Test Name	**CDR, MW, rep 2**
Cladding	**Cedar Wood**
Cladding Thickness [mm]	**12**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of a Cedar Wood cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	The front facing camera experienced failure at the beggining of the experiment, however returned at 23 minutes.
Peak HRR [kW]	**107**
Time to Peak HRR [mins]	**3.52**
Residual HRR [kW]	**2.18**
Total HR [MJ]	**34.7**
Peak dQ/dt [kW/s]	**1.12**
Time to Peak dQ/dt [s]	**3.62**

Test Time [s]	Heat Release Rate **HRR [kW]**	HRR Smoothed **[kW]**	Mass Rainscreen **[kg]**	Mass Insulation **[kg]**	Mass Drip Tray **[kg]**	Mass Total **[kg]**	MLR Rainscreen **Smoothed 100pt [g/s]**	MLR Insulation **Smoothed 100pt [g/s]**	MLR Drip Tray **Smoothed 100pt [g/s]**	MLR Total **Smoothed 100pt [g/s]**
0	0.302	0.302	2.9728	2.8048	-0.0006	5.777	0.8832	0.2378	-0.0007	1.1203
1	0.508	0.448	2.9728	2.8029	-0.0007	5.775	0.8889	0.2262	-0.0054	1.1096
2	0.534	0.481	2.973	2.8016	-0.0007	5.7738	0.8916	0.2218	-0.0038	1.1096
3	0.458	0.581	2.9728	2.7998	-0.0008	5.7718	0.9033	0.2168	-0.0038	1.1164
4	0.606	0.745	2.9727	2.7987	-0.0009	5.7705	0.9283	0.2108	-0.0027	1.1363
5	0.777	1.08	2.9729	2.7984	-0.0011	5.7702	0.9355	0.2049	-0.003	1.1375
6	0.882	1.61	2.9729	2.7976	-0.0012	5.7693	0.9287	0.1966	-0.0036	1.1217
7	1.13	2.19	2.9727	2.7966	-0.0012	5.7682	0.9522	0.1994	-0.002	1.1496
8	1.51	2.79	2.9726	2.7963	-0.0011	5.7678	0.9689	0.1972	-0.0017	1.1644
9	2.25	3.36	2.9722	2.7961	-0.0011	5.7672	0.9831	0.1934	0.0001	1.1766
10	2.97	3.82	2.9716	2.7957	-0.0013	5.766	1.006	0.185	0.002	1.193
11	4.1	4.29	2.9711	2.7953	-0.0013	5.7651	1.0397	0.1788	0.0028	1.2213
12	4.91	4.74	2.9706	2.795	-0.0013	5.7643	1.0713	0.1754	0.0022	1.2489
13	5.73	5.24	2.9703	2.7951	-0.0014	5.764	1.081	0.1728	0.0024	1.2562
14	6.2	5.71	2.9697	2.7954	-0.0014	5.7636	1.1006	0.1739	0.0016	1.276
15	6.98	6.21	2.9687	2.7954	-0.0016	5.7625	1.1166	0.1765	0.0005	1.2936
16	7.56	6.72	2.9679	2.7953	-0.0015	5.7617	1.1336	0.1806	0.0012	1.3154
17	8.02	7.22	2.9674	2.7955	-0.0014	5.7614	1.1399	0.1822	-0.0024	1.3198
18	8.36	7.76	2.9669	2.7955	-0.0013	5.7611	1.1525	0.1799	-0.0044	1.328
19	9.15	8.23	2.9666	2.795	-0.0014	5.7602	1.1651	0.1843	-0.0042	1.3451
20	9.4	8.68	2.9653	2.7953	-0.0013	5.7593	1.184	0.1784	-0.0026	1.3597
21	9.13	9.09	2.9649	2.7954	-0.0013	5.7589	1.1986	0.1794	-0.0014	1.3766
22	9.83	9.43	2.9645	2.7952	-0.0014	5.7583	1.211	0.1753	-0.0019	1.3844
23	9.67	9.78	2.9636	2.7951	-0.0015	5.7572	1.2187	0.1716	-0.0021	1.3882
24	10.2	10.1	2.9624	2.7947	-0.0015	5.7556	1.2307	0.1715	-0.0021	1.4
25	10.6	10.4	2.9613	2.7945	-0.0015	5.7542	1.2448	0.1725	-0.0027	1.4147
26	10.7	10.7	2.9602	2.7943	-0.0015	5.753	1.2571	0.1726	-0.0026	1.427
27	11.6	11	2.9591	2.7945	-0.0015	5.7521	1.2722	0.1717	-0.0026	1.4413
28	11.2	11.2	2.9581	2.7944	-0.0014	5.7511	1.2757	0.1647	-0.0038	1.4365

29	11.5	11.5	2.9569	2.7942	-0.0014	5.7497	1.2855	0.1576	-0.0049	1.4383
30	12	11.7	2.9555	2.7946	-0.0014	5.7487	1.2937	0.1577	-0.0025	1.4489
31	11.4	12	2.9539	2.7946	-0.0015	5.7471	1.3048	0.154	-0.0025	1.4563
32	12.3	12.2	2.953	2.7945	-0.0014	5.7461	1.3181	0.147	-0.0029	1.4621
33	12.5	12.5	2.9517	2.7945	-0.0013	5.745	1.3412	0.1402	-0.0048	1.4765
34	12.6	12.8	2.9505	2.7948	-0.0014	5.7439	1.3415	0.1414	-0.0016	1.4814
35	13.1	13.1	2.9492	2.7947	-0.0015	5.7423	1.3281	0.1433	-0.003	1.4684
36	13.2	13.3	2.9482	2.7944	-0.0015	5.7411	1.3296	0.1432	-0.0056	1.4672
37	13.5	13.5	2.9472	2.7943	-0.0015	5.74	1.3339	0.1407	-0.0068	1.4677
38	13.5	13.8	2.9454	2.7939	-0.0015	5.7378	1.3532	0.139	-0.0069	1.4853
39	13.8	14.1	2.9441	2.7945	-0.0014	5.7372	1.3535	0.1373	-0.0079	1.4829
40	14.1	14.3	2.9423	2.7941	-0.0011	5.7353	1.3625	0.1359	-0.0075	1.491
41	14.5	14.6	2.9411	2.7939	-0.0011	5.7338	1.3607	0.1374	-0.0066	1.4915
42	15.5	14.9	2.9396	2.794	-0.0012	5.7323	1.3689	0.1391	-0.006	1.502
43	15.9	15.1	2.9381	2.7939	-0.0013	5.7307	1.3848	0.1394	-0.0048	1.5194
44	15.5	15.5	2.9369	2.7941	-0.0013	5.7298	1.394	0.1369	-0.0043	1.5266
45	15.1	15.8	2.9356	2.7942	-0.0012	5.7287	1.3973	0.1386	-0.0026	1.5332
46	16	16.1	2.9342	2.7944	-0.0011	5.7274	1.4032	0.1342	-0.0021	1.5353
47	16.6	16.4	2.9331	2.7947	-0.001	5.7267	1.4053	0.1333	-0.0021	1.5366
48	17.3	16.7	2.9318	2.7948	-0.0011	5.7255	1.4045	0.1279	-0.0009	1.5315
49	16.2	17	2.9307	2.7949	-0.0012	5.7245	1.4194	0.127	0.0014	1.5478
50	17.1	17.4	2.9295	2.7953	-0.0009	5.7239	1.4282	0.1262	0.0036	1.558
51	16.8	17.7	2.9285	2.7953	-0.001	5.7228	1.4219	0.1046	0.0118	1.5383
52	17.5	18	2.927	2.7953	-0.001	5.7213	1.4381	0.0924	0.012	1.5426
53	18.7	18.2	2.9247	2.7955	-0.0011	5.7191	1.4517	0.0837	0.0112	1.5465
54	18.8	18.5	2.9234	2.7956	-0.001	5.7179	1.4668	0.0743	0.0111	1.5521
55	19.4	18.9	2.9228	2.7958	-0.001	5.7177	1.4869	0.0726	0.0122	1.5716
56	19.8	19.2	2.9206	2.7955	-0.0011	5.7149	1.5014	0.0718	0.0106	1.5838
57	19.6	19.4	2.9186	2.7954	-0.0011	5.7129	1.5181	0.0718	0.0097	1.5996
58	19.5	19.7	2.9168	2.7954	-0.0012	5.711	1.5203	0.0776	0.0104	1.6083
59	20.5	20	2.9145	2.7957	-0.0013	5.7089	1.5269	0.0886	0.0098	1.6253
60	20.7	20.4	2.9114	2.7959	-0.0014	5.706	1.5353	0.0961	0.009	1.6404
61	20.7	20.7	2.9084	2.796	-0.0013	5.703	1.5421	0.1025	0.0074	1.652
62	20.7	21	2.9067	2.7959	-0.0014	5.7013	1.5512	0.1031	0.0085	1.6628
63	21.1	21.2	2.9044	2.7957	-0.0013	5.6988	1.5578	0.1049	0.0088	1.6714
64	21.6	21.5	2.9023	2.7954	-0.0012	5.6964	1.5722	0.1073	0.008	1.6876
65	21.4	21.6	2.9	2.7949	-0.0013	5.6937	1.5805	0.1119	0.0076	1.7

66	21.4	21.9	2.8985	2.7946	-0.001	5.692	1.5913	0.114	0.0038	1.7091
67	22.8	22	2.8965	2.7946	-0.0009	5.6902	1.5997	0.1131	0.0046	1.7174
68	22.7	22.3	2.8944	2.7941	-0.0009	5.6877	1.622	0.1157	0.0067	1.7445
69	23.5	22.4	2.892	2.7943	-0.001	5.6853	1.6368	0.1132	0.0082	1.7582
70	22.5	22.7	2.8897	2.7941	-0.0011	5.6827	1.6636	0.1068	0.0093	1.7797
71	23.3	22.8	2.8876	2.7942	-0.0011	5.6808	1.6695	0.1072	0.011	1.7877
72	23.6	23	2.8859	2.7943	-0.001	5.6791	1.6904	0.1097	0.0108	1.8109
73	23.1	23.1	2.8838	2.7941	-0.001	5.6769	1.7157	0.113	0.0097	1.8384
74	22.6	23.3	2.8815	2.7939	-0.001	5.6744	1.742	0.1165	0.0083	1.8668
75	24.3	23.5	2.8793	2.7937	-0.001	5.672	1.7623	0.1178	0.0064	1.8865
76	23.1	23.5	2.8769	2.7936	-0.001	5.6695	1.783	0.1187	0.0051	1.9068
77	24.7	23.6	2.8753	2.794	-0.0009	5.6684	1.8037	0.1154	0.005	1.9241
78	22.8	23.6	2.8733	2.7944	-0.0008	5.6668	1.8371	0.1191	0.0041	1.9603
79	24.7	23.6	2.8713	2.7942	-0.001	5.6646	1.8549	0.1158	0.0064	1.9771
80	23.7	23.5	2.8691	2.7944	-0.001	5.6625	1.8767	0.1167	0.0077	2.0011
81	23.6	23.5	2.8668	2.7948	-0.001	5.6606	1.8988	0.1243	0.0069	2.03
82	24.3	23.5	2.8635	2.7952	-0.0008	5.6579	1.9211	0.1292	0.0062	2.0565
83	25.5	23.4	2.8621	2.795	-0.0011	5.656	1.9503	0.1287	0.0069	2.0859
84	23.7	23.4	2.8619	2.7947	-0.0009	5.6557	1.9771	0.1256	0.0074	2.1102
85	22.9	23.3	2.8605	2.7945	-0.0007	5.6543	2.0037	0.127	0.007	2.1377
86	23.4	23.2	2.8588	2.7946	-0.0006	5.6528	2.0421	0.125	0.0067	2.1738
87	23.1	23	2.8558	2.7946	-0.0006	5.6498	2.0683	0.125	0.0087	2.2019
88	23.4	23	2.8544	2.7946	-0.0005	5.6485	2.0994	0.1297	0.0109	2.2399
89	21.2	22.7	2.8522	2.7946	-0.0005	5.6463	2.131	0.1403	0.0119	2.2833
90	23.1	22.6	2.851	2.7943	-0.0006	5.6447	2.1646	0.1534	0.0106	2.3286
91	22.6	22.5	2.8489	2.794	-0.0006	5.6423	2.1922	0.1535	0.0105	2.3563
92	22.8	22.3	2.846	2.7939	-0.0008	5.6392	2.2415	0.1519	0.0117	2.4052
93	21.9	22.1	2.8438	2.794	-0.0008	5.637	2.2832	0.154	0.0115	2.4488
94	21.8	22	2.8421	2.7937	-0.001	5.6348	2.3028	0.154	0.0137	2.4705
95	22.2	21.8	2.8401	2.7939	-0.001	5.6331	2.3487	0.1597	0.0157	2.524
96	20.8	21.7	2.8385	2.7939	-0.001	5.6314	2.3829	0.1623	0.0189	2.5641
97	21.8	21.7	2.8372	2.7943	-0.0011	5.6304	2.412	0.1653	0.02	2.5973
98	20.3	21.6	2.8343	2.7943	-0.0013	5.6272	2.4667	0.1773	0.0238	2.6677
99	21.3	21.6	2.832	2.7942	-0.0016	5.6247	2.4891	0.1906	0.0249	2.7046
100	21.7	21.5	2.8306	2.7943	-0.0018	5.6232	2.5523	0.2062	0.0232	2.7818
101	20.9	21.5	2.829	2.7937	-0.0019	5.6208	2.5767	0.2157	0.0248	2.8172
102	20.4	21.5	2.8278	2.7932	-0.0018	5.6192	2.6208	0.2237	0.0237	2.8681

103	21.4	21.6	2.8262	2.7924	-0.0019	5.6166	2.6685	0.229	0.0243	2.9218
104	20.4	21.7	2.824	2.7914	-0.0022	5.6133	2.6961	0.2295	0.026	2.9516
105	21.4	21.8	2.8227	2.7912	-0.0021	5.6118	2.7345	0.233	0.029	2.9966
106	22.6	22	2.8211	2.7904	-0.0022	5.6093	2.7869	0.2415	0.0331	3.0615
107	21	22	2.8206	2.7889	-0.0022	5.6073	2.8299	0.2446	0.0331	3.1076
108	21.8	22.2	2.8199	2.7875	-0.0021	5.6053	2.8724	0.255	0.0321	3.1595
109	22.1	22.4	2.8187	2.7865	-0.002	5.6032	2.9099	0.2642	0.0279	3.202
110	22.7	22.5	2.8174	2.7854	-0.002	5.6008	2.9368	0.2663	0.0247	3.2279
111	22.7	22.8	2.816	2.785	-0.0021	5.5988	2.9744	0.2681	0.0233	3.2658
112	23.9	23	2.8149	2.7845	-0.0022	5.5971	3.0033	0.2673	0.023	3.2937
113	23.5	23.2	2.8131	2.7843	-0.0022	5.5952	3.0588	0.2665	0.0215	3.3467
114	22.9	23.5	2.8116	2.7842	-0.0022	5.5936	3.1049	0.2615	0.0224	3.3888
115	24.4	23.7	2.8095	2.784	-0.0019	5.5916	3.1572	0.253	0.0248	3.435
116	22.2	23.9	2.8079	2.784	-0.002	5.5899	3.1976	0.2421	0.0259	3.4655
117	25	24.2	2.8052	2.7839	-0.0021	5.587	3.2544	0.2363	0.0286	3.5192
118	23.8	24.6	2.8032	2.7842	-0.0021	5.5853	3.307	0.2385	0.0317	3.5773
119	24.5	25	2.8002	2.7843	-0.0023	5.5823	3.3656	0.2352	0.0329	3.6337
120	25.9	25.5	2.7983	2.7846	-0.0024	5.5805	3.4069	0.2366	0.0308	3.6743
121	24.7	26	2.7958	2.7844	-0.0024	5.5778	3.4659	0.2376	0.03	3.7335
122	25.6	26.5	2.793	2.7839	-0.0024	5.5745	3.5083	0.2439	0.0299	3.782
123	26	27.2	2.7894	2.7835	-0.0023	5.5705	3.5601	0.249	0.0292	3.8384
124	25.2	27.8	2.7861	2.7829	-0.0021	5.5669	3.6093	0.2498	0.031	3.8902
125	26.1	28.4	2.783	2.7826	-0.002	5.5636	3.6623	0.2546	0.0309	3.9478
126	26.9	29.2	2.7798	2.7828	-0.002	5.5606	3.7162	0.2582	0.0313	4.0058
127	28.9	29.9	2.7754	2.7826	-0.0019	5.556	3.7854	0.2622	0.0328	4.0805
128	30	30.7	2.7726	2.7828	-0.002	5.5534	3.8472	0.2678	0.0322	4.1473
129	32.1	31.7	2.7692	2.7825	-0.0022	5.5496	3.9117	0.2709	0.0319	4.2145
130	32.7	32.6	2.7656	2.7822	-0.0021	5.5457	3.9677	0.2712	0.029	4.2679
131	34.1	33.8	2.7618	2.7817	-0.0021	5.5414	4.0314	0.2745	0.0275	4.3334
132	35.2	35	2.7579	2.7816	-0.0021	5.5375	4.0939	0.2846	0.0249	4.4033
133	34.8	36.1	2.754	2.782	-0.002	5.534	4.1587	0.2892	0.0243	4.4722
134	35.5	37.4	2.7501	2.7821	-0.0021	5.5302	4.2257	0.2835	0.0212	4.5305
135	37.6	38.9	2.7449	2.7822	-0.0022	5.5249	4.3098	0.2806	0.0236	4.614
136	38.5	40.3	2.7414	2.782	-0.0024	5.521	4.3906	0.2792	0.0252	4.6949
137	39.5	41.4	2.7373	2.7813	-0.0026	5.516	4.458	0.2792	0.0252	4.7624
138	43.4	42.9	2.7323	2.7799	-0.0027	5.5095	4.5117	0.2816	0.0259	4.8192
139	43.5	43.9	2.7276	2.7791	-0.0024	5.5043	4.5936	0.2926	0.027	4.9132

