
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-2.2450	-2.3084	-2.3723	-2.4368	-2.5019	-2.5676	-2.6338	-2.7005	-2.7679
-2.2026	-2.2660	-2.3299	-2.3944	-2.4595	-2.5251	-2.5913	-2.6581	-2.7254
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-2.0902	-2.1536	-2.2176	-2.2821	-2.3471	-2.4128	-2.4790	-2.5457	-2.6131
-2.0858	-2.1492	-2.2132	-2.2777	-2.3427	-2.4084	-2.4746	-2.5414	-2.6087
-2.0814	-2.1448	-2.2088	-2.2733	-2.3384	-2.4040	-2.4702	-2.5370	-2.6043
-2.0771	-2.1405	-2.2044	-2.2689	-2.3340	-2.3996	-2.4658	-2.5326	-2.5999
-2.0727	-2.1361	-2.2000	-2.2645	-2.3296	-2.3952	-2.4614	-2.5282	-2.5955
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-2.0418	-2.1052	-2.1691	-2.2336	-2.2987	-2.3644	-2.4306	-2.4973	-2.5647
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-2.0152	-2.0786	-2.1425	-2.2070	-2.2721	-2.3377	-2.4039	-2.4707	-2.5380
-2.0107	-2.0741	-2.1381	-2.2026	-2.2676	-2.3333	-2.3995	-2.4662	-2.5336
-2.0063	-2.0697	-2.1336	-2.1981	-2.2632	-2.3288	-2.3950	-2.4618	-2.5291
-2.0018	-2.0652	-2.1291	-2.1936	-2.2587	-2.3244	-2.3906	-2.4573	-2.5247
-1.9973	-2.0607	-2.1247	-2.1892	-2.2543	-2.3199	-2.3861	-2.4529	-2.5202
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-1.9794	-2.0428	-2.1068	-2.1713	-2.2363	-2.3020	-2.3682	-2.4350	-2.5023
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-1.9614	-2.0248	-2.0888	-2.1533	-2.2184	-2.2840	-2.3502	-2.4170	-2.4843
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-1.9162	-1.9796	-2.0435	-2.1080	-2.1731	-2.2387	-2.3049	-2.3717	-2.4391
-1.9116	-1.9750	-2.0390	-2.1035	-2.1686	-2.2342	-2.3004	-2.3672	-2.4345
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-1.9025	-1.9659	-2.0299	-2.0944	-2.1594	-2.2251	-2.2913	-2.3581	-2.4254
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-1.8888	-1.9522	-2.0162	-2.0807	-2.1457	-2.2114	-2.2776	-2.3443	-2.4117
-1.8842	-1.9476	-2.0116	-2.0761	-2.1412	-2.2068	-2.2730	-2.3398	-2.4071
-1.8797	-1.9431	-2.0070	-2.0715	-2.1366	-2.2022	-2.2684	-2.3352	-2.4025
-1.8751	-1.9385	-2.0024	-2.0669	-2.1320	-2.1976	-2.2638	-2.3306	-2.3980
-1.8705	-1.9339	-1.9978	-2.0623	-2.1274	-2.1930	-2.2592	-2.3260	-2.3934
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-1.8429	-1.9063	-1.9702	-2.0347	-2.0998	-2.1654	-2.2316	-2.2984	-2.3657
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-1.8104	-1.8738	-1.9378	-2.0023	-2.0673	-2.1330	-2.1992	-2.2659	-2.3333
-1.8058	-1.8692	-1.9331	-1.9976	-2.0627	-2.1283	-2.1945	-2.2613	-2.3286
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-1.7824	-1.8458	-1.9098	-1.9743	-2.0393	-2.1050	-2.1712	-2.2380	-2.3053
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-1.6689	-1.7323	-1.7962	-1.8607	-1.9258	-1.9914	-2.0576	-2.1244	-2.1917
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-1.5965	-1.6599	-1.7239	-1.7884	-1.8534	-1.9191	-1.9853	-2.0521	-2.1194