140	47	45.1	2.7231	2.7788	-0.0022	5.4997	4.6581	0.29	0.0257	4.9738
141	47.1	46.5	2.7169	2.7787	-0.0023	5.4933	4.7332	0.2858	0.0227	5.0417
142	46.9	47.9	2.7112	2.7786	-0.0024	5.4874	4.8152	0.2796	0.0203	5.1151
143	50.8	49.3	2.7078	2.7785	-0.0027	5.4837	4.8866	0.2794	0.0184	5.1845
144	54	50.5	2.7021	2.7782	-0.0029	5.4774	4.9504	0.2795	0.0193	5.2492
145	53.3	51.8	2.6973	2.778	-0.0031	5.4723	5.0202	0.2716	0.0222	5.314
146	50.9	53.1	2.693	2.7778	-0.0031	5.4677	5.0951	0.27	0.0253	5.3903
147	57.4	54.4	2.6864	2.7769	-0.0034	5.46	5.1655	0.268	0.0245	5.458
148	52.3	55.5	2.6829	2.7757	-0.0036	5.455	5.238	0.2712	0.0253	5.5345
149	55.5	56.6	2.6754	2.7743	-0.0035	5.4463	5.294	0.2724	0.0227	5.5891
150	59.8	57.7	2.6718	2.7737	-0.0034	5.4422	5.3748	0.2852	0.0194	5.6794
151	62.7	58.7	2.6664	2.7729	-0.0034	5.436	5.4509	0.2864	0.0179	5.7551
152	60.2	59.5	2.6601	2.7724	-0.0034	5.4291	5.525	0.2793	0.014	5.8183
153	59.5	60.3	2.6551	2.7725	-0.0037	5.4239	5.6152	0.2743	0.0143	5.9038
154	61.5	61.1	2.6499	2.7723	-0.0039	5.4182	5.6807	0.2691	0.0126	5.9624
155	64	61.8	2.6441	2.7717	-0.0043	5.4115	5.7443	0.2639	0.0119	6.0201
156	64.1	62.7	2.6376	2.771	-0.0044	5.4042	5.8216	0.2645	0.0139	6.0999
157	63.4	63.3	2.6314	2.7699	-0.0043	5.397	5.8898	0.2602	0.0102	6.1603
158	65.8	64.3	2.6258	2.769	-0.004	5.3908	5.969	0.2474	0.0067	6.2231
159	67.2	65.4	2.6208	2.7691	-0.0038	5.3861	6.0419	0.2363	0.0054	6.2835
160	65.5	66.1	2.614	2.7691	-0.0037	5.3794	6.12	0.223	0.007	6.35
161	63.4	66.9	2.6081	2.7692	-0.0036	5.3737	6.1892	0.2122	0.0076	6.409
162	65.9	67.9	2.6008	2.7693	-0.0035	5.3666	6.276	0.2052	0.0065	6.4877
163	67.6	69.1	2.5939	2.7696	-0.0035	5.3599	6.345	0.2003	0.0068	6.552
164	67	70.2	2.5865	2.7701	-0.0037	5.3529	6.4227	0.2024	0.0097	6.6348
165	67.6	71.1	2.5803	2.7707	-0.0039	5.3471	6.4962	0.2011	0.0115	6.7087
166	70.5	72.1	2.573	2.771	-0.0039	5.3401	6.5492	0.1979	0.0146	6.7618
167	69.9	73.2	2.5658	2.7707	-0.0041	5.3324	6.6092	0.1967	0.014	6.8198
168	76.8	74.1	2.5579	2.7706	-0.0042	5.3243	6.6413	0.1955	0.0122	6.849
169	74.2	75.3	2.5513	2.7707	-0.0041	5.3179	6.6959	0.2041	0.0099	6.9099
170	77.7	76.4	2.5431	2.7703	-0.0041	5.3094	6.7459	0.2103	0.0058	6.962
171	77.7	77.8	2.5368	2.7698	-0.0041	5.3026	6.8059	0.2108	0.0028	7.0195
172	83.6	79.3	2.5299	2.7694	-0.004	5.2953	6.85	0.2075	0.001	7.0585
173	81.7	80.9	2.5228	2.7692	-0.0041	5.2878	6.8927	0.2011	0.0013	7.0951
174	80.5	82.2	2.5152	2.7684	-0.0041	5.2796	6.9396	0.2037	0.0039	7.1471
175	83.9	83.5	2.5077	2.7679	-0.0041	5.2714	6.9971	0.2037	0.0026	7.2034
176	85.2	84.7	2.4983	2.7674	-0.0043	5.2614	7.045	0.2038	0.0039	7.2527

177	81.8	85.9	2.4906	2.7672	-0.0041	5.2537	7.0906	0.2058	0.0045	7.3009
178	90	86.8	2.4821	2.7673	-0.004	5.2454	7.1215	0.2071	0.0028	7.3314
179	86.1	88	2.4746	2.7671	-0.0039	5.2378	7.1673	0.2142	-0.0015	7.38
180	91.3	89	2.466	2.7669	-0.0038	5.2292	7.2101	0.2131	0.0002	7.4234
181	94.5	90.1	2.4574	2.7663	-0.0034	5.2202	7.248	0.2089	0.0053	7.4622
182	96.3	91	2.4476	2.7663	-0.0032	5.2107	7.2866	0.201	0.006	7.4936
183	93.2	91.8	2.4396	2.7666	-0.0032	5.203	7.3039	0.1993	0.0054	7.5086
184	91.9	93.1	2.431	2.7666	-0.0033	5.1943	7.3501	0.2013	0.0049	7.5564
185	93.2	94.1	2.4214	2.7666	-0.0032	5.1848	7.3745	0.2006	0.0032	7.5782
186	92.4	95.1	2.413	2.7667	-0.0031	5.1765	7.3962	0.1994	0.0022	7.5978
187	94.7	96.3	2.4046	2.7664	-0.0032	5.1678	7.4348	0.1961	0.0028	7.6336
188	96.9	97.1	2.395	2.7654	-0.0032	5.1572	7.4789	0.1874	0.0006	7.6669
189	96	98.6	2.3864	2.7656	-0.0031	5.1489	7.4989	0.1726	-0.0015	7.6699
190	98.9	99.4	2.3777	2.7658	-0.0029	5.1406	7.5114	0.1671	-0.0008	7.6777
191	100	100	2.3674	2.7661	-0.0027	5.1308	7.5443	0.1662	0.0006	7.7112
192	98	101	2.3574	2.7659	-0.0026	5.1207	7.5392	0.1647	-0.001	7.7029
193	104	102	2.3488	2.766	-0.0027	5.112	7.5596	0.1637	-0.0019	7.7215
194	104	104	2.3401	2.7665	-0.0032	5.1034	7.5947	0.1683	-0.0036	7.7594
195	104	105	2.3306	2.767	-0.0035	5.094	7.6306	0.1669	-0.0044	7.7931
196	105	106	2.322	2.7671	-0.0035	5.0856	7.6347	0.165	-0.0058	7.7939
197	105	107	2.3134	2.7672	-0.0036	5.0769	7.6602	0.1621	-0.0053	7.817
198	113	108	2.3049	2.767	-0.0036	5.0683	7.6642	0.1555	-0.0038	7.8159
199	108	109	2.2945	2.7657	-0.0035	5.0567	7.7146	0.145	-0.0021	7.8576
200	111	110	2.2855	2.7657	-0.0036	5.0477	7.7002	0.1356	0.0002	7.8359
201	115	111	2.2765	2.7657	-0.0033	5.0389	7.7241	0.1411	-0.0015	7.8638
202	114	112	2.2663	2.7658	-0.0033	5.0288	7.7406	0.1399	-0.0026	7.8779
203	118	113	2.2581	2.7655	-0.0032	5.0204	7.7546	0.1365	-0.0043	7.8868
204	116	113	2.2496	2.765	-0.0034	5.0113	7.7833	0.1414	-0.009	7.9157
205	113	114	2.2406	2.7648	-0.0035	5.0018	7.8089	0.1344	-0.0084	7.9349
206	117	114	2.2321	2.7644	-0.0032	4.9933	7.8283	0.1287	-0.0121	7.9449
207	116	114	2.2237	2.7641	-0.0029	4.985	7.8326	0.1254	-0.0134	7.9446
208	114	114	2.2157	2.7638	-0.0026	4.9769	7.8465	0.1165	-0.0136	7.9494
209	118	115	2.2067	2.7642	-0.0027	4.9682	7.8672	0.1086	-0.0122	7.9636
210	117	115	2.1985	2.7642	-0.0028	4.9599	7.889	0.1143	-0.0095	7.9939
211	117	115	2.1884	2.7644	-0.0028	4.9501	7.8721	0.1145	-0.0072	7.9795
212	116	115	2.1804	2.7645	-0.0029	4.9419	7.8969	0.1181	-0.0064	8.0086
213	114	115	2.1708	2.7641	-0.0032	4.9318	7.8904	0.1211	-0.008	8.0035

214	109	115	2.162	2.7641	-0.0033	4.9227	7.9017	0.1257	-0.0084	8.019
215	112	115	2.1546	2.7642	-0.0034	4.9154	7.9035	0.1321	-0.0106	8.025
216	114	115	2.147	2.7643	-0.0034	4.9079	7.9219	0.1394	-0.0133	8.048
217	115	115	2.141	2.7644	-0.0033	4.9021	7.9254	0.1415	-0.0112	8.0557
218	114	114	2.1336	2.7638	-0.0031	4.8943	7.924	0.14	-0.0113	8.0527
219	114	114	2.1257	2.7633	-0.0029	4.8861	7.9042	0.141	-0.013	8.0323
220	118	113	2.1177	2.7635	-0.0027	4.8786	7.9116	0.1452	-0.0128	8.044
221	112	113	2.1108	2.7636	-0.0025	4.872	7.9031	0.1433	-0.0113	8.0351
222	112	113	2.1037	2.7638	-0.0025	4.865	7.9196	0.1383	-0.0085	8.0493
223	113	113	2.0954	2.7631	-0.0027	4.8558	7.9168	0.1423	-0.0078	8.0513
224	117	113	2.0864	2.7626	-0.0024	4.8466	7.9273	0.1443	-0.0111	8.0605
225	115	113	2.0785	2.7622	-0.0024	4.8383	7.9162	0.1414	-0.0084	8.0492
226	113	113	2.0707	2.7622	-0.0024	4.8305	7.9073	0.139	-0.0084	8.0379
227	108	113	2.0632	2.7618	-0.0022	4.8229	7.879	0.1348	-0.0132	8.0006
228	108	113	2.0559	2.7614	-0.0019	4.8154	7.8756	0.1358	-0.0144	7.997
229	111	113	2.0482	2.7612	-0.0022	4.8072	7.8658	0.1347	-0.0154	7.9851
230	109	112	2.0408	2.7613	-0.0026	4.7995	7.869	0.1272	-0.018	7.9782
231	112	112	2.0332	2.7616	-0.0027	4.7921	7.8535	0.119	-0.0167	7.9558
232	113	112	2.0276	2.7617	-0.0026	4.7867	7.8373	0.1113	-0.0126	7.936
233	113	112	2.019	2.7618	-0.0025	4.7784	7.8152	0.1037	-0.0102	7.9087
234	118	111	2.0127	2.762	-0.0024	4.7723	7.7931	0.1045	-0.0067	7.8909
235	112	111	2.0053	2.7622	-0.0024	4.7652	7.7913	0.1006	-0.0058	7.8861
236	109	110	1.9979	2.7623	-0.0026	4.7576	7.7467	0.0985	-0.0046	7.8405
237	111	110	1.9894	2.7626	-0.0026	4.7494	7.7285	0.097	-0.0046	7.8208
238	111	110	1.9824	2.7626	-0.0025	4.7425	7.7169	0.0944	-0.0059	7.8054
239	106	109	1.9765	2.7624	-0.0024	4.7365	7.6872	0.0851	-0.0077	7.7645
240	110	109	1.9686	2.7622	-0.0022	4.7286	7.6639	0.0847	-0.0093	7.7392
241	111	109	1.963	2.7622	-0.0022	4.723	7.654	0.0822	-0.0085	7.7278
242	114	108	1.9553	2.7622	-0.0022	4.7152	7.6194	0.0883	-0.005	7.7027
243	110	107	1.9484	2.7617	-0.0023	4.7077	7.5898	0.0873	-0.002	7.6751
244	103	106	1.939	2.7615	-0.0024	4.6981	7.5636	0.0844	-0.0022	7.6458
245	105	106	1.9338	2.7615	-0.0025	4.6929	7.5364	0.0911	-0.0049	7.6226
246	106	105	1.9269	2.7616	-0.0026	4.686	7.5066	0.0961	-0.0047	7.598
247	104	105	1.92	2.7614	-0.003	4.6784	7.4674	0.1005	-0.0022	7.5657
248	102	104	1.9114	2.7612	-0.0034	4.6693	7.4398	0.11	-0.003	7.5469
249	101	104	1.9054	2.7608	-0.0035	4.6627	7.4114	0.1187	-0.0021	7.528
250	103	104	1.8994	2.7596	-0.0033	4.6558	7.3647	0.1134	0.0003	7.4784

251	101	103	1.8923	2.7589	-0.0031	4.6482	7.3399	0.1199	-0.0012	7.4586
252	98.8	102	1.8846	2.7588	-0.003	4.6404	7.2942	0.1268	-0.0006	7.4204
253	101	102	1.8768	2.7584	-0.0027	4.6324	7.2453	0.1313	-0.0007	7.3759
254	104	102	1.869	2.7588	-0.0031	4.6248	7.222	0.134	-0.0018	7.3542
255	100	102	1.8613	2.7588	-0.0031	4.617	7.1908	0.1344	-0.0015	7.3237
256	101	102	1.8543	2.7585	-0.0031	4.6097	7.1409	0.1347	-0.0059	7.2696
257	101	101	1.8467	2.7582	-0.0029	4.602	7.1178	0.1322	-0.0025	7.2475
258	102	101	1.8391	2.7581	-0.0028	4.5945	7.0991	0.1314	0.0001	7.2307
259	101	101	1.8319	2.7577	-0.0028	4.5867	7.0841	0.1297	0.0051	7.219
260	97.2	101	1.8268	2.7577	-0.003	4.5814	7.0537	0.1328	0.0055	7.1919
261	105	101	1.8184	2.7574	-0.003	4.5728	7.0318	0.1309	0.0073	7.1699
262	107	101	1.8118	2.7572	-0.0027	4.5663	6.9876	0.1303	0.011	7.129
263	101	102	1.8037	2.757	-0.0027	4.558	6.9569	0.1286	0.0112	7.0967
264	99.4	102	1.7962	2.7569	-0.0027	4.5504	6.92	0.1259	0.0091	7.055
265	97.7	102	1.7881	2.7568	-0.0025	4.5423	6.8747	0.1332	0.0084	7.0163
266	99.3	102	1.7805	2.7569	-0.0028	4.5345	6.8339	0.1537	0.0062	6.9938
267	100	103	1.7734	2.7567	-0.0029	4.5272	6.8003	0.1654	0.0039	6.9695
268	102	103	1.7675	2.7565	-0.0029	4.5211	6.7871	0.1674	0.0004	6.9549
269	104	104	1.7601	2.7562	-0.0028	4.5135	6.7505	0.1656	-0.0012	6.9149
270	103	104	1.7528	2.756	-0.003	4.5059	6.7157	0.1588	-0.0024	6.8722
271	100	104	1.7449	2.756	-0.0032	4.4977	6.6754	0.1558	-0.0001	6.8312
272	103	104	1.7382	2.7552	-0.0032	4.4902	6.6556	0.1535	0.0039	6.813
273	104	105	1.7301	2.7547	-0.003	4.4818	6.6279	0.1557	0.0063	6.7899
274	104	105	1.7236	2.7543	-0.0033	4.4747	6.5886	0.1465	0.0058	6.7409
275	111	106	1.7169	2.754	-0.0033	4.4676	6.5527	0.1388	0.0104	6.702
276	111	107	1.7104	2.7539	-0.003	4.4614	6.5127	0.137	0.0134	6.6631
277	110	107	1.703	2.7536	-0.0027	4.454	6.4698	0.1417	0.0154	6.6269
278	110	107	1.6955	2.7538	-0.0025	4.4469	6.4254	0.1404	0.0161	6.5819
279	106	108	1.6877	2.7544	-0.0021	4.4399	6.395	0.1445	0.0177	6.5572
280	109	108	1.6807	2.755	-0.0021	4.4336	6.3485	0.1478	0.0121	6.5084
281	108	109	1.6736	2.7552	-0.0022	4.4266	6.3143	0.1554	0.0071	6.4769
282	108	109	1.6661	2.7559	-0.0022	4.4198	6.2799	0.161	0.0042	6.4451
283	114	109	1.6603	2.7562	-0.0025	4.4139	6.2643	0.1621	0.0035	6.43
284	109	110	1.6518	2.7565	-0.0027	4.4057	6.2214	0.1612	0.0064	6.389
285	111	110	1.6468	2.7568	-0.0028	4.4007	6.207	0.1587	0.0058	6.3715
286	108	110	1.6401	2.757	-0.0027	4.3944	6.1651	0.1647	0.0026	6.3324
287	109	110	1.6329	2.757	-0.0026	4.3873	6.1235	0.1699	0.0019	6.2953

288	111	110	1.6263	2.7568	-0.0024	4.3807	6.0749	0.1697	0.0084	6.253
289	108	110	1.62	2.7571	-0.0022	4.375	6.0485	0.1653	0.0173	6.2311
290	111	110	1.6123	2.7575	-0.002	4.3678	6.0203	0.1596	0.0203	6.2003
291	112	110	1.6054	2.7572	-0.0022	4.3605	5.9785	0.1655	0.0195	6.1636
292	109	110	1.5984	2.7572	-0.0024	4.3532	5.9605	0.1792	0.0185	6.1582
293	111	109	1.5924	2.7576	-0.0025	4.3475	5.9199	0.1835	0.0189	6.1224
294	113	109	1.5864	2.7574	-0.0027	4.3412	5.8863	0.1797	0.0167	6.0827
295	112	108	1.58	2.7573	-0.0031	4.3342	5.8191	0.1768	0.0148	6.0107
296	110	108	1.5752	2.757	-0.0032	4.329	5.7961	0.176	0.0123	5.9844
297	111	108	1.5694	2.7562	-0.0033	4.3222	5.7569	0.1772	0.0107	5.9448
298	107	108	1.5638	2.7552	-0.0034	4.3155	5.7254	0.1675	0.0059	5.8988
299	107	107	1.5581	2.7544	-0.0035	4.3089	5.6687	0.1625	0.0021	5.8334
300	107	107	1.5515	2.7537	-0.0034	4.3018	5.6396	0.1605	0.0019	5.802
301	106	107	1.5471	2.753	-0.0032	4.2969	5.6041	0.151	0.0056	5.7607
302	104	106	1.5418	2.7526	-0.0032	4.2912	5.5655	0.1426	0.0103	5.7183
303	103	106	1.5359	2.7521	-0.003	4.2849	5.5095	0.1433	0.0128	5.6656
304	102	105	1.5305	2.7516	-0.0032	4.2789	5.457	0.1444	0.0138	5.6152
305	107	104	1.5265	2.7513	-0.0029	4.2749	5.411	0.1522	0.0077	5.571
306	101	103	1.5204	2.7512	-0.003	4.2686	5.3644	0.1456	0.0065	5.5166
307	103	103	1.5138	2.751	-0.0029	4.262	5.3201	0.1348	0.0081	5.463
308	106	102	1.5073	2.7509	-0.0031	4.255	5.2755	0.1322	0.0058	5.4135
309	105	101	1.5013	2.7509	-0.0032	4.249	5.2285	0.1263	0.0037	5.3585
310	102	100	1.4953	2.7511	-0.0035	4.2429	5.1883	0.1169	0.0026	5.3077
311	99.1	99.6	1.4897	2.7514	-0.0039	4.2372	5.1623	0.1165	0.0032	5.2819
312	99.8	99.1	1.4847	2.7516	-0.004	4.2323	5.1024	0.1076	0.0036	5.2136
313	101	98.5	1.4788	2.7515	-0.0041	4.2263	5.0665	0.1077	0.004	5.1782
314	95.3	98	1.4745	2.7507	-0.0042	4.2211	5.016	0.1042	0.0037	5.1238
315	93.6	97.1	1.4712	2.7489	-0.004	4.2161	4.9643	0.0975	0.0039	5.0658
316	102	96.3	1.467	2.7478	-0.0038	4.211	4.9069	0.0911	0.0078	5.0059
317	92.9	95.5	1.4623	2.7476	-0.0034	4.2066	4.8584	0.0922	0.0045	4.9551
318	94.4	94.2	1.4586	2.7472	-0.003	4.2028	4.8166	0.0922	0.0023	4.9111
319	91.5	92.9	1.4541	2.7474	-0.0027	4.1988	4.7755	0.09	0.0039	4.8694
320	90.7	92.1	1.4502	2.7479	-0.0027	4.1954	4.7356	0.0886	0.0067	4.8309
321	93.9	91.2	1.4453	2.7483	-0.0029	4.1907	4.6795	0.0881	0.0072	4.7748
322	91.2	90.3	1.4409	2.7482	-0.0032	4.186	4.6249	0.0884	0.0036	4.7169
323	92.2	89.2	1.4366	2.7484	-0.0033	4.1817	4.5785	0.0834	0.0012	4.6631
324	89.6	88.6	1.4312	2.7487	-0.0034	4.1764	4.5273	0.082	0.0023	4.6116

325	86.6	87.8	1.4272	2.7485	-0.0037	4.172	4.4728	0.0953	-0.0001	4.568
326	88.7	86.7	1.4238	2.748	-0.004	4.1678	4.4179	0.1113	0.0001	4.5293
327	80.1	86	1.4207	2.7478	-0.0038	4.1647	4.3788	0.1055	0.0054	4.4896
328	80.2	85.4	1.4164	2.747	-0.0037	4.1597	4.3231	0.1006	0.0084	4.432
329	87.1	84.8	1.4134	2.7464	-0.0034	4.1564	4.2803	0.1048	0.0095	4.3946
330	82.6	84.1	1.4094	2.7457	-0.0033	4.1518	4.2163	0.1059	0.014	4.3362
331	81.6	83	1.4052	2.7455	-0.0031	4.1476	4.1638	0.1136	0.0131	4.2905
332	81.1	82.3	1.4011	2.7455	-0.003	4.1437	4.1157	0.1073	0.0104	4.2335
333	83	81.5	1.3969	2.7457	-0.0031	4.1395	4.0601	0.1095	0.0064	4.1759
334	79	80.8	1.392	2.7462	-0.003	4.1352	4.0275	0.1043	0.001	4.1328
335	80.2	80.1	1.3888	2.7458	-0.0027	4.1319	3.9652	0.1005	-0.0036	4.0621
336	80.5	79.3	1.3855	2.7453	-0.0028	4.1281	3.9366	0.0994	-0.0034	4.0325
337	82.8	78.8	1.3819	2.7456	-0.0035	4.124	3.8831	0.0994	0.0007	3.9833
338	79.9	78.1	1.3776	2.7461	-0.0043	4.1194	3.8335	0.0959	0.0028	3.9322
339	77.8	77.1	1.3744	2.7465	-0.0044	4.1165	3.797	0.0866	0.0047	3.8883
340	73.6	76.5	1.3708	2.7456	-0.0042	4.1122	3.7334	0.1137	0.0064	3.8535
341	78.2	75.9	1.3669	2.7443	-0.004	4.1072	3.6723	0.1171	0.0078	3.7972
342	76.3	75.2	1.3633	2.7438	-0.0041	4.103	3.6198	0.1052	0.0071	3.7321
343	75.6	74.3	1.3597	2.7437	-0.004	4.0994	3.5751	0.0969	0.0038	3.6758
344	73.3	73.7	1.3571	2.7438	-0.0039	4.097	3.5332	0.1001	0.0016	3.6349
345	73.7	72.9	1.3542	2.7439	-0.0037	4.0944	3.5031	0.0859	0.0001	3.5891
346	70.6	72	1.3513	2.7439	-0.0036	4.0915	3.4597	0.0763	-0.0015	3.5345
347	68.1	70.9	1.3475	2.7446	-0.0036	4.0885	3.4395	0.069	-0.0024	3.5061
348	66.7	69.8	1.3445	2.745	-0.0036	4.0859	3.4033	0.0581	-0.0035	3.4579
349	71.1	69	1.3415	2.7447	-0.0037	4.0825	3.3591	0.0532	-0.004	3.4083
350	70.4	68.5	1.339	2.7445	-0.0038	4.0797	3.3216	0.0493	-0.0071	3.3637
351	67.7	67.7	1.3358	2.7447	-0.0041	4.0763	3.2806	0.0432	-0.0074	3.3164
352	66.8	66.8	1.3337	2.7445	-0.0043	4.0739	3.2519	0.0438	-0.0047	3.2911
353	66.6	65.8	1.3311	2.7439	-0.0041	4.0709	3.2221	0.035	-0.006	3.2511
354	64.8	65	1.3279	2.7436	-0.0039	4.0677	3.176	0.0273	-0.0036	3.1998
355	63.1	64.2	1.3249	2.7442	-0.0038	4.0654	3.1429	0.0249	-0.0044	3.1635
356	62.5	63.4	1.3223	2.745	-0.0039	4.0634	3.1147	0.0299	-0.0026	3.142
357	59.7	62.9	1.3192	2.745	-0.0035	4.0607	3.0692	0.035	-0.0013	3.1029
358	62.1	62.4	1.3163	2.7455	-0.0031	4.0586	3.0236	0.0384	0.0053	3.0673
359	64.3	61.5	1.3131	2.746	-0.0031	4.0559	2.972	0.0464	0.0062	3.0246
360	63.5	60.9	1.3105	2.746	-0.0033	4.0533	2.9233	0.0564	0.0055	2.9852
361	58.2	60.4	1.3081	2.7467	-0.0034	4.0514	2.8787	0.0712	0.0047	2.9546

362	57.4	59.8	1.3052	2.7464	-0.0031	4.0485	2.835	0.0832	0.0011	2.9193
363	56.9	59.1	1.3021	2.7466	-0.0031	4.0456	2.8026	0.0998	0.0016	2.9041
364	58.6	58.7	1.2997	2.7471	-0.003	4.0438	2.7589	0.1091	-0.0009	2.8671
365	56.5	58.3	1.2974	2.7477	-0.0033	4.0417	2.7366	0.1059	-0.0031	2.8395
366	57.8	58	1.2946	2.7476	-0.0032	4.039	2.7228	0.088	-0.0046	2.8061
367	57.8	57.7	1.2917	2.7475	-0.0032	4.0361	2.6965	0.079	-0.0033	2.7722
368	54.3	57.3	1.2899	2.7475	-0.0033	4.0341	2.6645	0.0746	0.0007	2.7397
369	57.5	56.9	1.2865	2.7473	-0.0035	4.0304	2.6467	0.0757	0.0072	2.7295
370	59.3	56.3	1.2849	2.7472	-0.0037	4.0284	2.6076	0.0757	0.0104	2.6937
371	54.8	56	1.2824	2.7472	-0.0036	4.026	2.576	0.0863	0.0102	2.6725
372	54.5	55.7	1.2803	2.7468	-0.0033	4.0238	2.5453	0.0923	0.0077	2.6454
373	55.7	55.4	1.2774	2.7465	-0.0033	4.0206	2.5146	0.1031	0.0016	2.6194
374	56	55	1.2763	2.7448	-0.0032	4.0179	2.4835	0.1121	-0.0039	2.5916
375	56.7	54.6	1.2751	2.7429	-0.0033	4.0147	2.4504	0.1141	-0.0054	2.5591
376	55.1	54.2	1.2725	2.7434	-0.0035	4.0124	2.4278	0.1109	-0.0049	2.5338
377	54.7	53.8	1.2707	2.7436	-0.0035	4.0108	2.4019	0.1089	-0.0068	2.504
378	55.1	53.4	1.2675	2.7433	-0.0034	4.0074	2.3845	0.1115	-0.0057	2.4903
379	52.3	53	1.266	2.7438	-0.0035	4.0063	2.3535	0.1078	-0.0047	2.4566
380	52.3	52.3	1.2643	2.7436	-0.0034	4.0045	2.3373	0.1044	-0.0011	2.4406
381	52.9	51.8	1.2621	2.7445	-0.0032	4.0033	2.3008	0.0974	-0.0014	2.3968
382	50.8	51.5	1.2601	2.745	-0.0028	4.0022	2.272	0.1018	0.0025	2.3763
383	50.3	51	1.2575	2.7457	-0.0026	4.0006	2.2449	0.1002	0.0017	2.3468
384	49.8	50.7	1.2553	2.7465	-0.0024	3.9994	2.2217	0.0947	0.001	2.3174
385	50.7	50.2	1.2531	2.7468	-0.0024	3.9975	2.1884	0.1003	0.0026	2.2914
386	48.8	49.8	1.2518	2.747	-0.0027	3.9961	2.1721	0.0976	0.0064	2.2761
387	48.2	49.5	1.2495	2.7474	-0.0029	3.9941	2.152	0.0895	0.0085	2.25
388	48.5	48.9	1.2466	2.7482	-0.0029	3.9919	2.128	0.0945	0.0038	2.2263
389	46.3	48.7	1.2467	2.7458	-0.0028	3.9896	2.0956	0.0939	-0.0029	2.1866
390	45.5	48.4	1.2451	2.7458	-0.0028	3.9881	2.0756	0.094	-0.0031	2.1665
391	48.5	48	1.2435	2.7467	-0.0029	3.9873	2.0531	0.0859	-0.0026	2.1364
392	47.2	47.8	1.2409	2.7475	-0.0028	3.9856	2.0197	0.0741	-0.0006	2.0932
393	49.8	47.5	1.2391	2.7476	-0.0027	3.984	1.9943	0.0789	-0.0034	2.0698
394	47.7	47.2	1.2361	2.7488	-0.0027	3.9822	1.9664	0.08	-0.0041	2.0423
395	47.4	47	1.234	2.7497	-0.0029	3.9808	1.9579	0.0794	0.0001	2.0374
396	47.5	46.9	1.2313	2.7501	-0.003	3.9784	1.9419	0.083	0.0063	2.0312
397	45.5	46.8	1.2291	2.7504	-0.003	3.9764	1.9181	0.0825	0.0113	2.0119
398	47.3	46.6	1.2279	2.7498	-0.003	3.9747	1.8861	0.0928	0.0104	1.9893

399	47.1	46.4	1.2259	2.7494	-0.0028	3.9725	1.8618	0.1048	0.0051	1.9717
400	44.6	46.3	1.2235	2.7494	-0.0027	3.9702	1.8386	0.112	-0.0004	1.9502
401	47.1	46	1.2219	2.7487	-0.0028	3.9678	1.8356	0.1179	-0.0061	1.9474
402	44.2	45.7	1.2196	2.7491	-0.0026	3.9661	1.8234	0.1136	-0.0102	1.9268
403	45.3	45.3	1.2183	2.7493	-0.0027	3.965	1.8212	0.1087	-0.0095	1.9203
404	46.8	45	1.2162	2.7491	-0.0028	3.9626	1.8071	0.1018	-0.007	1.9019
405	46.7	44.7	1.215	2.7483	-0.0027	3.9607	1.795	0.0966	-0.0029	1.8887
406	45	44.3	1.2134	2.7477	-0.0028	3.9583	1.7753	0.107	-0.0005	1.8817
407	45.4	44	1.2115	2.7472	-0.0034	3.9552	1.7623	0.1202	-0.0035	1.8791
408	43.6	43.7	1.2101	2.7462	-0.0038	3.9526	1.7453	0.1269	-0.0013	1.8709
409	43.1	43.3	1.209	2.7453	-0.0038	3.9505	1.7289	0.1331	0.0017	1.8637
410	42	43.2	1.2074	2.744	-0.004	3.9474	1.7163	0.135	0.0076	1.8589
411	42.3	42.8	1.2062	2.7431	-0.004	3.9452	1.7075	0.1324	0.009	1.8489
412	42.7	42.6	1.2044	2.7416	-0.0042	3.9419	1.6965	0.148	0.0073	1.8518
413	41.1	42.4	1.2029	2.7406	-0.004	3.9395	1.6848	0.1506	0.0079	1.8433
414	41.1	42	1.2009	2.7401	-0.0039	3.9371	1.6646	0.1561	0.0053	1.8259
415	40.7	41.6	1.199	2.7401	-0.0036	3.9355	1.6515	0.1572	0.0092	1.8178
416	39.8	41.3	1.1973	2.7399	-0.0035	3.9338	1.6447	0.159	0.0088	1.8125
417	40.7	40.9	1.1959	2.7402	-0.0034	3.9326	1.6307	0.1588	0.0114	1.8008
418	40.8	40.6	1.1939	2.7397	-0.0037	3.9298	1.6105	0.1593	0.0139	1.7837
419	41.6	40.3	1.1933	2.7399	-0.0037	3.9295	1.5974	0.1716	0.0147	1.7837
420	39.6	40.2	1.1926	2.7393	-0.0037	3.9282	1.5644	0.1816	0.0122	1.7583
421	41.4	39.8	1.1907	2.7391	-0.0037	3.9261	1.5495	0.1873	0.0074	1.7443
422	41.4	39.6	1.1894	2.7379	-0.0033	3.924	1.5294	0.1895	0.0084	1.7273
423	39.9	39.3	1.1882	2.7372	-0.0029	3.9226	1.5177	0.1862	0.0085	1.7124
424	39	39	1.1861	2.7373	-0.0029	3.9205	1.4965	0.182	0.0023	1.6809
425	38.2	38.8	1.1844	2.7374	-0.0033	3.9186	1.4983	0.1597	0.0034	1.6614
426	37.7	38.6	1.1836	2.7372	-0.0033	3.9174	1.4988	0.132	0.0054	1.6361
427	38	38.4	1.1822	2.7366	-0.0032	3.9157	1.4873	0.137	0.0045	1.6288
428	38	38.1	1.181	2.7362	-0.0032	3.914	1.4801	0.1386	0.0042	1.6229
429	39.4	37.7	1.1796	2.736	-0.0033	3.9123	1.4565	0.1371	0.0049	1.5984
430	35.9	37.6	1.1793	2.736	-0.0032	3.9121	1.4653	0.1444	0.004	1.6137
431	38.1	37.2	1.178	2.7353	-0.0034	3.9099	1.4634	0.14	0.0042	1.6075
432	36	36.9	1.1766	2.7355	-0.0031	3.909	1.4696	0.1317	0.0096	1.6109
433	35.4	36.7	1.1747	2.7362	-0.0032	3.9077	1.4679	0.1319	0.019	1.6187
434	36.1	36.5	1.1731	2.7361	-0.0032	3.906	1.4516	0.1324	0.0259	1.6098
435	36.1	36.3	1.1716	2.736	-0.0033	3.9043	1.4435	0.1414	0.0293	1.6142

436	36.9	36.3	1.1703	2.7364	-0.0037	3.9031	1.435	0.149	0.027	1.611
437	35.9	36.3	1.1691	2.7362	-0.0039	3.9014	1.4413	0.1576	0.0213	1.6202
438	34.4	36.2	1.168	2.7367	-0.004	3.9007	1.4332	0.1682	0.0192	1.6205
439	36.1	36	1.1669	2.7371	-0.0041	3.8999	1.4215	0.1743	0.018	1.6138
440	34.5	36.1	1.1655	2.737	-0.0039	3.8986	1.4392	0.1493	0.0155	1.604
441	35.3	36.1	1.165	2.7369	-0.004	3.8978	1.4357	0.1474	0.0133	1.5964
442	36.2	36.1	1.1638	2.7359	-0.0038	3.896	1.441	0.1529	0.0097	1.6037
443	35.3	36.1	1.1631	2.7357	-0.0036	3.8952	1.4361	0.1503	0.0075	1.5939
444	34.9	36.1	1.1613	2.7359	-0.0039	3.8933	1.4417	0.1417	0.0103	1.5937
445	36.6	36.1	1.16	2.7356	-0.0043	3.8913	1.426	0.1536	0.0131	1.5926
446	38	36	1.1594	2.7357	-0.0048	3.8903	1.4322	0.1581	0.0101	1.6004
447	37.3	36	1.1588	2.7354	-0.0046	3.8896	1.4185	0.1611	0.0108	1.5904
448	35.9	36	1.1584	2.7345	-0.0041	3.8888	1.4152	0.1593	0.013	1.5875
449	37.9	36	1.1576	2.7335	-0.0036	3.8875	1.4309	0.1523	0.0135	1.5967
450	37.1	36.1	1.1555	2.7327	-0.0032	3.885	1.4297	0.1496	0.017	1.5963
451	35.5	36	1.1534	2.7333	-0.0031	3.8837	1.4206	0.1543	0.019	1.5939
452	36.4	36	1.1516	2.7336	-0.0033	3.8818	1.4202	0.1502	0.0167	1.5871
453	36.4	35.9	1.1504	2.7337	-0.0034	3.8807	1.4031	0.1616	0.0171	1.5819
454	35	35.9	1.1484	2.7339	-0.0036	3.8788	1.389	0.1692	0.0134	1.5716
455	35.1	35.9	1.1473	2.7335	-0.0037	3.8772	1.3693	0.1741	0.0098	1.5532
456	35.3	35.8	1.1461	2.733	-0.0035	3.8755	1.3614	0.1765	0.0043	1.5422
457	35.3	35.6	1.1447	2.7323	-0.0034	3.8736	1.3585	0.1695	0.0014	1.5294
458	35.8	35.5	1.1434	2.7322	-0.0033	3.8723	1.3449	0.1678	-0.0058	1.5069
459	36.6	35.4	1.1414	2.7325	-0.0039	3.8701	1.3442	0.1512	-0.0097	1.4857
460	33.4	35.3	1.1398	2.7328	-0.0042	3.8684	1.3452	0.1325	-0.0058	1.472
461	36.3	35.3	1.1385	2.7319	-0.0041	3.8663	1.3372	0.1129	-0.0037	1.4464
462	33.6	35.3	1.1367	2.7314	-0.0039	3.8642	1.3392	0.1127	-0.0126	1.4393
463	35.1	35.3	1.1357	2.731	-0.0036	3.8631	1.3244	0.1014	-0.007	1.4188
464	36.1	35.3	1.1346	2.7314	-0.004	3.862	1.3179	0.0882	-0.0039	1.4021
465	35.5	35.4	1.1329	2.7318	-0.0042	3.8605	1.3825	0.0742	-0.0681	1.3886
466	33.8	35.3	1.1316	2.7318	-0.0044	3.859	1.3494	0.0653	-0.0343	1.3803
467	34.6	35.3	1.1307	2.7316	-0.0046	3.8577	1.3421	0.0515	-0.0322	1.3613
468	34.9	35.2	1.1302	2.7303	-0.0048	3.8558	1.341	0.0436	-0.0349	1.3497
469	35.8	35.2	1.1301	2.7291	-0.0047	3.8545	1.3304	0.0356	-0.0376	1.3284
470	35.8	35.4	1.1299	2.7285	-0.0044	3.854	1.3333	0.0365	-0.0346	1.3353
471	36.7	35.3	1.1294	2.7282	-0.0044	3.8532	1.3336	0.0294	-0.0321	1.3308
472	36.3	35.4	1.1286	2.7282	-0.0042	3.8526	1.3257	0.0267	-0.0314	1.321