-1.5917	-1.6551	-1.7190	-1.7835	-1.8486	-1.9142	-1.9804	-2.0472	-2.1145
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-1.5771	-1.6405	-1.7044	-1.7689	-1.8340	-1.8996	-1.9658	-2.0326	-2.0999
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0.0634	0	-0.0640	-0.1285	-0.1935	-0.2592	-0.3254	-0.3921	-0.4595
0.1274	0.0640	0	-0.0645	-0.1296	-0.1952	-0.2614	-0.3282	-0.3955
0.1919	0.1285	0.0645	0	-0.0651	-0.1307	-0.1969	-0.2637	-0.3310
0.2569	0.1935	0.1296	0.0651	0	-0.0656	-0.1318	-0.1986	-0.2660
0.3226	0.2592	0.1952	0.1307	0.0656	0	-0.0662	-0.1330	-0.2003
0.3888	0.3254	0.2614	0.1969	0.1318	0.0662	0	-0.0668	-0.1341
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0.5229	0.4595	0.3955	0.3310	0.2660	0.2003	0.1341	0.0674	0
0.5908	0.5274	0.4635	0.3990	0.3339	0.2683	0.2021	0.1353	0.0679
0.6593	0.5959	0.5320	0.4675	0.4024	0.3368	0.2706	0.2038	0.1364
0.7284	0.6650	0.6011	0.5366	0.4715	0.4059	0.3397	0.2729	0.2055
0.7981	0.7347	0.6707	0.6062	0.5412	0.4755	0.4093	0.3426	0.2752
0.8684	0.8050	0.7410	0.6765	0.6114	0.5458	0.4796	0.4128	0.3455
0.9392	0.8758	0.8119	0.7474	0.6823	0.6167	0.5505	0.4837	0.4164
1.0107	0.9473	0.8834	0.8189	0.7538	0.6881	0.6219	0.5552	0.4878
1.0828	1.0194	0.9554	0.8909	0.8258	0.7602	0.6940	0.6272	0.5599
1.1554	1.0920	1.0281	0.9636	0.8985	0.8329	0.7667	0.6999	0.6326
1.2287	1.1653	1.1014	1.0369	0.9718	0.9062	0.8400	0.7732	0.7058
1.3026	1.2392	1.1753	1.1108	1.0457	0.9801	0.9139	0.8471	0.7797
1.3771	1.3137	1.2498	1.1853	1.1202	1.0546	0.9884	0.9216	0.8542
1.4522	1.3888	1.3249	1.2604	1.1953	1.1297	1.0635	0.9967	0.9294
1.5280	1.4646	1.4006	1.3361	1.2711	1.2054	1.1392	1.0725	1.0051
1.6044	1.5410	1.4770	1.4125	1.3474	1.2818	1.2156	1.1488	1.0815
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1.7590	1.6956	1.6316	1.5671	1.5021	1.4364	1.3702	1.3035	1.2361
1.8373	1.7739	1.7099	1.6454	1.5803	1.5147	1.4485	1.3817	1.3144
1.9162	1.8528	1.7888	1.7243	1.6592	1.5936	1.5274	1.4606	1.3933
1.9957	1.9323	1.8684	1.8039	1.7388	1.6732	1.6070	1.5402	1.4728
2.0759	2.0125	1.9486	1.8841	1.8190	1.7533	1.6871	1.6204	1.5530
2.1567	2.0933	2.0294	1.9649	1.8998	1.8342	1.7680	1.7012	1.6339

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-2.5792	-2.6477	-2.7168	-2.7865	-2.8567	-2.9276	-2.9991	-3.0711	-3.1438
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-2.5702	-2.6387	-2.7078	-2.7775	-2.8478	-2.9187	-2.9901	-3.0622	-3.1349
-2.5657	-2.6343	-2.7033	-2.7730	-2.8433	-2.9142	-2.9856	-3.0577	-3.1304
-2.5613	-2.6298	-2.6989	-2.7685	-2.8388	-2.9097	-2.9811	-3.0532	-3.1259
-2.5568	-2.6253	-2.6944	-2.7640	-2.8343	-2.9052	-2.9766	-3.0487	-3.1214
-2.5523	-2.6208	-2.6899	-2.7595	-2.8298	-2.9007	-2.9721	-3.0442	-3.1169
-2.5477	-2.6163	-2.6853	-2.7550	-2.8253	-2.8962	-2.9676	-3.0397	-3.1124
-2.5432	-2.6117	-2.6808	-2.7505	-2.8208	-2.8917	-2.9631	-3.0352	-3.1079