473	35.3	35.5	1.1277	2.7283	-0.0035	3.8525	1.3282	0.0145	-0.029	1.3138
474	35.9	35.5	1.1265	2.7288	-0.0036	3.8517	1.3275	0.0038	-0.0233	1.308
475	34	35.5	1.1253	2.7297	-0.0038	3.8511	1.317	0.0095	-0.021	1.3055
476	34.9	35.5	1.1238	2.7297	-0.0039	3.8495	1.3003	0.0305	-0.0274	1.3033
477	35.3	35.5	1.1227	2.7297	-0.0039	3.8485	1.3073	0.0262	-0.0264	1.3071
478	36.2	35.5	1.1218	2.7296	-0.0039	3.8476	1.3046	0.0143	-0.0224	1.2965
479	36.4	35.5	1.1195	2.7293	-0.0039	3.845	1.3037	0.0068	-0.0192	1.2914
480	34.3	35.5	1.1179	2.7296	-0.0038	3.8438	1.2998	0.0056	-0.0194	1.286
481	36.4	35.4	1.1151	2.7313	-0.0042	3.8422	1.3082	0.0084	-0.0166	1.3
482	36.3	35.4	1.1133	2.7318	-0.0047	3.8404	1.3117	0.0037	-0.0174	1.298
483	36.5	35.5	1.1124	2.7325	-0.0052	3.8396	1.3114	0.0088	-0.0144	1.3059
484	34.7	35.5	1.111	2.7323	-0.0053	3.838	1.3064	0.0234	-0.0179	1.3119
485	34.9	35.4	1.1096	2.7319	-0.0051	3.8364	1.3204	0.0108	-0.0172	1.3139
486	33.8	35.3	1.1077	2.7313	-0.0049	3.8341	1.334	0.0146	-0.031	1.3175
487	35.8	35.3	1.1062	2.7306	-0.0048	3.832	1.3375	0.0294	-0.0358	1.3312
488	35.9	35.1	1.1044	2.7308	-0.0047	3.8305	1.3353	0.0364	-0.0382	1.3335
489	34.4	34.8	1.1027	2.7308	-0.0044	3.8292	1.3262	0.0452	-0.0404	1.3309
490	34.9	34.6	1.1015	2.7311	-0.0041	3.8284	1.3272	0.0486	-0.039	1.3368
491	36.5	34.5	1.0994	2.7314	-0.0039	3.8269	1.3226	0.0524	-0.0334	1.3415
492	36.9	34.3	1.0973	2.7325	-0.0035	3.8262	1.3229	0.061	-0.0309	1.353
493	35.6	34	1.0949	2.7334	-0.0037	3.8246	1.3158	0.0601	-0.0299	1.3459
494	33.3	33.8	1.0935	2.7334	-0.004	3.823	1.3089	0.0616	-0.0279	1.3426
495	33.4	33.6	1.0908	2.7339	-0.0039	3.8208	1.2959	0.0646	-0.033	1.3275
496	34.2	33.6	1.0894	2.734	-0.0041	3.8194	1.2929	0.0711	-0.0421	1.3218
497	32.1	33.5	1.0876	2.7344	-0.0043	3.8177	1.2963	0.0699	-0.044	1.3222
498	31.6	33.3	1.0848	2.7346	-0.0043	3.815	1.307	0.0559	-0.0397	1.3232
499	31.1	33.3	1.0829	2.7345	-0.0045	3.8129	1.3215	0.0577	-0.0517	1.3275
500	33.3	33.3	1.0814	2.734	-0.0046	3.8108	1.3481	0.0575	-0.0747	1.3309
501	32.9	33.1	1.0799	2.7336	-0.0044	3.8091	1.3415	0.0479	-0.0659	1.3234
502	30.5	32.9	1.0792	2.733	-0.0043	3.8079	1.3364	0.0467	-0.0619	1.3213
503	31.3	32.7	1.0794	2.7324	-0.004	3.8078	1.3318	0.044	-0.0669	1.309
504	31.4	32.8	1.0793	2.7317	-0.0037	3.8072	1.3292	0.037	-0.0643	1.3019
505	34.1	32.8	1.0789	2.7307	-0.0031	3.8064	1.3179	0.0327	-0.0583	1.2923
506	33	32.7	1.0776	2.7307	-0.003	3.8053	1.3259	0.0234	-0.0599	1.2894
507	32.6	32.7	1.077	2.7304	-0.0028	3.8045	1.3426	0.0165	-0.0552	1.3039
508	33.7	32.8	1.0757	2.7311	-0.0028	3.804	1.3424	0.0218	-0.0544	1.3099
509	34.7	32.9	1.0745	2.732	-0.0032	3.8033	1.3391	0.0371	-0.0514	1.3248

510	33.5	32.9	1.0737	2.7327	-0.0036	3.8028	1.3157	0.0525	-0.0639	1.3042
511	32.3	33	1.0722	2.7318	-0.0028	3.8013	1.2966	0.0604	-0.0779	1.2791
512	33.1	33.2	1.072	2.7315	-0.0035	3.8	1.288	0.0497	-0.0816	1.2561
513	34.5	33.4	1.0712	2.7318	-0.0036	3.7993	1.278	0.0422	-0.0798	1.2405
514	34.2	33.5	1.0626	2.7327	0.0029	3.7983	1.2767	0.0372	-0.0789	1.235
515	32.3	33.4	1.064	2.7335	-0.0001	3.7974	1.2703	0.0456	-0.0845	1.2314
516	32.1	33.4	1.0631	2.7348	-0.0002	3.7976	1.2527	0.0522	-0.0859	1.219
517	31.9	33.5	1.0618	2.7358	0.0001	3.7977	1.2441	0.0557	-0.0883	1.2115
518	33.1	33.5	1.0608	2.7361	0	3.797	1.2375	0.0585	-0.0889	1.207
519	34.3	33.5	1.06	2.7362	-0.0003	3.7959	1.2413	0.0464	-0.0848	1.2029
520	34.4	33.6	1.0592	2.7364	-0.0005	3.7951	1.239	0.0445	-0.0851	1.1984
521	34	33.8	1.0582	2.7364	-0.0005	3.794	1.2434	0.0409	-0.0721	1.2122
522	34.8	33.9	1.0566	2.7365	-0.0004	3.7927	1.2534	0.0402	-0.0691	1.2245
523	33.3	33.8	1.0555	2.7369	-0.0006	3.7918	1.2543	0.0351	-0.0682	1.2212
524	33.2	33.8	1.0544	2.7363	-0.0008	3.7899	1.2611	0.0373	-0.063	1.2354
525	33.1	33.9	1.0544	2.7344	-0.0005	3.7883	1.265	0.0478	-0.0618	1.2511
526	34.1	34	1.0528	2.7345	-0.0007	3.7867	1.2661	0.0654	-0.0617	1.2698
527	34.3	34.1	1.0518	2.7352	-0.001	3.786	1.2626	0.0675	-0.0599	1.2702
528	35	34.1	1.0506	2.7355	-0.0013	3.7849	1.2666	0.0647	-0.0607	1.2706
529	34.8	34.1	1.0496	2.7354	-0.0013	3.7837	1.2727	0.0587	-0.0617	1.2697
530	34.9	34	1.0485	2.7352	-0.0015	3.7821	1.2627	0.0504	-0.0628	1.2503
531	35	33.9	1.0468	2.7349	-0.0016	3.7801	1.2539	0.0471	-0.0612	1.2398
532	33.8	33.8	1.0455	2.7346	-0.0017	3.7784	1.2421	0.0619	-0.067	1.2371
533	33.2	33.7	1.0441	2.7339	-0.0014	3.7765	1.2473	0.0641	-0.076	1.2355
534	34.3	33.7	1.0411	2.7351	-0.0015	3.7747	1.2593	0.0556	-0.0861	1.2288
535	35.3	33.6	1.0382	2.7345	-0.0002	3.7726	1.2631	0.05	-0.0849	1.2281
536	33.3	33.5	1.0366	2.7334	-0.0001	3.7699	1.2603	0.0383	-0.0791	1.2195
537	33.4	33.4	1.0356	2.7325	0	3.7681	1.2523	0.0336	-0.0776	1.2083
538	32.9	33.2	1.0354	2.7322	0.0001	3.7677	1.2392	0.0373	-0.0819	1.1946
539	33.1	33.1	1.0342	2.7322	-0.0002	3.7662	1.2242	0.0481	-0.0841	1.1882
540	32.3	32.9	1.0332	2.7318	-0.0006	3.7644	1.213	0.0537	-0.0815	1.1851
541	32.8	32.7	1.0327	2.7308	-0.0009	3.7625	1.215	0.0482	-0.0772	1.1861
542	32.2	32.5	1.0323	2.7299	-0.0008	3.7614	1.2122	0.0412	-0.072	1.1813
543	31.7	32.3	1.0322	2.7295	-0.0008	3.761	1.2041	0.0462	-0.0647	1.1856
544	32.5	32	1.0317	2.7294	-0.0006	3.7605	1.185	0.052	-0.067	1.17
545	32.2	31.8	1.0307	2.7285	-0.0001	3.7591	1.19	0.039	-0.0791	1.1499
546	31.8	31.6	1.0298	2.7287	-0.0004	3.7581	1.1784	0.0375	-0.08	1.1359

547	32	31.5	1.0281	2.7298	-0.0007	3.7573	1.1729	0.0298	-0.0795	1.1233
548	31.7	31.5	1.0262	2.7287	0.0011	3.756	1.1776	0.0284	-0.0751	1.1309
549	31.3	31.3	1.0228	2.7278	0.0038	3.7544	1.1714	0.0292	-0.0735	1.127
550	31	31.4	1.0213	2.7279	0.0034	3.7526	1.1647	0.0303	-0.0795	1.1155
551	29.9	31.4	1.0198	2.7287	0.0031	3.7515	1.1609	0.0365	-0.0843	1.1131
552	29	31.4	1.0184	2.7292	0.0034	3.751	1.1545	0.0393	-0.0849	1.1089
553	29.6	31.6	1.0174	2.73	0.003	3.7505	1.1559	0.025	-0.0863	1.0946
554	32.1	31.5	1.0166	2.7307	0.0022	3.7496	1.16	0.0131	-0.0791	1.094
555	29.2	31.5	1.0147	2.7312	0.0023	3.7482	1.1639	-0.0017	-0.0744	1.0877
556	31.8	31.6	1.0118	2.7313	0.002	3.7451	1.1717	-0.0367	-0.065	1.07
557	31.4	31.6	1.0104	2.7302	0.002	3.7426	1.1631	-0.0379	-0.0608	1.0644
558	30.9	31.5	1.0095	2.7285	0.0018	3.7398	1.1638	-0.0436	-0.0621	1.0582
559	33.5	31.4	1.0099	2.7272	0.0025	3.7396	1.1678	-0.0388	-0.059	1.07
560	33	31.3	1.0101	2.7267	0.0036	3.7405	1.1689	-0.0269	-0.0602	1.0817
561	32.8	31.2	1.0097	2.7269	0.0041	3.7407	1.1779	-0.0143	-0.0658	1.0978
562	34	31.2	1.0089	2.7271	0.0041	3.7401	1.1743	-0.0181	-0.0601	1.0962
563	31.9	31.1	1.008	2.7272	0.0043	3.7396	1.1814	-0.0154	-0.0676	1.0984
564	32.2	30.9	1.0076	2.7268	0.0045	3.7389	1.1769	-0.0063	-0.0697	1.1009
565	33.3	31	1.0076	2.7265	0.0044	3.7386	1.099	0.0111	-0.0099	1.1002
566	31.3	31	1.0072	2.7262	0.0045	3.7378	1.1169	0.0212	-0.0414	1.0968
567	29.6	31	1.0069	2.7257	0.0043	3.737	1.1128	0.0335	-0.0405	1.1059
568	30	31	1.006	2.7257	0.0037	3.7355	1.0943	0.046	-0.0323	1.1079
569	29.6	30.9	1.0062	2.7247	0.0038	3.7347	1.0986	0.0665	-0.039	1.1261
570	27.5	30.8	1.0056	2.7244	0.0028	3.7327	1.1171	0.0766	-0.0946	1.0991
571	28.4	30.7	1.0041	2.7242	0.0025	3.7308	1.1098	0.0718	-0.0936	1.088
572	28.8	30.6	1.0031	2.7247	0.0027	3.7305	1.1003	0.058	-0.0929	1.0655
573	28.8	30.6	1.0016	2.7246	0.0028	3.729	1.1022	0.0493	-0.0903	1.0612
574	30.5	30.7	1	2.724	0.0026	3.7266	1.1184	0.0394	-0.0897	1.0681
575	31.5	30.6	0.9987	2.7231	0.0023	3.7241	1.129	0.0264	-0.0897	1.0657
576	31.3	30.7	0.9976	2.7229	0.002	3.7225	1.143	0.0093	-0.0846	1.0677
577	31.2	30.8	0.9961	2.7232	0.0021	3.7214	1.1363	0.0165	-0.0814	1.0714
578	31.3	30.9	0.9946	2.7238	0.0023	3.7206	1.1212	0.0428	-0.083	1.0811
579	30.9	31.1	0.9932	2.7243	0.0024	3.7199	1.1086	0.0684	-0.0858	1.0911
580	30.7	31.3	0.9925	2.7249	0.0023	3.7198	1.1053	0.0841	-0.0848	1.1047
581	32	31.5	0.9909	2.7251	0.0025	3.7185	1.0958	0.0854	-0.0814	1.0998
582	32	31.7	0.9886	2.7254	0.0029	3.7168	1.0915	0.0806	-0.0817	1.0903
583	33.6	31.8	0.9864	2.7269	0.0034	3.7167	1.0812	0.0755	-0.08	1.0767

584	32.7	31.8	0.9847	2.7273	0.0032	3.7152	1.0731	0.0743	-0.0773	1.0701
585	32.1	31.8	0.9836	2.7281	0.0028	3.7144	1.0532	0.0904	-0.075	1.0687
586	32.7	31.7	0.9825	2.7279	0.0029	3.7133	1.0359	0.0965	-0.0596	1.0728
587	32.2	31.7	0.9823	2.7269	0.0034	3.7126	1.0377	0.0898	-0.0597	1.0677
588	31.9	31.7	0.982	2.7259	0.0037	3.7117	1.036	0.0764	-0.0611	1.0513
589	31.7	31.6	0.9814	2.7255	0.0038	3.7107	1.0515	0.0663	-0.0594	1.0583
590	32.4	31.5	0.98	2.7263	0.0036	3.7098	1.0557	0.0561	-0.0598	1.0519
591	32.5	31.3	0.9781	2.7273	0.0033	3.7088	1.0657	0.0498	-0.0649	1.0506
592	30.8	31.2	0.9769	2.7279	0.0029	3.7077	1.0657	0.0421	-0.0702	1.0376
593	30.3	31	0.9764	2.7282	0.003	3.7076	1.0701	0.0406	-0.0697	1.041
594	30.9	30.8	0.9745	2.7296	0.0039	3.708	1.0794	0.0434	-0.0707	1.0521
595	30.4	30.7	0.9729	2.7302	0.0041	3.7072	1.0756	0.0505	-0.0691	1.0571
596	31.6	30.7	0.9721	2.7311	0.0039	3.7071	1.0665	0.0451	-0.0626	1.049
597	30	30.7	0.9698	2.7316	0.0032	3.7046	1.0618	0.053	-0.0653	1.0495
598	29.2	30.6	0.9676	2.7317	0.003	3.7023	1.0643	0.0676	-0.0739	1.0581
599	28.7	30.4	0.9665	2.7314	0.0034	3.7013	1.0544	0.0534	-0.0537	1.0541
600	28.5	30.2	0.9653	2.7303	0.0038	3.6995	1.0287	0.0374	-0.0213	1.0448
601	29.8	30	0.9644	2.7297	0.004	3.6982	1.0393	0.0218	-0.0232	1.0379
602	30.2	29.8	0.9637	2.7305	0.0043	3.6984	1.0343	0.0169	-0.0241	1.027
603	30	29.7	0.9634	2.7311	0.0039	3.6984	1.025	0.0302	-0.0182	1.037
604	30.2	29.6	0.9629	2.7319	0.0037	3.6985	1.0171	0.056	-0.021	1.0521
605	32.6	29.5	0.9617	2.7343	0.0034	3.6994	1.0121	0.0798	-0.0275	1.0644
606	31.4	29.4	0.9613	2.7345	0.0031	3.6989	0.9956	0.0989	-0.0263	1.0682
607	29.5	29.2	0.9606	2.7347	0.0034	3.6987	0.9761	0.1108	-0.0365	1.0504
608	28.9	29.1	0.9589	2.735	0.0031	3.697	0.9708	0.0991	-0.038	1.0319
609	28.6	29.1	0.9576	2.7347	0.0028	3.6951	0.9666	0.0802	-0.0378	1.009
610	28.6	29.1	0.9559	2.7342	0.0029	3.693	0.9766	0.0689	-0.0299	1.0157
611	27.5	29	0.9548	2.7336	0.0032	3.6917	0.9863	0.0644	-0.0191	1.0317
612	28.3	28.8	0.9538	2.733	0.0033	3.6901	0.9888	0.0659	-0.0114	1.0432
613	28.7	28.7	0.9535	2.7324	0.0034	3.6892	0.9883	0.0702	-0.0121	1.0464
614	28.6	28.6	0.9527	2.7316	0.0039	3.6883	0.989	0.0682	-0.0101	1.047
615	28.8	28.4	0.9523	2.7314	0.004	3.6877	0.9923	0.0627	-0.0091	1.0459
616	26.9	28.3	0.9518	2.7314	0.0038	3.687	1.0047	0.0606	-0.0111	1.0542
617	27.2	28.3	0.9524	2.7312	0.0033	3.6869	1.0049	0.058	-0.0108	1.0522
618	28.4	28.3	0.951	2.7295	0.0039	3.6844	1.0011	0.0554	-0.0087	1.0479
619	28.6	28.4	0.9483	2.7285	0.0092	3.686	1.0049	0.0503	-0.0137	1.0415
620	28.4	28.4	0.9483	2.7292	0.0089	3.6863	1.0189	0.0359	-0.02	1.0347

621	26.4	28.4	0.9481	2.7306	0.0088	3.6875	1.021	0.0333	-0.0325	1.0218
622	27.2	28.6	0.9464	2.7316	0.0086	3.6866	1.0173	0.031	-0.0323	1.016
623	28.9	28.6	0.9437	2.7329	0.0084	3.685	1.0226	0.0283	-0.0303	1.0207
624	28.7	28.6	0.9415	2.7337	0.0082	3.6833	1.031	0.0276	-0.0304	1.0282
625	29.1	28.7	0.9401	2.7335	0.0079	3.6815	1.0291	0.0172	-0.0385	1.0078
626	29.2	28.9	0.9392	2.7329	0.0075	3.6796	1.0168	0.0121	-0.0429	0.986
627	28.9	29.1	0.9397	2.7309	0.0073	3.6779	1.0113	-0.0018	-0.0439	0.9655
628	30.9	29.1	0.9398	2.7287	0.0073	3.6757	1.0045	-0.0094	-0.046	0.9491
629	28.3	29.1	0.9391	2.727	0.0071	3.6733	0.9994	-0.008	-0.0505	0.941
630	29	29.2	0.9389	2.7266	0.0066	3.6721	0.9925	-0.0043	-0.0547	0.9335
631	30.3	29.2	0.9377	2.7269	0.0065	3.6711	0.991	0.0032	-0.0583	0.9358
632	30	29.3	0.9374	2.727	0.0063	3.6707	0.9776	0.0074	-0.0602	0.9248
633	28.8	29.2	0.9368	2.7265	0.0063	3.6695	0.9541	0.0115	-0.0574	0.9081
634	30	29.2	0.9358	2.726	0.006	3.6678	0.9383	0.0233	-0.0571	0.9045
635	30.7	29.1	0.9346	2.7249	0.0058	3.6653	0.9366	0.0238	-0.0599	0.9005
636	31	29	0.9328	2.7245	0.0059	3.6632	0.9397	0.0216	-0.0634	0.8979
637	28.4	28.9	0.932	2.7249	0.0061	3.6629	0.941	0.0052	-0.0581	0.8882
638	28.3	28.7	0.9303	2.7255	0.006	3.6618	0.9551	-0.0181	-0.052	0.885
639	29.9	28.6	0.9286	2.7266	0.0058	3.661	0.9716	-0.0301	-0.0478	0.8937
640	27.8	28.5	0.9266	2.7268	0.0059	3.6594	0.98	-0.0343	-0.0474	0.8982
641	28.6	28.3	0.9261	2.7266	0.0061	3.6588	0.9873	-0.0309	-0.0485	0.9079
642	27.2	28	0.9253	2.7259	0.0062	3.6573	0.9745	-0.0235	-0.0513	0.8998
643	27.9	27.9	0.9243	2.7252	0.0063	3.6557	0.9793	-0.0215	-0.0588	0.8991
644	27.9	27.7	0.9242	2.7244	0.0063	3.6548	0.9914	-0.0225	-0.0555	0.9134
645	27.1	27.6	0.9241	2.724	0.0061	3.6542	0.9821	-0.0124	-0.038	0.9316
646	26.6	27.4	0.9236	2.7234	0.0062	3.6532	0.9799	-0.0047	-0.035	0.9401
647	27.7	27.3	0.9217	2.723	0.0067	3.6514	0.9806	0.0028	-0.0352	0.9482
648	26.7	27.1	0.9208	2.7234	0.0064	3.6506	0.9688	0.0173	-0.0425	0.9437
649	26.5	27	0.9199	2.724	0.006	3.6499	0.9491	0.0324	-0.0475	0.9339
650	26.6	26.9	0.9174	2.7257	0.0057	3.6488	0.9353	0.0424	-0.0415	0.9361
651	24.6	26.9	0.9164	2.727	0.0055	3.6488	0.9191	0.0443	-0.0381	0.9252
652	26.7	26.8	0.9159	2.7262	0.0052	3.6473	0.9053	0.0491	-0.0362	0.9182
653	26.8	26.7	0.9157	2.7245	0.0051	3.6453	0.8995	0.0611	-0.0368	0.9238
654	27.2	26.6	0.9154	2.7227	0.005	3.6431	0.8963	0.0791	-0.0479	0.9274
655	27.2	26.5	0.9152	2.7213	0.0049	3.6414	0.8993	0.0804	-0.0519	0.9278
656	26.8	26.4	0.9142	2.7202	0.0057	3.6401	0.8859	0.0941	-0.0528	0.9272
657	25.7	26.3	0.9133	2.7202	0.0058	3.6394	0.8835	0.0912	-0.0561	0.9185

658	26.8	26.1	0.9128	2.7205	0.0056	3.6389	0.8815	0.094	-0.0545	0.921
659	26.9	26.1	0.9122	2.7203	0.0055	3.6381	0.8635	0.0945	-0.0527	0.9052
660	27.5	26	0.9115	2.7203	0.0055	3.6373	0.8543	0.0901	-0.0537	0.8906
661	26.9	26.1	0.9108	2.7203	0.0052	3.6363	0.8407	0.0811	-0.0553	0.8666
662	25.4	26.1	0.91	2.7201	0.0053	3.6355	0.838	0.0688	-0.0535	0.8534
663	26	25.9	0.9091	2.7204	0.0053	3.6349	0.8441	0.0532	-0.0532	0.844
664	24.9	25.7	0.9083	2.7206	0.0054	3.6343	0.8977	0.0342	-0.0625	0.8694
665	25.4	25.6	0.9072	2.7205	0.0055	3.6331	0.9144	0.012	-0.0951	0.8313
666	24.6	25.5	0.9067	2.7204	0.0055	3.6326	0.9207	-0.0024	-0.0987	0.8196
667	24.1	25.4	0.9068	2.7202	0.0052	3.6322	0.9305	-0.0106	-0.1009	0.819
668	25.3	25.3	0.9055	2.7207	0.0051	3.6313	0.9479	-0.0243	-0.1082	0.8155
669	25.4	25.1	0.9043	2.7211	0.0058	3.6312	0.9391	-0.05	-0.1029	0.7861
670	25.6	24.9	0.9035	2.721	0.006	3.6306	0.9147	-0.063	-0.0537	0.798
671	26.4	24.8	0.9024	2.7211	0.0057	3.6292	0.9219	-0.0581	-0.0621	0.8017
672	24.4	24.8	0.9009	2.7219	0.0057	3.6284	0.9345	-0.0437	-0.063	0.8279
673	23.4	24.7	0.8985	2.7218	0.0058	3.6262	0.932	-0.0352	-0.0693	0.8275
674	24.8	24.7	0.8971	2.7223	0.0064	3.6258	0.9178	-0.0261	-0.0694	0.8224
675	24.1	24.7	0.897	2.7219	0.0066	3.6255	0.9027	-0.0218	-0.0658	0.8151
676	24.1	24.7	0.8964	2.7231	0.0064	3.626	0.8977	-0.0218	-0.0649	0.811
677	24.6	24.8	0.8956	2.7242	0.0067	3.6265	0.907	-0.0219	-0.0734	0.8117
678	23.9	24.9	0.8946	2.7246	0.0073	3.6265	0.9285	-0.0412	-0.0754	0.8119
679	24.2	25	0.894	2.7247	0.0078	3.6266	0.9363	-0.0696	-0.0681	0.7987
680	24.5	25.1	0.8934	2.7246	0.0081	3.6262	0.9301	-0.0876	-0.0678	0.7748
681	24.9	25.1	0.8931	2.7244	0.0085	3.626	0.9391	-0.0874	-0.0703	0.7814
682	24.8	25.2	0.8932	2.7242	0.0086	3.626	0.944	-0.0793	-0.0756	0.7891
683	24.9	25.4	0.8926	2.7246	0.0091	3.6263	0.9483	-0.0778	-0.0793	0.7912
684	25	25.5	0.891	2.725	0.0092	3.6252	0.9522	-0.0864	-0.0833	0.7824
685	25.7	25.6	0.8896	2.7259	0.0091	3.6246	0.9521	-0.0981	-0.09	0.7641
686	25.7	25.8	0.8884	2.7274	0.0087	3.6245	0.9493	-0.1131	-0.0923	0.7438
687	26.2	25.8	0.8868	2.7287	0.0086	3.6241	0.9433	-0.1184	-0.0904	0.7344
688	27.5	26	0.8849	2.729	0.0085	3.6223	0.9427	-0.1079	-0.0864	0.7485
689	27.6	26.1	0.8835	2.7289	0.0085	3.6209	0.9314	-0.0966	-0.0865	0.7484
690	27.5	26.2	0.8813	2.7293	0.0084	3.619	0.9224	-0.086	-0.0876	0.7488
691	25.3	26.2	0.8807	2.7297	0.0085	3.6188	0.9037	-0.0841	-0.085	0.7346
692	27	26.3	0.879	2.73	0.0088	3.6178	0.8908	-0.0855	-0.0801	0.7252
693	26.7	26.3	0.8773	2.7305	0.0085	3.6163	0.8961	-0.0922	-0.0771	0.7268
694	26.8	26.4	0.8763	2.7308	0.0077	3.6148	0.9038	-0.098	-0.0762	0.7296

695	26.6	26.4	0.8749	2.7306	0.0076	3.6132	0.9102	-0.1053	-0.0769	0.7281
696	26.1	26.5	0.8741	2.7308	0.0074	3.6123	0.9172	-0.1062	-0.0772	0.7338
697	26.3	26.4	0.8729	2.7299	0.0075	3.6102	0.9192	-0.1058	-0.0744	0.739
698	26.6	26.2	0.8727	2.7284	0.0078	3.6089	0.904	-0.1037	-0.0658	0.7344
699	26.4	25.9	0.8729	2.7272	0.0076	3.6077	0.8968	-0.094	-0.0695	0.7333
700	25.9	25.7	0.8734	2.7259	0.0076	3.607	0.8852	-0.0778	-0.076	0.7314
701	25.7	25.6	0.8739	2.7248	0.0077	3.6064	0.8517	-0.0578	-0.0795	0.7143
702	25.9	25.3	0.8737	2.7244	0.008	3.6061	0.8407	-0.0401	-0.0828	0.7179
703	25.7	25.1	0.8738	2.7232	0.0087	3.6057	0.8433	-0.0398	-0.0861	0.7173
704	27.1	24.8	0.873	2.7238	0.0089	3.6057	0.8428	-0.0456	-0.087	0.7101
705	26	24.6	0.8731	2.7249	0.0087	3.6067	0.8354	-0.0585	-0.0865	0.6904
706	25	24.4	0.8729	2.7254	0.0087	3.607	0.83	-0.0736	-0.0841	0.6723
707	23.5	24.4	0.8725	2.7253	0.0088	3.6066	0.819	-0.0883	-0.0774	0.6533
708	22.9	24.3	0.8726	2.7255	0.0084	3.6065	0.8182	-0.0944	-0.0708	0.653
709	22.9	24.3	0.8722	2.7257	0.0082	3.606	0.8247	-0.0987	-0.0688	0.6572
710	22.7	24.2	0.8718	2.726	0.0085	3.6063	0.8289	-0.1073	-0.0656	0.656
711	22	24.2	0.871	2.7267	0.0086	3.6063	0.8297	-0.1111	-0.0648	0.6539
712	22.5	24.2	0.8694	2.7277	0.0086	3.6057	0.8351	-0.1074	-0.0669	0.6609
713	22.1	24.2	0.8637	2.729	0.0096	3.6023	0.8322	-0.1066	-0.0643	0.6613
714	22.2	24	0.8613	2.7304	0.0134	3.6051	0.8241	-0.1007	-0.0603	0.6631
715	23	24	0.8603	2.7316	0.0139	3.6058	0.8206	-0.0961	-0.0574	0.667
716	24.8	24.1	0.8588	2.7325	0.0139	3.6051	0.8151	-0.0967	-0.0574	0.661
717	25.5	24.2	0.8576	2.7337	0.0141	3.6053	0.8173	-0.1035	-0.0585	0.6554
718	25.6	24.4	0.8571	2.7345	0.0142	3.6058	0.8258	-0.1078	-0.0595	0.6584
719	25.1	24.6	0.8568	2.7348	0.0146	3.6062	0.8242	-0.1096	-0.0582	0.6564
720	25.6	24.7	0.8561	2.735	0.0151	3.6061	0.8169	-0.1021	-0.0472	0.6677
721	25.8	25	0.8547	2.735	0.0151	3.6047	0.8143	-0.091	-0.0447	0.6786
722	24.8	25.1	0.8532	2.7351	0.0155	3.6038	0.8131	-0.0742	-0.0457	0.6932
723	24.9	25.3	0.8519	2.7355	0.0153	3.6027	0.7937	-0.0503	-0.0477	0.6957
724	25.5	25.4	0.8512	2.7359	0.0147	3.6018	0.7661	-0.0421	-0.049	0.6751
725	25.9	25.6	0.8503	2.7357	0.0144	3.6004	0.7492	-0.0358	-0.0431	0.6703
726	26.3	25.6	0.8485	2.7351	0.0148	3.5984	0.7492	-0.0428	-0.0402	0.6662
727	26.3	25.6	0.8468	2.7351	0.0148	3.5967	0.7487	-0.0309	-0.0422	0.6755
728	26.1	25.5	0.8462	2.7356	0.0141	3.5959	0.7448	-0.0159	-0.0405	0.6885
729	25.8	25.4	0.8461	2.7358	0.0139	3.5958	0.7405	-0.004	-0.0334	0.7031
730	26.4	25.3	0.845	2.7354	0.0136	3.594	0.7382	0.0042	-0.029	0.7133
731	25.9	25.2	0.8433	2.7348	0.0141	3.5922	0.7399	0.0059	-0.0266	0.7193

732	24.8	25.1	0.8425	2.7348	0.0143	3.5916	0.7479	-0.0016	-0.0211	0.7253
733	24.9	25.1	0.8415	2.7351	0.0146	3.5913	0.7576	-0.0058	-0.019	0.7327
734	26.6	25	0.8406	2.7358	0.015	3.5914	0.7591	0.004	-0.0159	0.7471
735	25.3	24.9	0.8397	2.7362	0.015	3.5909	0.7458	0.0071	-0.013	0.7399
736	24	24.7	0.8385	2.7363	0.0149	3.5897	0.74	0.0199	-0.0139	0.746
737	24.3	24.5	0.8377	2.7357	0.0147	3.5881	0.7366	0.0368	-0.0196	0.7539
738	24.1	24.3	0.8371	2.7352	0.0147	3.587	0.7199	0.0629	-0.0244	0.7584
739	23.6	24.1	0.8363	2.7352	0.0146	3.5861	0.6966	0.073	-0.0245	0.745
740	23.6	23.9	0.8363	2.7352	0.0144	3.5859	0.6776	0.078	-0.0241	0.7315
741	23.2	23.8	0.837	2.7351	0.0141	3.5863	0.6524	0.0835	-0.0229	0.7129
742	23.4	23.7	0.8356	2.7351	0.0139	3.5847	0.6458	0.09	-0.0213	0.7145
743	23.8	23.5	0.8339	2.735	0.0139	3.5828	0.6339	0.1004	-0.0179	0.7163
744	23.9	23.3	0.8331	2.7349	0.014	3.582	0.6203	0.1065	-0.0214	0.7054
745	22.6	23.2	0.8324	2.7346	0.0139	3.5808	0.6188	0.1052	-0.0298	0.6942
746	22.6	23.1	0.8317	2.7339	0.0136	3.5793	0.6096	0.0921	-0.0291	0.6726
747	22.9	23	0.8313	2.7334	0.0133	3.578	0.6109	0.0852	-0.0248	0.6712
748	23	22.9	0.8311	2.7328	0.0134	3.5773	0.6291	0.0645	-0.0225	0.6712
749	22.5	22.7	0.8314	2.7318	0.0135	3.5767	0.6172	0.0588	-0.0237	0.6523
750	23	22.6	0.8322	2.7315	0.0137	3.5774	0.6277	0.0507	-0.0251	0.6533
751	22.8	22.4	0.8323	2.731	0.0138	3.577	0.6397	0.0447	-0.0217	0.6628
752	22.1	22.3	0.8316	2.7302	0.0138	3.5755	0.6419	0.0471	-0.0203	0.6687
753	22.9	22.1	0.8314	2.729	0.0138	3.5743	0.6358	0.0548	-0.0164	0.6742
754	23.3	21.9	0.8319	2.7285	0.0136	3.5741	0.633	0.0575	-0.009	0.6814
755	22.1	21.9	0.8322	2.7287	0.0133	3.5742	0.619	0.0699	-0.0055	0.6834
756	21.3	21.8	0.8323	2.7291	0.0134	3.5748	0.6155	0.0881	-0.007	0.6966
757	21.8	21.7	0.8315	2.7297	0.0129	3.5741	0.6085	0.1036	-0.0029	0.7092
758	20.5	21.7	0.8303	2.7303	0.0125	3.5732	0.6056	0.1187	-0.0008	0.7236
759	21.3	21.7	0.8293	2.7311	0.0121	3.5725	0.5958	0.1265	-0.0063	0.716
760	20.6	21.7	0.8285	2.7314	0.012	3.5719	0.5929	0.1373	-0.0102	0.7199
761	20.6	21.7	0.8273	2.731	0.0119	3.5702	0.5962	0.1428	-0.0099	0.7291
762	20.6	21.8	0.8268	2.7308	0.0117	3.5693	0.6089	0.1329	-0.0085	0.7333
763	20.2	21.7	0.8267	2.7305	0.0113	3.5685	0.5985	0.1437	-0.0088	0.7335
764	21.2	21.6	0.8263	2.7302	0.0111	3.5676	0.5158	0.1709	0.0018	0.6884
765	21.1	21.5	0.8257	2.7301	0.0112	3.567	0.4699	0.2017	0.0437	0.7153
766	21.7	21.5	0.8249	2.7307	0.0114	3.5671	0.4619	0.218	0.0491	0.729
767	22.6	21.4	0.8242	2.731	0.0112	3.5664	0.4583	0.2187	0.0481	0.7251
768	22.4	21.4	0.8231	2.7316	0.0109	3.5657	0.4674	0.2211	0.0501	0.7385

769	23	21.4	0.8226	2.7313	0.0105	3.5644	0.4757	0.2216	0.0523	0.7496
770	23.7	21.5	0.8221	2.7301	0.0105	3.5627	0.4831	0.2257	0.0583	0.7671
771	22.8	21.5	0.821	2.7285	0.0103	3.5599	0.4872	0.213	0.0682	0.7684
772	21.8	21.5	0.8215	2.7269	0.0105	3.5589	0.4856	0.2139	0.0696	0.7691
773	21.5	21.5	0.8219	2.726	0.0107	3.5587	0.4828	0.2075	0.076	0.7663
774	20.4	21.4	0.8222	2.7259	0.0108	3.5588	0.4787	0.2131	0.0768	0.7686
775	20.2	21.2	0.8221	2.7262	0.0107	3.5589	0.4696	0.2264	0.0703	0.7663
776	20.7	21	0.8216	2.7262	0.0107	3.5584	0.466	0.2249	0.0677	0.7586
777	20.5	20.8	0.8211	2.7258	0.0108	3.5577	0.4566	0.2206	0.0714	0.7487
778	21.5	20.6	0.8206	2.725	0.0107	3.5562	0.4615	0.2063	0.068	0.7358
779	21.2	20.3	0.8202	2.7243	0.0108	3.5552	0.4784	0.1856	0.061	0.725
780	20.8	20.1	0.8195	2.724	0.0108	3.5543	0.522	0.1447	0.056	0.7228
781	20.4	19.8	0.8183	2.7245	0.0106	3.5535	0.5138	0.1306	0.0513	0.6957
782	20.1	19.7	0.8174	2.7248	0.0105	3.5527	0.5032	0.1252	0.0555	0.6839
783	19.3	19.7	0.8167	2.7242	0.0107	3.5516	0.4993	0.1246	0.0526	0.6765
784	18.6	19.7	0.8164	2.7243	0.0105	3.5512	0.4925	0.1234	0.0516	0.6675
785	17.6	19.7	0.8156	2.7239	0.0105	3.55	0.4887	0.1267	0.0574	0.6727
786	18	19.6	0.8147	2.7237	0.0107	3.5491	0.4937	0.1245	0.0607	0.6789
787	18.6	19.6	0.8148	2.7224	0.011	3.5482	0.5015	0.1163	0.0618	0.6796
788	18.5	19.6	0.8152	2.7217	0.0109	3.5478	0.5161	0.0978	0.06	0.6738
789	18.6	19.6	0.8157	2.7211	0.011	3.5477	0.5235	0.0812	0.0604	0.6651
790	18.3	19.6	0.816	2.721	0.0107	3.5477	0.513	0.0924	0.0605	0.6658
791	19.9	19.5	0.8161	2.7207	0.0106	3.5474	0.5175	0.0892	0.0582	0.665
792	20.3	19.5	0.8156	2.72	0.0106	3.5461	0.5739	0.0478	0.0551	0.6768
793	20.1	19.5	0.8152	2.7198	0.0107	3.5457	0.5761	0.04	0.0486	0.6647
794	20.2	19.5	0.8144	2.7203	0.0107	3.5454	0.5728	0.0275	0.0463	0.6466
795	20.4	19.5	0.814	2.7214	0.0105	3.5459	0.5887	0.0041	0.0479	0.6407
796	20.5	19.6	0.813	2.7223	0.0099	3.5451	0.6098	-0.0207	0.0467	0.6357
797	21.2	19.6	0.81	2.7234	0.0097	3.5431	0.6357	-0.0547	0.0441	0.6251
798	20.5	19.6	0.811	2.7226	0.0101	3.5437	0.6624	-0.0814	0.0422	0.6232
799	20.5	19.5	0.8102	2.7221	0.0101	3.5424	0.7003	-0.1136	0.0452	0.6318
800	19.3	19.5	0.8095	2.7214	0.0098	3.5407	0.7347	-0.1359	0.0498	0.6487
801	19.2	19.5	0.8097	2.7201	0.0097	3.5395	0.7582	-0.1464	0.0532	0.665
802	19.4	19.4	0.8101	2.7189	0.0096	3.5387	0.7629	-0.1551	0.0584	0.6661
803	19.1	19.2	0.8105	2.7174	0.0096	3.5375	0.7628	-0.1657	0.0651	0.6622
804	18.6	19.1	0.8111	2.7168	0.0094	3.5374	0.7932	-0.2051	0.0673	0.6554
805	18.5	18.9	0.8115	2.7161	0.0094	3.5371	0.8391	-0.2251	0.0688	0.6828