-2.5387	-2.6072	-2.6763	-2.7460	-2.8163	-2.8871	-2.9586	-3.0307	-3.1034
-2.5342	-2.6027	-2.6718	-2.7415	-2.8118	-2.8826	-2.9541	-3.0262	-3.0988
-2.5297	-2.5982	-2.6673	-2.7370	-2.8072	-2.8781	-2.9496	-3.0216	-3.0943
-2.5252	-2.5937	-2.6628	-2.7324	-2.8027	-2.8736	-2.9450	-3.0171	-3.0898
-2.5206	-2.5891	-2.6582	-2.7279	-2.7982	-2.8690	-2.9405	-3.0126	-3.0853
-2.5161	-2.5846	-2.6537	-2.7234	-2.7936	-2.8645	-2.9360	-3.0080	-3.0807
-2.5115	-2.5801	-2.6491	-2.7188	-2.7891	-2.8600	-2.9314	-3.0035	-3.0762
-2.5070	-2.5755	-2.6446	-2.7143	-2.7845	-2.8554	-2.9269	-2.9989	-3.0716
-2.5024	-2.5710	-2.6400	-2.7097	-2.7800	-2.8509	-2.9223	-2.9944	-3.0671
-2.4979	-2.5664	-2.6355	-2.7052	-2.7754	-2.8463	-2.9178	-2.9898	-3.0625
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-2.4888	-2.5573	-2.6264	-2.6961	-2.7663	-2.8372	-2.9087	-2.9807	-3.0534
-2.4842	-2.5527	-2.6218	-2.6915	-2.7618	-2.8326	-2.9041	-2.9762	-3.0488
-2.4796	-2.5481	-2.6172	-2.6869	-2.7572	-2.8280	-2.8995	-2.9716	-3.0443
-2.4751	-2.5436	-2.6127	-2.6823	-2.7526	-2.8235	-2.8949	-2.9670	-3.0397
-2.4705	-2.5390	-2.6081	-2.6778	-2.7480	-2.8189	-2.8904	-2.9624	-3.0351
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-2.4613	-2.5298	-2.5989	-2.6686	-2.7388	-2.8097	-2.8812	-2.9532	-3.0259
-2.4567	-2.5252	-2.5943	-2.6640	-2.7343	-2.8051	-2.8766	-2.9487	-3.0213
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-2.4383	-2.5068	-2.5759	-2.6456	-2.7158	-2.7867	-2.8582	-2.9302	-3.0029
-2.4337	-2.5022	-2.5713	-2.6409	-2.7112	-2.7821	-2.8536	-2.9256	-2.9983
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-2.3872	-2.4558	-2.5248	-2.5945	-2.6648	-2.7357	-2.8071	-2.8792	-2.9519
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-2.3732	-2.4417	-2.5108	-2.5805	-2.6508	-2.7217	-2.7931	-2.8652	-2.9379
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-2.3404	-2.4089	-2.4780	-2.5477	-2.6179	-2.6888	-2.7603	-2.8323	-2.9050
-2.3357	-2.4042	-2.4733	-2.5429	-2.6132	-2.6841	-2.7556	-2.8276	-2.9003
-2.3310	-2.3995	-2.4686	-2.5382	-2.6085	-2.6794	-2.7508	-2.8229	-2.8956
-2.3262	-2.3947	-2.4638	-2.5335	-2.6038	-2.6746	-2.7461	-2.8182	-2.8909
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-2.3168	-2.3853	-2.4544	-2.5241	-2.5943	-2.6652	-2.7367	-2.8087	-2.8814
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-2.3073	-2.3758	-2.4449	-2.5146	-2.5849	-2.6557	-2.7272	-2.7993	-2.8719
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-2.2978	-2.3663	-2.4354	-2.5051	-2.5754	-2.6462	-2.7177	-2.7898	-2.8624
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-2.2883	-2.3568	-2.4259	-2.4956	-2.5658	-2.6367	-2.7082	-2.7802	-2.8529
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-2.2740	-2.3425	-2.4116	-2.4813	-2.5516	-2.6224	-2.6939	-2.7660	-2.8386
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-2.2453	-2.3138	-2.3829	-2.4526	-2.5228	-2.5937	-2.6652	-2.7372	-2.8099