806	19.7	18.8	0.8121	2.715	0.009	3.5361	0.8551	-0.2317	0.0707	0.6941
807	18	18.6	0.8119	2.7135	0.0089	3.5343	0.8547	-0.2166	0.0729	0.711
808	17.6	18.5	0.813	2.7129	0.009	3.5349	0.8273	-0.1832	0.0698	0.714
809	18.1	18.5	0.8129	2.712	0.0092	3.5341	0.8068	-0.1589	0.0625	0.7105
810	18.3	18.4	0.8122	2.7118	0.0095	3.5334	0.7895	-0.1418	0.0537	0.7015
811	18.5	18.4	0.8101	2.7135	0.0094	3.533	0.7713	-0.131	0.0501	0.6904
812	17.4	18.2	0.8096	2.7133	0.0095	3.5324	0.7564	-0.1329	0.0483	0.6717
813	17.5	18.1	0.8121	2.7119	0.0094	3.5335	0.7464	-0.1296	0.0487	0.6656
814	17.7	18.1	0.8143	2.7102	0.0091	3.5336	0.7466	-0.1319	0.0428	0.6576
815	17.1	18.1	0.8141	2.7098	0.009	3.5329	0.7211	-0.1003	0.0385	0.6593
816	18.3	18	0.8129	2.7106	0.0091	3.5326	0.6991	-0.0941	0.0353	0.6403
817	18.8	17.9	0.8108	2.7115	0.0091	3.5315	0.7187	-0.1132	0.0336	0.639
818	19.8	18	0.8095	2.7123	0.009	3.5308	0.7138	-0.1159	0.0297	0.6275
819	18.3	18.1	0.8085	2.7123	0.0087	3.5295	0.7026	-0.1114	0.0293	0.6204
820	18.3	18.1	0.8074	2.7137	0.0083	3.5293	0.7037	-0.1242	0.0295	0.609
821	17	18.1	0.8061	2.7136	0.0081	3.5278	0.691	-0.1228	0.0299	0.5981
822	17.2	18.1	0.8049	2.7143	0.0079	3.5272	0.664	-0.1125	0.0286	0.5802
823	18	18.2	0.804	2.7142	0.0077	3.5259	0.6545	-0.0988	0.0295	0.5851
824	18.1	18.2	0.8043	2.7132	0.0077	3.5252	0.6679	-0.1061	0.0327	0.5945
825	17.6	18.2	0.8037	2.7132	0.0077	3.5245	0.6834	-0.1135	0.032	0.6019
826	17.2	18.2	0.8028	2.713	0.0077	3.5235	0.681	-0.1057	0.0332	0.6085
827	18.9	18.2	0.8007	2.7144	0.008	3.5231	0.6709	-0.0946	0.0355	0.6118
828	19.1	18.1	0.7983	2.7171	0.008	3.5234	0.6636	-0.0936	0.0367	0.6066
829	19.3	18	0.7939	2.7213	0.0083	3.5235	0.6795	-0.0984	0.0346	0.6157
830	18.2	18	0.7936	2.7223	0.0085	3.5244	0.6888	-0.113	0.0366	0.6124
831	18.1	18.1	0.7929	2.7223	0.0086	3.5238	0.7019	-0.1204	0.0385	0.62
832	18.5	18.1	0.7926	2.7224	0.009	3.524	0.7151	-0.1247	0.04	0.6304
833	17.8	18	0.7923	2.7228	0.0095	3.5245	0.7219	-0.1333	0.0407	0.6293
834	18.1	18	0.7917	2.7232	0.0093	3.5241	0.7132	-0.1293	0.0432	0.6271
835	17.9	18	0.7903	2.7238	0.0089	3.523	0.6888	-0.0984	0.043	0.6334
836	17.6	18.1	0.7883	2.7247	0.0087	3.5218	0.6437	-0.0625	0.0424	0.6236
837	18	18.1	0.7861	2.7259	0.0087	3.5207	0.6193	-0.0501	0.0428	0.6119
838	18.2	18.1	0.7848	2.7271	0.0086	3.5205	0.6149	-0.0579	0.0495	0.6064
839	17.9	18.1	0.785	2.726	0.0085	3.5195	0.6349	-0.0706	0.0477	0.612
840	17.5	18.2	0.7845	2.7263	0.0086	3.5194	0.6594	-0.0925	0.0475	0.6144
841	17.2	18.3	0.7796	2.7303	0.0086	3.5186	0.669	-0.0922	0.0432	0.62
842	17.7	18.3	0.778	2.7311	0.009	3.5182	0.6816	-0.0959	0.041	0.6267

843	17.9	18.4	0.7766	2.7322	0.0093	3.5181	0.6646	-0.0847	0.0419	0.6219
844	18.1	18.5	0.7743	2.7345	0.0092	3.5179	0.6683	-0.09	0.0468	0.6251
845	18.6	18.6	0.7714	2.7367	0.0092	3.5173	0.6587	-0.0791	0.0486	0.6282
846	18	18.7	0.7681	2.7394	0.0092	3.5167	0.6561	-0.065	0.0464	0.6376
847	19.2	18.7	0.7651	2.7415	0.0091	3.5157	0.6908	-0.0868	0.0401	0.6441
848	19.9	18.8	0.7611	2.7442	0.0089	3.5141	0.6686	-0.0756	0.0367	0.6296
849	20	18.9	0.7579	2.7454	0.0086	3.5119	0.6519	-0.0632	0.0387	0.6274
850	19.6	19.1	0.7564	2.7462	0.0083	3.5109	0.6376	-0.0723	0.0388	0.6041
851	19	19.2	0.756	2.7465	0.0079	3.5104	0.6296	-0.079	0.0419	0.5925
852	19.4	19.4	0.7553	2.7467	0.0073	3.5093	0.6376	-0.092	0.0421	0.5877
853	19.2	19.5	0.7521	2.7495	0.0071	3.5087	0.6575	-0.1011	0.0435	0.5999
854	19.9	19.6	0.748	2.7511	0.0068	3.5058	0.6774	-0.1059	0.0446	0.6161
855	19.6	19.5	0.7467	2.7518	0.0063	3.5048	0.6801	-0.1016	0.046	0.6245
856	19.2	19.6	0.7468	2.7507	0.0061	3.5037	0.6933	-0.1112	0.0477	0.6298
857	19.5	19.6	0.7488	2.748	0.0059	3.5027	0.6937	-0.1076	0.0433	0.6294
858	20.1	19.5	0.7497	2.7462	0.0062	3.5021	0.6835	-0.1037	0.0385	0.6183
859	20.3	19.4	0.7504	2.7453	0.0067	3.5023	0.7	-0.1134	0.0358	0.6224
860	20	19.3	0.7514	2.7445	0.007	3.5029	0.7093	-0.1271	0.0353	0.6175
861	21	19.2	0.7517	2.7443	0.0071	3.5031	0.692	-0.1216	0.0377	0.6081
862	20.2	19.1	0.7522	2.7437	0.0069	3.5028	0.6796	-0.1078	0.0383	0.6101
863	18.9	18.9	0.752	2.7437	0.0071	3.5028	0.7094	-0.1445	0.038	0.603
864	17.5	18.7	0.7542	2.7402	0.0073	3.5017	0.7809	-0.1917	0.0344	0.6236
865	19.6	18.6	0.7558	2.7395	0.0077	3.503	0.8217	-0.226	0.0304	0.6261
866	18.8	18.5	0.7531	2.7421	0.008	3.5032	0.824	-0.2332	0.0286	0.6194
867	18.4	18.4	0.7528	2.7426	0.0082	3.5036	0.8083	-0.2186	0.0295	0.6193
868	18.4	18.3	0.7529	2.7428	0.008	3.5036	0.7867	-0.1995	0.0321	0.6193
869	17.9	18.2	0.7522	2.7437	0.0076	3.5035	0.7801	-0.1966	0.0343	0.6179
870	17	18.1	0.753	2.7424	0.0075	3.5029	0.774	-0.1942	0.0335	0.6133
871	16.4	18	0.7546	2.7398	0.0075	3.5019	0.764	-0.1638	0.031	0.6312
872	16.1	17.9	0.756	2.7368	0.0075	3.5003	0.7486	-0.1512	0.0324	0.6298
873	16.9	17.8	0.7551	2.7367	0.0075	3.4992	0.7338	-0.1347	0.0322	0.6313
874	17.4	17.8	0.7538	2.7372	0.0076	3.4986	0.7327	-0.139	0.0295	0.6232
875	17.3	17.7	0.754	2.7368	0.0073	3.4981	0.755	-0.1489	0.0273	0.6333
876	18	17.7	0.7545	2.7356	0.0071	3.4972	0.7496	-0.1426	0.0308	0.6378
877	17.6	17.8	0.7548	2.7351	0.0071	3.497	0.7327	-0.1279	0.0355	0.6403
878	18.6	17.8	0.7526	2.7348	0.0072	3.4946	0.707	-0.1147	0.0437	0.636
879	18.2	17.9	0.7513	2.7356	0.0071	3.494	0.69	-0.0865	0.0404	0.6439

880	18.8	18	0.7493	2.7361	0.007	3.4923	0.6562	-0.0417	0.0424	0.6569
881	17.9	18.1	0.7468	2.737	0.0066	3.4905	0.6626	-0.0326	0.0445	0.6746
882	17.4	18.3	0.7452	2.7381	0.0064	3.4898	0.6572	-0.0325	0.044	0.6686
883	17.5	18.4	0.7454	2.7371	0.0064	3.4889	0.6721	-0.0429	0.0472	0.6764
884	18	18.5	0.7475	2.7341	0.0062	3.4878	0.7015	-0.0656	0.0555	0.6914
885	19.1	18.7	0.7512	2.7302	0.0063	3.4877	0.7356	-0.0874	0.052	0.7003
886	19.1	18.7	0.7528	2.7287	0.0064	3.4879	0.7443	-0.1073	0.0512	0.6882
887	18.7	18.8	0.7533	2.7282	0.0061	3.4876	0.7468	-0.1125	0.0514	0.6858
888	19.5	18.8	0.7517	2.7287	0.0062	3.4866	0.7525	-0.1184	0.052	0.6861
889	19.2	18.9	0.7498	2.7304	0.0062	3.4863	0.7505	-0.1174	0.0518	0.6849
890	19.1	18.9	0.7491	2.7302	0.0064	3.4857	0.7701	-0.1368	0.0541	0.6874
891	19.4	18.9	0.7479	2.7303	0.0065	3.4847	0.7743	-0.1366	0.0546	0.6923
892	19.4	18.9	0.7491	2.7284	0.0064	3.484	0.7307	-0.0858	0.0533	0.6982
893	19.4	18.9	0.7484	2.7288	0.006	3.4832	0.7066	-0.0605	0.0543	0.7004
894	19.4	18.9	0.7486	2.7282	0.0058	3.4826	0.6824	-0.036	0.0541	0.7006
895	19.2	18.8	0.7484	2.7279	0.0058	3.4821	0.6537	-0.0103	0.0524	0.6958
896	19.1	18.7	0.7439	2.7309	0.0059	3.4807	0.624	0.0086	0.0539	0.6865
897	19.6	18.7	0.7432	2.731	0.006	3.4802	0.6044	0.0204	0.055	0.6798
898	18.7	18.6	0.7458	2.7289	0.0063	3.481	0.5888	0.027	0.0553	0.6711
899	19.3	18.5	0.7464	2.7294	0.0062	3.482	0.5517	0.054	0.0562	0.6619
900	18	18.5	0.7465	2.7293	0.0056	3.4814	0.5202	0.0856	0.0555	0.6613
901	16.8	18.4	0.7459	2.7293	0.0055	3.4807	0.5008	0.104	0.0533	0.6582
902	18.2	18.4	0.7444	2.729	0.0053	3.4787	0.4938	0.1189	0.0503	0.663
903	17.6	18.3	0.7427	2.728	0.0051	3.4759	0.4818	0.1331	0.0442	0.6591
904	17.6	18.2	0.7431	2.727	0.0048	3.4749	0.4375	0.1829	0.0373	0.6577
905	17.7	18.2	0.7422	2.7272	0.0046	3.4741	0.3862	0.2094	0.0299	0.6255
906	17.8	18.1	0.7427	2.7258	0.0047	3.4732	0.3692	0.2195	0.0237	0.6123
907	17.3	18	0.7435	2.7238	0.0051	3.4724	0.3576	0.2189	0.022	0.5985
908	18.1	18	0.743	2.7242	0.0054	3.4726	0.3561	0.2095	0.0223	0.5879
909	18	17.9	0.7419	2.7247	0.0057	3.4723	0.3558	0.1993	0.024	0.5792
910	17.9	17.8	0.743	2.7239	0.0057	3.4726	0.3601	0.1978	0.024	0.5819
911	19	17.8	0.7422	2.7242	0.0056	3.472	0.3501	0.2046	0.0274	0.5822
912	18.1	17.8	0.7386	2.7278	0.0057	3.4721	0.332	0.2201	0.0297	0.5818
913	17.5	17.7	0.734	2.7311	0.006	3.4711	0.3218	0.2334	0.0276	0.5828
914	18.5	17.7	0.7321	2.7328	0.006	3.471	0.3178	0.2355	0.0298	0.5831
915	18.2	17.7	0.7317	2.7332	0.0061	3.4709	0.3323	0.2074	0.0329	0.5726
916	17.8	17.6	0.7321	2.7324	0.0061	3.4707	0.3527	0.1973	0.0374	0.5874

917	17.7	17.7	0.7322	2.7315	0.0059	3.4695	0.3339	0.2182	0.0416	0.5937
918	17.4	17.6	0.7315	2.732	0.0056	3.469	0.3392	0.2158	0.0439	0.5989
919	17.1	17.6	0.7311	2.7317	0.0054	3.4682	0.3596	0.1999	0.0443	0.6037
920	17.3	17.6	0.731	2.7301	0.0052	3.4662	0.3778	0.1886	0.0437	0.6102
921	17	17.6	0.7313	2.7287	0.0049	3.4648	0.4104	0.164	0.0463	0.6206
922	16.7	17.6	0.7315	2.7278	0.0047	3.464	0.4659	0.1098	0.0465	0.6222
923	17	17.7	0.7307	2.7281	0.0047	3.4636	0.503	0.0554	0.0537	0.6121
924	16.9	17.6	0.7288	2.7281	0.005	3.4619	0.5212	0.0363	0.0516	0.6092
925	17.2	17.6	0.7287	2.7274	0.0046	3.4607	0.5349	0.0206	0.0503	0.6058
926	18.2	17.7	0.7296	2.7258	0.0041	3.4595	0.5702	-0.0008	0.0446	0.614
927	17.2	17.7	0.73	2.7259	0.0037	3.4595	0.5958	-0.0337	0.0388	0.6009
928	18.2	17.7	0.7293	2.7257	0.004	3.459	0.6344	-0.0665	0.0386	0.6065
929	18.2	17.8	0.7283	2.7255	0.0041	3.4578	0.6523	-0.1018	0.042	0.5925
930	18	17.8	0.7273	2.7256	0.004	3.457	0.6818	-0.1162	0.0433	0.6089
931	18.4	17.8	0.7272	2.7255	0.0042	3.4569	0.6841	-0.1272	0.0407	0.5976
932	18.7	17.9	0.7254	2.7266	0.0043	3.4563	0.6807	-0.1219	0.0308	0.5896
933	17.7	18	0.7221	2.7293	0.0039	3.4554	0.6982	-0.1334	0.0286	0.5934
934	18.5	18	0.7181	2.7319	0.0041	3.4541	0.7193	-0.1634	0.0297	0.5856
935	18.6	18.1	0.7159	2.7345	0.0038	3.4542	0.7549	-0.207	0.0272	0.5751
936	18.5	18.1	0.7137	2.7359	0.0036	3.4532	0.7907	-0.2435	0.0276	0.5748
937	17.9	18.1	0.7108	2.7378	0.0035	3.4521	0.7907	-0.2388	0.0287	0.5807
938	18.1	18.1	0.7097	2.7388	0.0034	3.452	0.7964	-0.2453	0.027	0.5781
939	18.3	18.1	0.708	2.7396	0.0031	3.4508	0.7811	-0.238	0.0296	0.5727
940	16.9	18.1	0.7071	2.7399	0.0031	3.4502	0.7557	-0.2081	0.0295	0.5771
941	17.9	18.1	0.7066	2.7389	0.0033	3.4488	0.7385	-0.1974	0.0324	0.5735
942	18.3	18	0.7074	2.7372	0.0036	3.4481	0.6426	-0.1186	0.0324	0.5564
943	18.1	18	0.7084	2.7358	0.0039	3.4481	0.5531	-0.0426	0.0321	0.5426
944	18	17.9	0.7089	2.7355	0.004	3.4484	0.5467	-0.0397	0.0292	0.5363
945	18.5	17.8	0.709	2.7358	0.0038	3.4486	0.5538	-0.0464	0.0318	0.5392
946	17.5	17.7	0.7077	2.7374	0.0037	3.4488	0.5626	-0.0546	0.035	0.543
947	18.4	17.6	0.7062	2.7388	0.0035	3.4486	0.5289	-0.0187	0.0365	0.5466
948	18.1	17.5	0.7059	2.7388	0.0032	3.4479	0.5404	-0.0182	0.0403	0.5625
949	18.1	17.5	0.7059	2.7368	0.003	3.4457	0.576	-0.027	0.0476	0.5966
950	18.1	17.4	0.7063	2.7358	0.003	3.4451	0.6012	-0.0213	0.0492	0.6292
951	16.8	17.4	0.7066	2.7346	0.0029	3.4441	0.6245	-0.0392	0.0437	0.6291
952	17.4	17.3	0.7071	2.7334	0.0029	3.4434	0.6218	-0.0238	0.0389	0.6369
953	16.4	17.2	0.7084	2.7312	0.0033	3.443	0.567	0.0269	0.0329	0.6267

954	16.5	17.1	0.7094	2.7301	0.0038	3.4432	0.5459	0.0083	0.029	0.5832
955	17	17	0.7098	2.7299	0.0039	3.4435	0.5435	0.0005	0.0234	0.5674
956	16.2	17	0.7111	2.7289	0.0039	3.4438	0.5366	0.0013	0.0162	0.5541
957	16.9	16.8	0.7132	2.7271	0.0037	3.4439	0.5197	0.0034	0.0141	0.5372
958	17	16.7	0.7141	2.7263	0.0038	3.4442	0.5276	-0.0172	0.0199	0.5302
959	16.2	16.6	0.7143	2.7255	0.0043	3.4441	0.5257	-0.021	0.02	0.5247
960	16.5	16.6	0.7164	2.724	0.0042	3.4446	0.5173	-0.0161	0.018	0.5192
961	17.1	16.6	0.7185	2.7223	0.0041	3.4449	0.5379	-0.0345	0.02	0.5234
962	16.6	16.5	0.72	2.7204	0.0041	3.4445	0.5194	-0.0138	0.0214	0.527
963	16.2	16.6	0.7203	2.7201	0.0041	3.4445	0.4952	0.0091	0.025	0.5293
964	16.8	16.7	0.7209	2.7195	0.004	3.4444	0.466	0.0281	0.0292	0.5232
965	16.3	16.6	0.7205	2.7198	0.004	3.4443	0.4532	0.0387	0.0344	0.5263
966	15.9	16.7	0.7197	2.7202	0.0039	3.4438	0.4653	0.0363	0.0397	0.5413
967	16.1	16.6	0.7189	2.721	0.0038	3.4437	0.4801	0.0233	0.041	0.5444
968	16.3	16.6	0.7169	2.7228	0.0036	3.4433	0.5055	0.0058	0.0396	0.5509
969	16.9	16.6	0.7145	2.7249	0.0032	3.4425	0.5218	0.0008	0.0367	0.5592
970	17.2	16.6	0.7119	2.726	0.0029	3.4408	0.5455	-0.0158	0.0374	0.5671
971	16.4	16.6	0.7081	2.7288	0.0028	3.4396	0.5365	-0.0063	0.0356	0.5658
972	18.1	16.5	0.7057	2.7312	0.0022	3.4391	0.5435	-0.0151	0.0317	0.56
973	17.2	16.6	0.703	2.733	0.0023	3.4383	0.5438	-0.0045	0.0271	0.5665
974	15.9	16.6	0.7003	2.7352	0.0025	3.438	0.5289	0.0068	0.0258	0.5615
975	16.9	16.6	0.6969	2.7368	0.0029	3.4367	0.5161	0.0008	0.0284	0.5453
976	16.4	16.6	0.6949	2.739	0.0032	3.4371	0.5153	-0.0067	0.0258	0.5345
977	16.1	16.6	0.6913	2.7418	0.0032	3.4364	0.532	-0.0301	0.0204	0.5222
978	16.9	16.6	0.6874	2.745	0.003	3.4354	0.5391	-0.0224	0.0157	0.5324
979	16.8	16.6	0.6831	2.7472	0.0028	3.4331	0.5296	-0.0152	0.022	0.5363
980	16	16.5	0.6809	2.7488	0.0029	3.4325	0.518	-0.0095	0.0246	0.5332
981	15.9	16.6	0.6788	2.7492	0.0035	3.4315	0.5147	-0.007	0.0245	0.5322
982	16.8	16.5	0.6754	2.7515	0.0036	3.4305	0.5109	0.0009	0.0239	0.5357
983	16.7	16.4	0.6734	2.7535	0.0034	3.4303	0.4789	0.0267	0.0228	0.5284
984	16.5	16.4	0.672	2.7548	0.0035	3.4303	0.4475	0.0634	0.0161	0.5271
985	16	16.3	0.6722	2.7545	0.0035	3.4302	0.4146	0.0888	0.0167	0.5201
986	16.6	16.3	0.6737	2.7526	0.0035	3.4298	0.4244	0.0905	0.0154	0.5302
987	16.2	16.2	0.6737	2.7527	0.0034	3.4298	0.3929	0.1093	0.0137	0.5159
988	16.6	16.1	0.6736	2.7525	0.0032	3.4293	0.3565	0.1368	0.0117	0.5049
989	16.3	16	0.6742	2.7512	0.0032	3.4286	0.3469	0.1576	0.01	0.5146
990	16.6	16	0.6753	2.75	0.0032	3.4284	0.3289	0.1746	0.005	0.5086

991	16.2	16	0.6837	2.7421	0.0033	3.4291	0.3224	0.1788	0.006	0.5073
992	15.7	15.9	0.6938	2.7327	0.0032	3.4297	0.3116	0.1692	0.0095	0.4903
993	15.5	15.9	0.6937	2.7328	0.0031	3.4296	0.3049	0.1666	0.0146	0.486
994	15.8	15.9	0.6932	2.7328	0.0027	3.4287	0.3171	0.1584	0.0209	0.4963
995	16.2	15.9	0.6921	2.7334	0.0023	3.4278	0.3212	0.1622	0.0217	0.5051
996	15.2	15.9	0.691	2.7328	0.0022	3.4261	0.32	0.1759	0.0182	0.5141
997	14.7	16	0.6891	2.7328	0.002	3.4239	0.3068	0.1999	0.0141	0.5208
998	14.6	15.9	0.6882	2.7316	0.0015	3.4213	0.303	0.2166	0.0148	0.5343
999	14.9	15.9	0.6863	2.7315	0.0013	3.4191	0.3077	0.2111	0.0142	0.533
1000	16	15.9	0.684	2.7332	0.0013	3.4185	0.3164	0.1897	0.0141	0.5203
1001	15.7	15.9	0.6838	2.7317	0.0016	3.417	0.3269	0.1777	0.0151	0.5198
1002	16.5	15.9	0.6877	2.7263	0.002	3.416	0.3322	0.1665	0.0178	0.5166
1003	16	15.9	0.6881	2.7272	0.0022	3.4176	0.3329	0.1656	0.0192	0.5176
1004	16.6	15.9	0.6887	2.727	0.0025	3.4182	0.3345	0.1641	0.0241	0.5226
1005	16.7	15.9	0.6886	2.7271	0.003	3.4187	0.3439	0.1576	0.028	0.5295
1006	17.4	15.9	0.6907	2.7254	0.0033	3.4195	0.3511	0.1697	0.0299	0.5506
1007	16.2	15.9	0.6908	2.7256	0.0031	3.4194	0.3569	0.1673	0.0281	0.5523
1008	16.4	15.9	0.6904	2.7263	0.0034	3.4202	0.3807	0.1434	0.0301	0.5543
1009	15.6	16	0.6902	2.7263	0.0039	3.4204	0.388	0.1346	0.0331	0.5557
1010	15.9	16	0.6892	2.7274	0.0037	3.4203	0.3853	0.147	0.0367	0.569
1011	16.3	16	0.6902	2.7256	0.0035	3.4193	0.405	0.14	0.0331	0.5781
1012	15.3	16.1	0.6891	2.7269	0.0032	3.4192	0.4315	0.1205	0.0286	0.5806
1013	15.6	16.1	0.6874	2.7283	0.0031	3.4188	0.4677	0.0769	0.0271	0.5717
1014	15.6	16.1	0.6868	2.729	0.0026	3.4184	0.4931	0.0543	0.0258	0.5732
1015	15.4	16.1	0.6851	2.7295	0.0022	3.4168	0.5096	0.0408	0.0263	0.5767
1016	15	16.1	0.6841	2.7301	0.002	3.4163	0.5112	0.0408	0.0252	0.5772
1017	15.3	16.2	0.6816	2.7309	0.0019	3.4145	0.5146	0.0434	0.0195	0.5775
1018	16	16.2	0.6793	2.7319	0.0019	3.4131	0.5101	0.0482	0.0198	0.5781
1019	16.2	16.3	0.6765	2.7333	0.0017	3.4115	0.491	0.0639	0.0186	0.5735
1020	16.8	16.3	0.6773	2.7307	0.0016	3.4096	0.4646	0.0798	0.015	0.5593
1021	17.4	16.4	0.6769	2.7302	0.0017	3.4088	0.4373	0.0924	0.0111	0.5408
1022	16.6	16.4	0.6772	2.7282	0.002	3.4074	0.4017	0.1188	0.013	0.5336
1023	16.7	16.4	0.6778	2.7274	0.0021	3.4074	0.3913	0.1379	0.0072	0.5364
1024	16.8	16.4	0.6772	2.728	0.0021	3.4073	0.3763	0.1588	0.0096	0.5448
1025	17.1	16.4	0.6772	2.7281	0.002	3.4073	0.3585	0.1739	0.0122	0.5447
1026	17.2	16.4	0.6764	2.7288	0.0021	3.4073	0.3392	0.1862	0.0173	0.5427
1027	16.6	16.5	0.6761	2.7281	0.0021	3.4063	0.3443	0.1976	0.0212	0.5631

1028	16.9	16.4	0.6764	2.7272	0.0018	3.4054	0.3363	0.2107	0.0236	0.5706
1029	17.5	16.4	0.6765	2.7264	0.0016	3.4045	0.3061	0.2382	0.0212	0.5655
1030	16.8	16.3	0.6759	2.7263	0.0016	3.4037	0.2699	0.2671	0.0178	0.5548
1031	16.5	16.2	0.6761	2.7254	0.0018	3.4033	0.261	0.283	0.0144	0.5584
1032	15.4	16.1	0.6775	2.724	0.002	3.4035	0.2358	0.2829	0.0185	0.5373
1033	16	16	0.6774	2.723	0.0023	3.4027	0.1805	0.3268	0.0177	0.525
1034	15.4	15.9	0.6767	2.723	0.0024	3.4021	0.151	0.3492	0.015	0.5152
1035	15.4	15.9	0.6734	2.7254	0.0023	3.4012	0.1356	0.3644	0.0151	0.5152
1036	15.6	15.8	0.6744	2.725	0.0022	3.4016	0.1426	0.3579	0.0136	0.5141
1037	15.3	15.8	0.6752	2.7241	0.0023	3.4016	0.1661	0.329	0.0138	0.5088
1038	15.2	15.7	0.675	2.7231	0.0024	3.4005	0.183	0.3144	0.0113	0.5086
1039	15.3	15.6	0.6751	2.7222	0.0026	3.3999	0.1988	0.2963	0.0108	0.5059
1040	15.4	15.5	0.6749	2.7221	0.0025	3.3994	0.2219	0.2666	0.0095	0.4979
1041	15.1	15.5	0.6754	2.722	0.0023	3.3997	0.2496	0.2426	0.0099	0.5021
1042	15.3	15.5	0.6769	2.7205	0.0022	3.3995	0.3446	0.1622	0.0116	0.5184
1043	14.7	15.6	0.6767	2.72	0.0018	3.3984	0.4585	0.0699	0.0129	0.5414
1044	16	15.6	0.6768	2.7193	0.0018	3.3978	0.4666	0.0732	0.0118	0.5516
1045	16.5	15.6	0.677	2.7182	0.002	3.3972	0.4657	0.0671	0.0074	0.5402
1046	16.3	15.6	0.677	2.7174	0.0023	3.3967	0.4599	0.0713	0.0027	0.5339
1047	14.8	15.6	0.6759	2.7172	0.0021	3.3951	0.4509	0.0605	-0.0002	0.5112
1048	15.7	15.6	0.6751	2.7176	0.0018	3.3946	0.432	0.0495	-0.0009	0.4806
1049	15.7	15.6	0.6743	2.7179	0.0016	3.3937	0.4268	0.0289	-0.0061	0.4496
1050	15.8	15.6	0.6736	2.718	0.0015	3.3931	0.4104	0.0279	-0.011	0.4273
1051	15.9	15.6	0.6734	2.718	0.0011	3.3925	0.3905	0.0449	-0.0135	0.4219
1052	16.7	15.6	0.6738	2.7169	0.001	3.3916	0.3925	0.0215	-0.0092	0.4049
1053	16	15.6	0.6749	2.7148	0.0009	3.3907	0.4353	-0.0321	-0.0058	0.3973
1054	15	15.6	0.675	2.7144	0.001	3.3903	0.448	-0.0296	-0.0055	0.4129
1055	15	15.5	0.6746	2.7129	0.0009	3.3885	0.4622	-0.0416	-0.003	0.4176
1056	15.4	15.5	0.6754	2.7121	0.0011	3.3886	0.4654	-0.0453	0	0.4201
1057	15.7	15.5	0.6751	2.7127	0.0007	3.3885	0.5024	-0.0718	0.0025	0.4331
1058	15.2	15.6	0.6753	2.7128	0.0005	3.3886	0.5172	-0.0745	-0.0006	0.4421
1059	15.4	15.5	0.6758	2.7108	0.0006	3.3872	0.5346	-0.0774	0.0031	0.4603
1060	15.5	15.5	0.6759	2.71	0.0009	3.3868	0.5442	-0.0815	0.0105	0.4733
1061	15.2	15.5	0.6753	2.7103	0.0012	3.3868	0.5408	-0.0698	0.012	0.483
1062	15.4	15.4	0.6732	2.7127	0.0014	3.3873	0.5528	-0.0825	0.012	0.4823
1063	15.2	15.4	0.6709	2.7147	0.0015	3.3872	0.5398	-0.0659	0.01	0.4839
1064	15.6	15.4	0.67	2.7154	0.0014	3.3867	0.52	-0.0498	0.0088	0.479

1065	15.4	15.4	0.6694	2.7157	0.0014	3.3865	0.5157	-0.0362	0.0028	0.4823
1066	15.7	15.4	0.6682	2.7159	0.0019	3.386	0.508	-0.026	-0.0015	0.4805
1067	16.1	15.3	0.6679	2.7162	0.0018	3.3859	0.508	-0.0209	-0.0065	0.4806
1068	15.5	15.3	0.6678	2.7164	0.0017	3.3859	0.4927	-0.0157	-0.0065	0.4705
1069	14.9	15.3	0.668	2.7169	0.0017	3.3866	0.4756	-0.0048	-0.0047	0.466
1070	15.6	15.3	0.6682	2.7168	0.0018	3.3867	0.4534	0.0052	-0.0056	0.453
1071	14.8	15.3	0.6679	2.7169	0.0015	3.3863	0.472	-0.02	-0.007	0.445
1072	15.4	15.4	0.6666	2.7174	0.0014	3.3855	0.4791	-0.0262	-0.0064	0.4465
1073	15.3	15.4	0.6653	2.7171	0.0013	3.3838	0.4883	-0.041	-0.0027	0.4446
1074	15.1	15.4	0.6645	2.7178	0.0013	3.3836	0.5009	-0.0446	0.0007	0.4569
1075	15.1	15.4	0.663	2.7182	0.0011	3.3824	0.5001	-0.0327	0.0015	0.4689
1076	14.3	15.4	0.6605	2.7193	0.0011	3.3808	0.5074	-0.0264	0.0013	0.4823
1077	15	15.4	0.6577	2.7207	0.0009	3.3793	0.5049	-0.0085	0.0036	0.5
1078	15.3	15.4	0.6568	2.7212	0.0009	3.3788	0.5136	-0.005	0.004	0.5126
1079	16	15.5	0.6561	2.7205	0.001	3.3776	0.5214	0.0023	-0.0003	0.5233
1080	15.6	15.5	0.6548	2.7205	0.0014	3.3767	0.5256	-0.0036	-0.0049	0.5171
1081	16.2	15.5	0.6552	2.7209	0.0017	3.3778	0.5256	0.0016	0.0001	0.5273
1082	15.5	15.5	0.6574	2.7188	0.0018	3.378	0.5268	-0.0059	0.002	0.5229
1083	15.3	15.5	0.6583	2.7186	0.0019	3.3788	0.5451	-0.0211	0.0009	0.5249
1084	15.6	15.5	0.6585	2.7183	0.002	3.3788	0.5496	-0.0267	0.0048	0.5277
1085	15.8	15.5	0.6579	2.7188	0.0021	3.3788	0.5477	-0.0243	0.006	0.5294
1086	16.1	15.5	0.6571	2.7197	0.0021	3.3789	0.5258	-0.0006	0.0027	0.5279
1087	15.8	15.5	0.6554	2.7213	0.0023	3.3789	0.5447	-0.0094	0.0006	0.536
1088	15.6	15.5	0.6537	2.7229	0.0021	3.3788	0.5714	-0.0241	0.0028	0.5501
1089	16.4	15.4	0.652	2.7245	0.0023	3.3788	0.5934	-0.0371	0.011	0.5673
1090	14.8	15.5	0.6503	2.7257	0.0022	3.3782	0.602	-0.0543	0.0202	0.568
1091	15.1	15.5	0.6492	2.7259	0.0021	3.3772	0.5986	-0.0583	0.0222	0.5625
1092	15.2	15.5	0.6479	2.7257	0.0019	3.3756	0.6071	-0.062	0.0244	0.5694
1093	15.3	15.5	0.6471	2.7254	0.0019	3.3744	0.6305	-0.0795	0.0268	0.5778
1094	15.1	15.5	0.6466	2.7261	0.0019	3.3747	0.6335	-0.0786	0.0256	0.5805
1095	14.6	15.4	0.6461	2.7262	0.0021	3.3744	0.6363	-0.0818	0.0252	0.5797
1096	14.7	15.4	0.6459	2.7268	0.0022	3.3749	0.6426	-0.0837	0.0276	0.5865
1097	15	15.4	0.6459	2.7278	0.0021	3.3759	0.6385	-0.0833	0.0274	0.5826
1098	15.5	15.5	0.6456	2.7287	0.0021	3.3763	0.6204	-0.0777	0.0212	0.5639
1099	16.5	15.5	0.6452	2.7287	0.0024	3.3763	0.6171	-0.0679	0.0177	0.5669
1100	16.1	15.5	0.645	2.7287	0.0026	3.3763	0.6151	-0.0636	0.0138	0.5652
1101	14.9	15.6	0.6445	2.7295	0.0025	3.3766	0.6055	-0.0677	0.0105	0.5482

1102	15.7	15.6	0.6441	2.7295	0.0026	3.3763	0.5973	-0.0682	0.0045	0.5336
1103	15.9	15.7	0.6433	2.7302	0.0028	3.3763	0.6035	-0.0776	0.0026	0.5285
1104	15.2	15.8	0.6425	2.7311	0.0028	3.3764	0.6239	-0.0978	-0.0005	0.5256
1105	15.7	15.9	0.642	2.7316	0.003	3.3767	0.6237	-0.1094	0.0008	0.5151
1106	16.1	16	0.6405	2.7326	0.003	3.3762	0.6187	-0.1176	0.0011	0.5022
1107	16.3	16.2	0.6391	2.733	0.0031	3.3752	0.6291	-0.1237	0.0015	0.5068
1108	16.2	16.2	0.637	2.7341	0.0031	3.3741	0.6299	-0.1136	-0.0089	0.5074
1109	15.8	16.3	0.6358	2.7345	0.0028	3.3731	0.6374	-0.115	-0.0129	0.5095
1110	16.1	16.3	0.6351	2.7343	0.0025	3.372	0.6476	-0.1415	-0.0128	0.4933
1111	16.2	16.5	0.6349	2.7339	0.0023	3.3711	0.6542	-0.1505	-0.0129	0.4909
1112	16.1	16.5	0.6351	2.7335	0.0022	3.3708	0.6514	-0.1558	-0.0095	0.4861
1113	16.8	16.5	0.6354	2.7332	0.0022	3.3709	0.6314	-0.1389	-0.0064	0.486
1114	17.4	16.6	0.6352	2.7326	0.0023	3.3701	0.6114	-0.1252	-0.0035	0.4826
1115	17.3	16.6	0.6343	2.7321	0.0023	3.3688	0.6144	-0.1194	-0.0034	0.4915
1116	17.7	16.7	0.6333	2.7322	0.0027	3.3682	0.618	-0.1129	-0.0071	0.498
1117	16.8	16.7	0.6323	2.7325	0.0026	3.3674	0.6192	-0.117	-0.0009	0.5013
1118	17.2	16.8	0.6317	2.7324	0.0024	3.3665	0.6162	-0.1151	-0.0001	0.501
1119	17.3	16.9	0.6312	2.7328	0.0022	3.3662	0.6166	-0.1105	0.0044	0.5105
1120	16.9	17	0.6301	2.7327	0.0023	3.3651	0.6229	-0.1028	0.0052	0.5254
1121	16.1	17.1	0.629	2.7328	0.0023	3.3642	0.6302	-0.1045	0.0037	0.5294
1122	16.2	17.2	0.6283	2.7323	0.0023	3.3629	0.6287	-0.1081	0.0018	0.5224
1123	16.8	17.2	0.6278	2.7319	0.0021	3.3617	0.6171	-0.1111	0.0029	0.5089
1124	17.1	17.2	0.6272	2.7313	0.002	3.3605	0.6073	-0.1196	0.0018	0.4895
1125	16.6	17.2	0.6265	2.7307	0.0019	3.3591	0.6022	-0.1166	0.0017	0.4873
1126	17.2	17.2	0.6259	2.7297	0.0017	3.3573	0.5889	-0.1116	0.0019	0.4792
1127	17.4	17.2	0.6247	2.7286	0.0017	3.355	0.566	-0.1012	-0.0003	0.4645
1128	18.3	17.2	0.6242	2.727	0.0018	3.353	0.5375	-0.0894	-0.0032	0.4449
1129	17.8	17.2	0.6239	2.7268	0.0021	3.3528	0.5305	-0.0872	-0.0032	0.4401
1130	17.1	17.2	0.6233	2.7261	0.0016	3.351	0.5272	-0.0926	-0.0022	0.4324
1131	17.9	17.2	0.6234	2.726	0.0016	3.3511	0.5253	-0.0873	-0.0006	0.4374
1132	18.3	17.2	0.623	2.7261	0.0019	3.351	0.5381	-0.0846	0.0016	0.455
1133	17.3	17.3	0.6224	2.7257	0.0018	3.3499	0.5614	-0.101	-0.0001	0.4603
1134	17.4	17.3	0.6219	2.7254	0.0018	3.3491	0.5726	-0.0993	-0.0005	0.4728
1135	17.7	17.3	0.6209	2.7255	0.002	3.3484	0.5788	-0.1032	-0.001	0.4747
1136	17	17.3	0.6199	2.7259	0.0022	3.348	0.5751	-0.0967	0.0045	0.4828
1137	16.7	17.3	0.6181	2.7265	0.0021	3.3466	0.5773	-0.0817	0.0082	0.5037
1138	16.3	17.2	0.6157	2.7268	0.0013	3.3438	0.5661	-0.0633	0.0089	0.5117