-2.2405	-2.3090	-2.3781	-2.4478	-2.5180	-2.5889	-2.6604	-2.7324	-2.8051
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-2.2309	-2.2994	-2.3685	-2.4381	-2.5084	-2.5793	-2.6507	-2.7228	-2.7955
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-2.2164	-2.2849	-2.3540	-2.4237	-2.4939	-2.5648	-2.6363	-2.7083	-2.7810
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-2.2067	-2.2752	-2.3443	-2.4140	-2.4843	-2.5551	-2.6266	-2.6987	-2.7714
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-2.1336	-2.2021	-2.2712	-2.3409	-2.4112	-2.4821	-2.5535	-2.6256	-2.6983
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-0.2683	-0.3368	-0.4059	-0.4755	-0.5458	-0.6167	-0.6881	-0.7602	-0.8329
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-0.1353	-0.2038	-0.2729	-0.3426	-0.4128	-0.4837	-0.5552	-0.6272	-0.6999
-0.0679	-0.1364	-0.2055	-0.2752	-0.3455	-0.4164	-0.4878	-0.5599	-0.6326
0	-0.0685	-0.1376	-0.2073	-0.2776	-0.3484	-0.4199	-0.4920	-0.5646
0.0685	0	-0.0691	-0.1388	-0.2090	-0.2799	-0.3514	-0.4234	-0.4961
0.1376	0.0691	0	-0.0697	-0.1400	-0.2108	-0.2823	-0.3544	-0.4270
0.2073	0.1388	0.0697	0	-0.0703	-0.1411	-0.2126	-0.2847	-0.3574
0.2776	0.2090	0.1400	0.0703	0	-0.0709	-0.1423	-0.2144	-0.2871
0.3484	0.2799	0.2108	0.1411	0.0709	0	-0.0715	-0.1435	-0.2162
0.4199	0.3514	0.2823	0.2126	0.1423	0.0715	0	-0.0721	-0.1447
0.4920	0.4234	0.3544	0.2847	0.2144	0.1435	0.0721	0	-0.0727
0.5646	0.4961	0.4270	0.3574	0.2871	0.2162	0.1447	0.0727	0
0.6379	0.5694	0.5003	0.4306	0.3604	0.2895	0.2180	0.1460	0.0733
0.7118	0.6433	0.5742	0.5045	0.4343	0.3634	0.2919	0.2199	0.1472
0.7863	0.7178	0.6487	0.5790	0.5088	0.4379	0.3664	0.2944	0.2217
0.8614	0.7929	0.7238	0.6542	0.5839	0.5130	0.4415	0.3695	0.2968
0.9372	0.8687	0.7996	0.7299	0.6596	0.5888	0.5173	0.4452	0.3725
1.0135	0.9450	0.8759	0.8063	0.7360	0.6651	0.5937	0.5216	0.4489
1.0905	1.0220	0.9529	0.8833	0.8130	0.7421	0.6707	0.5986	0.5259
1.1682	1.0997	1.0306	0.9609	0.8906	0.8198	0.7483	0.6762	0.6035
1.2464	1.1779	1.1088	1.0392	0.9689	0.8980	0.8266	0.7545	0.6818
1.3254	1.2568	1.1878	1.1181	1.0478	0.9769	0.9055	0.8334	0.7607
1.4049	1.3364	1.2673	1.1976	1.1274	1.0565	0.9850	0.9130	0.8403
1.4851	1.4166	1.3475	1.2778	1.2075	1.1367	1.0652	0.9931	0.9205
1.5659	1.4974	1.4283	1.3587	1.2884	1.2175	1.1460	1.0740	1.0013

88	89	90	91	92	93	94	95	96
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-4.0248	-4.0987	-4.1732	-4.2484	-4.3241	-4.4005	-4.4775	-4.5551	-4.6334
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-3.0065	-3.0804	-3.1549	-3.2300	-3.3057	-3.3821	-3.4591	-3.5367	-3.6150
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-1.9790	-2.0586	-2.1387	-2.2196
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-1.8528	-1.9323	-2.0125	-2.0933
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0.2406	0.1610	0.0808	0