1139	16.9	17.2	0.6149	2.7276	0.0006	3.3431	0.5475	-0.0451	0.0074	0.5099
1140	16.4	17.2	0.615	2.7279	0.0003	3.3432	0.5257	-0.0279	0.009	0.5068
1141	17.3	17.1	0.6147	2.7282	-0.0001	3.3428	0.5072	-0.0142	0.0077	0.5008
1142	17.4	17	0.6138	2.7284	-0.0005	3.3418	0.497	-0.0129	0.007	0.4911
1143	16.6	17	0.6133	2.7279	-0.0008	3.3404	0.4873	-0.014	0.006	0.4794
1144	17.2	17	0.6131	2.7275	-0.0007	3.3399	0.4809	-0.0086	0.0041	0.4764
1145	16.7	16.9	0.6127	2.7266	-0.0008	3.3386	0.4812	-0.0018	0.0063	0.4857
1146	17.3	16.8	0.6132	2.7257	-0.0005	3.3384	0.4841	0.0071	0.0085	0.4997
1147	17.6	16.7	0.6138	2.725	-0.0001	3.3387	0.4865	0.011	0.0088	0.5063
1148	17.4	16.7	0.6134	2.7244	0.0001	3.3379	0.4902	0.0228	0.0064	0.5194
1149	16.7	16.6	0.6128	2.7242	0.0002	3.3372	0.4908	0.0311	0.0084	0.5302
1150	16.6	16.5	0.6131	2.7248	0.0004	3.3383	0.4915	0.0295	0.015	0.5359
1151	16.6	16.3	0.6137	2.7248	0.0007	3.3391	0.4937	0.0362	0.0178	0.5476
1152	17.5	16.2	0.6135	2.7246	0.0007	3.3388	0.4947	0.0489	0.0162	0.5598
1153	16	16.1	0.6126	2.7246	0.001	3.3381	0.5016	0.05	0.0169	0.5685
1154	16	15.9	0.6126	2.7253	0.0009	3.3388	0.4989	0.0566	0.0181	0.5736
1155	16	15.9	0.6128	2.7247	0.0008	3.3383	0.4952	0.0592	0.0198	0.5743
1156	15.3	15.7	0.6125	2.7245	0.0009	3.3379	0.4994	0.0606	0.022	0.582
1157	15.6	15.7	0.6121	2.7241	0.0016	3.3378	0.4891	0.0603	0.0271	0.5765
1158	14.5	15.6	0.6115	2.7243	0.0018	3.3377	0.4839	0.0632	0.0302	0.5773
1159	14	15.5	0.6111	2.7249	0.0019	3.3379	0.4689	0.0783	0.0281	0.5754
1160	14.1	15.5	0.6105	2.7251	0.0022	3.3377	0.4611	0.0881	0.024	0.5732
1161	15.2	15.4	0.6102	2.7259	0.0022	3.3382	0.4605	0.0903	0.0202	0.571
1162	15.4	15.3	0.6101	2.7266	0.002	3.3387	0.4636	0.085	0.0187	0.5673
1163	14.3	15.3	0.6098	2.7272	0.0019	3.3389	0.4709	0.0775	0.0175	0.566
1164	15.4	15.2	0.6085	2.7273	0.0017	3.3376	0.4802	0.0759	0.0159	0.572
1165	14.8	15.2	0.6076	2.727	0.0022	3.3367	0.4845	0.0684	0.0159	0.5687
1166	16	15.3	0.6063	2.7276	0.002	3.3359	0.4781	0.0625	0.0167	0.5573
1167	15.6	15.3	0.6063	2.7277	0.0018	3.3358	0.4696	0.0638	0.0202	0.5536
1168	16.1	15.4	0.6061	2.7274	0.0013	3.3348	0.4613	0.0651	0.0171	0.5435
1169	15.4	15.6	0.6057	2.7272	0.0012	3.3341	0.4639	0.0505	0.0157	0.5301
1170	15.4	15.6	0.6052	2.7272	0.0014	3.3338	0.4641	0.0465	0.0142	0.5249
1171	15.3	15.7	0.605	2.7277	0.0013	3.334	0.4591	0.0403	0.0181	0.5175
1172	15.5	15.7	0.6049	2.7286	0.0011	3.3346	0.4511	0.0342	0.0198	0.5051
1173	15.6	15.8	0.6046	2.7291	0.0012	3.3349	0.454	0.0267	0.021	0.5017
1174	15.7	15.9	0.6043	2.7294	0.0011	3.3348	0.4522	0.0274	0.0184	0.4981
1175	15.8	16	0.6041	2.7294	0.001	3.3345	0.443	0.0279	0.0178	0.4887

1176	16.4	16	0.6039	2.7294	0.0011	3.3344	0.4348	0.031	0.0181	0.4839
1177	16.6	16	0.604	2.7296	0.0012	3.3348	0.4315	0.0255	0.0156	0.4727
1178	16.9	16	0.6037	2.7299	0.0012	3.3348	0.42	0.0184	0.013	0.4513
1179	15.4	16	0.6034	2.7298	0.0012	3.3344	0.4167	0.0024	0.0122	0.4313
1180	16.6	16.1	0.6022	2.7292	0.0015	3.3329	0.4208	-0.005	0.0149	0.4307
1181	16.4	16.2	0.6014	2.7294	0.0015	3.3323	0.4217	-0.0168	0.0062	0.4112
1182	16.2	16.1	0.6012	2.7289	0.0018	3.3319	0.4279	-0.0238	0.0048	0.4089
1183	16.1	16.1	0.6011	2.7285	0.002	3.3315	0.425	-0.026	0.009	0.408
1184	16.2	16.1	0.6006	2.7287	0.0021	3.3313	0.4255	-0.0336	0.0082	0.4002
1185	16.1	16.1	0.6004	2.7284	0.0017	3.3305	0.4255	-0.0392	0.007	0.3934
1186	16	16.1	0.5994	2.7279	0.0013	3.3285	0.4208	-0.0451	0.0103	0.3859
1187	15.8	16	0.5988	2.7276	0.0014	3.3277	0.4201	-0.0488	0.0129	0.3841
1188	16.2	16	0.599	2.7274	0.0014	3.3278	0.405	-0.0451	0.0122	0.372
1189	16.8	16	0.5994	2.7273	0.0014	3.3281	0.3829	-0.0448	0.0062	0.3443
1190	16.7	16	0.5996	2.7271	0.0014	3.3281	0.3786	-0.0375	-0.0008	0.3402
1191	15	16	0.5995	2.7272	0.0014	3.3281	0.3816	-0.0364	-0.0062	0.339
1192	15.5	15.9	0.5992	2.7271	0.0013	3.3276	0.3796	-0.0382	-0.0118	0.3296
1193	15.7	15.9	0.599	2.7263	0.0015	3.3268	0.3778	-0.04	-0.0187	0.3191
1194	15.9	15.8	0.5985	2.7263	0.0013	3.3261	0.3766	-0.0508	-0.0227	0.3032
1195	15.7	15.7	0.5977	2.7255	0.0012	3.3245	0.3783	-0.0652	-0.0203	0.2928
1196	15.7	15.7	0.5973	2.7257	0.0014	3.3243	0.3804	-0.0758	-0.0196	0.285
1197	15.9	15.7	0.5969	2.7256	0.0015	3.3239	0.387	-0.0811	-0.0157	0.2901
1198	15.7	15.5	0.5965	2.7256	0.0013	3.3233	0.3959	-0.09	-0.0139	0.2921
1199	16.2	15.4	0.5961	2.7258	0.0009	3.3227	0.389	-0.0908	-0.0139	0.2843
1200	15.8	15.4	0.5956	2.7251	0.0008	3.3216	0.3829	-0.0867	-0.0086	0.2876
1201	15.8	15.4	0.595	2.7246	0.0009	3.3206	0.3891	-0.0754	-0.0018	0.312
1202	14.6	15.4	0.594	2.7245	0.0009	3.3194	0.3958	-0.0693	0.0025	0.3291
1203	15.4	15.4	0.5935	2.7245	0.001	3.3189	0.3936	-0.0634	0.0069	0.3372
1204	14.3	15.3	0.593	2.7252	0.0008	3.319	0.3873	-0.0536	0.0118	0.3455
1205	15.7	15.3	0.5921	2.7256	0.0008	3.3184	0.3904	-0.0405	0.0103	0.3602
1206	14.9	15.2	0.5916	2.7266	0.0003	3.3185	0.3911	-0.0374	0.0082	0.362
1207	13.9	15.2	0.5907	2.7267	0.0001	3.3175	0.3902	-0.0379	0.0103	0.3626
1208	14.6	15.2	0.5901	2.7262	0.0003	3.3166	0.3862	-0.0394	0.0168	0.3636
1209	15.5	15.1	0.5897	2.7256	0.0004	3.3157	0.3845	-0.0326	0.0199	0.3718
1210	15.8	15.2	0.5891	2.7253	0.0005	3.3149	0.3865	-0.0268	0.0183	0.3779
1211	15.3	15.1	0.5886	2.7254	0.0004	3.3143	0.3876	-0.0259	0.021	0.3827
1212	15	15.1	0.588	2.7257	0.0004	3.3142	0.3906	-0.0215	0.022	0.3912

1213	15.1	15.1	0.5874	2.7257	0.0006	3.3137	0.3989	-0.0148	0.0241	0.4082
1214	15	15.1	0.5868	2.7258	0.0007	3.3133	0.4065	-0.0096	0.0235	0.4204
1215	14.6	15.1	0.5865	2.7259	0.0006	3.313	0.3965	-0.0088	0.0216	0.4093
1216	15.1	15	0.5863	2.7258	0.0007	3.3128	0.3846	-0.0091	0.0256	0.4012
1217	16.3	15.1	0.5862	2.726	0.0009	3.3131	0.371	-0.0057	0.0262	0.3915
1218	15.1	15.1	0.5854	2.7273	0.0008	3.3135	0.3742	-0.0046	0.0237	0.3933
1219	15.9	15	0.5848	2.7281	0.0008	3.3137	0.3734	0.0062	0.0167	0.3963
1220	14.9	15	0.5842	2.7287	0.0005	3.3134	0.3721	0.0147	0.0118	0.3986
1221	15	14.9	0.5839	2.7294	0.0004	3.3137	0.3679	0.0241	0.0106	0.4026
1222	14.6	14.9	0.5829	2.7297	0.0002	3.3128	0.3685	0.0345	0.0062	0.4092
1223	15.1	14.8	0.5825	2.7292	0.0002	3.3119	0.3712	0.0334	0.0045	0.409
1224	14.9	14.8	0.5829	2.7285	0.0002	3.3116	0.3763	0.0309	0.006	0.4131
1225	14.2	14.8	0.583	2.7276	0.0001	3.3107	0.3763	0.0314	0.0088	0.4166
1226	14.3	14.7	0.5827	2.7271	0.0002	3.31	0.3753	0.0297	0.0065	0.4116
1227	14.8	14.5	0.5827	2.7268	0.0004	3.3099	0.3731	0.0213	0.0091	0.4035
1228	14.5	14.4	0.5825	2.7268	0.0006	3.3099	0.3716	0.0198	0.013	0.4044
1229	14.6	14.3	0.5818	2.7273	0.0006	3.3097	0.3683	0.021	0.0148	0.4041
1230	14.6	14.2	0.5811	2.7278	0.001	3.3099	0.3676	0.02	0.0167	0.4042
1231	13.7	14.1	0.5807	2.7284	0.0011	3.3102	0.36	0.0114	0.0228	0.3941
1232	13.9	14	0.5805	2.7287	0.001	3.3102	0.3598	0.0175	0.0244	0.4017
1233	14.9	14	0.5799	2.729	0.001	3.3099	0.3601	0.0157	0.0304	0.4062
1234	14.2	14	0.5794	2.7294	0.0011	3.3098	0.359	0.0197	0.0334	0.412
1235	13.1	14	0.5788	2.73	0.001	3.3098	0.3607	0.0207	0.0341	0.4155
1236	13.2	14	0.5779	2.7308	0.0009	3.3096	0.363	0.0186	0.0329	0.4145
1237	13.3	14	0.5776	2.731	0.0008	3.3094	0.3579	0.0167	0.0298	0.4044
1238	13.3	14.1	0.5774	2.7312	0.0007	3.3094	0.3547	0.0219	0.0272	0.4038
1239	12.9	14.1	0.5771	2.7314	0.0007	3.3091	0.3612	0.0267	0.0226	0.4105
1240	13.8	14.1	0.5768	2.7315	0.0009	3.3093	0.3682	0.03	0.0193	0.4175
1241	13.5	14.1	0.5767	2.732	0.0011	3.3098	0.3743	0.0322	0.019	0.4255
1242	14.3	14.2	0.5761	2.7324	0.0013	3.3098	0.38	0.029	0.0165	0.4255
1243	14.2	14.1	0.5756	2.7329	0.0015	3.3101	0.38	0.0141	0.0187	0.4128
1244	14.9	14.2	0.5753	2.734	0.0013	3.3106	0.3768	-0.0019	0.0229	0.3978
1245	14	14.3	0.5747	2.7342	0.0012	3.3101	0.3691	-0.0069	0.0226	0.3849
1246	15.2	14.3	0.5745	2.7338	0.0011	3.3094	0.3629	-0.0114	0.0181	0.3696
1247	15.4	14.4	0.5743	2.7339	0.0013	3.3095	0.361	-0.0086	0.02	0.3724
1248	14.9	14.5	0.5745	2.7335	0.0014	3.3095	0.3496	-0.0067	0.024	0.3669
1249	14.6	14.6	0.5745	2.7329	0.0011	3.3084	0.3427	-0.0051	0.017	0.3546

1250	14.7	14.6	0.5742	2.7323	0.0006	3.3071	0.3399	-0.0025	0.0099	0.3473
1251	14.8	14.7	0.5741	2.7317	0.0004	3.3062	0.3398	-0.009	0.0059	0.3367
1252	14.3	14.7	0.5741	2.731	0	3.3051	0.3404	-0.0206	0.0043	0.3241
1253	15	14.7	0.5738	2.73	-0.0002	3.3036	0.3384	-0.0307	0.0047	0.3125
1254	14.9	14.6	0.5736	2.7293	-0.0001	3.3028	0.3372	-0.0347	0.0083	0.3109
1255	14.6	14.7	0.5737	2.7284	0	3.3021	0.3299	-0.0318	0.0091	0.3072
1256	14.7	14.7	0.5734	2.7283	-0.0001	3.3016	0.3197	-0.0243	0.006	0.3015
1257	15.4	14.6	0.5735	2.728	-0.0001	3.3014	0.3164	-0.0183	0.0049	0.303
1258	13.9	14.5	0.5731	2.7276	-0.0002	3.3005	0.3108	-0.0229	0.0019	0.2898
1259	14.4	14.5	0.5724	2.7276	0.0001	3.3001	0.3054	-0.042	0.0031	0.2665
1260	14.9	14.4	0.5717	2.7277	0.0001	3.2995	0.3041	-0.0491	0.0051	0.2601
1261	14.6	14.4	0.5711	2.728	0	3.2991	0.2985	-0.048	0.0066	0.2571
1262	14.1	14.4	0.5702	2.7281	-0.0004	3.2979	0.2946	-0.0485	0.0044	0.2505
1263	14	14.3	0.5692	2.7282	-0.0005	3.2969	0.2906	-0.0449	0.005	0.2506
1264	14.5	14.2	0.5689	2.7282	-0.0004	3.2967	0.2865	-0.0459	0.0049	0.2455
1265	14.8	14.1	0.5691	2.7279	-0.0004	3.2966	0.2863	-0.0469	0.005	0.2444
1266	14.4	14	0.5692	2.7282	-0.0006	3.2967	0.2925	-0.0487	0.007	0.2508
1267	13.2	13.9	0.5689	2.7281	-0.0005	3.2965	0.3017	-0.0572	0.0095	0.2539
1268	13.6	13.9	0.5688	2.7268	-0.0004	3.2952	0.3056	-0.0608	0.015	0.2599
1269	13.6	13.8	0.5685	2.7257	0	3.2942	0.3049	-0.0451	0.0178	0.2776
1270	14.1	13.7	0.5684	2.7248	0.0003	3.2935	0.2999	-0.0329	0.0189	0.2859
1271	14	13.6	0.5682	2.7243	0.0007	3.2931	0.2976	-0.028	0.0189	0.2884
1272	13.7	13.5	0.5678	2.7252	0.0007	3.2937	0.3077	-0.016	0.0173	0.309
1273	13	13.4	0.567	2.726	0.0006	3.2936	0.3088	-0.0065	0.0139	0.3162
1274	12.8	13.4	0.5666	2.7263	0.0003	3.2932	0.3067	-0.0066	0.0151	0.3151
1275	12.9	13.3	0.5666	2.7264	0.0003	3.2933	0.311	-0.0082	0.0149	0.3176
1276	13.5	13.3	0.5666	2.7272	0.0002	3.294	0.3133	-0.0108	0.0121	0.3146
1277	13.7	13.3	0.5668	2.7277	-0.0001	3.2944	0.313	-0.0129	0.0131	0.3132
1278	13	13.3	0.5669	2.7278	-0.0003	3.2944	0.3158	-0.019	0.0166	0.3134
1279	12.1	13.3	0.5666	2.7278	-0.0005	3.294	0.3162	-0.0159	0.0194	0.3197
1280	12.8	13.2	0.5662	2.7281	-0.0008	3.2935	0.3122	-0.0067	0.0193	0.3248
1281	12.6	13.2	0.5654	2.7276	-0.0009	3.2921	0.3073	0.0003	0.0227	0.3303
1282	13.1	13.2	0.5652	2.7273	-0.0012	3.2913	0.3017	0.0063	0.023	0.331
1283	13.2	13.3	0.5652	2.7265	-0.0014	3.2903	0.2991	0.0187	0.0181	0.3359
1284	13.3	13.3	0.5645	2.7266	-0.0013	3.2898	0.2997	0.0152	0.0171	0.332
1285	13.4	13.3	0.5641	2.7266	-0.0016	3.2891	0.293	0.0186	0.0189	0.3306
1286	13.7	13.3	0.5636	2.7262	-0.0017	3.2881	0.2849	0.0194	0.0178	0.3221

1287	13.7	13.2	0.5633	2.7254	-0.0014	3.2874	0.2746	0.024	0.0161	0.3146
1288	13.3	13.2	0.5629	2.7247	-0.0009	3.2867	0.267	0.0264	0.0148	0.3081
1289	13.6	13.3	0.5626	2.7243	-0.0005	3.2864	0.2631	0.033	0.0128	0.3089
1290	13.8	13.2	0.5622	2.7239	-0.0005	3.2856	0.2604	0.0341	0.0123	0.3068
1291	13.8	13.2	0.5615	2.7243	-0.0003	3.2855	0.2571	0.0356	0.0169	0.3096
1292	13.6	13.2	0.5612	2.7257	-0.0006	3.2863	0.2553	0.0374	0.018	0.3107
1293	12.9	13.2	0.5613	2.7265	-0.0008	3.287	0.2463	0.0419	0.0227	0.311
1294	13.8	13.1	0.5616	2.727	-0.001	3.2876	0.2447	0.054	0.0224	0.3211
1295	13	13	0.5614	2.7267	-0.0006	3.2875	0.2465	0.0613	0.0156	0.3234
1296	12.7	13	0.5612	2.7265	-0.0006	3.2871	0.2399	0.0667	0.012	0.3186
1297	12.7	13	0.5619	2.7262	-0.0009	3.2872	0.2387	0.0559	0.0133	0.3079
1298	12.7	12.9	0.5622	2.7261	-0.0004	3.2879	0.2382	0.0505	0.0162	0.3049
1299	12.2	12.9	0.5621	2.726	-0.0001	3.288	0.2468	0.0372	0.0167	0.3008
1300	12.6	12.8	0.5617	2.726	0.0002	3.2879	0.2535	0.0187	0.0142	0.2864
1301	13	12.7	0.561	2.7267	0.0005	3.2882	0.2561	0.0089	0.0113	0.2762
1302	12.2	12.6	0.5601	2.7276	0.0004	3.2882	0.2576	0.0061	0.0114	0.2751
1303	12.4	12.5	0.5597	2.728	0.0002	3.2879	0.2565	0.0044	0.0071	0.268
1304	12.1	12.4	0.56	2.7284	-0.0001	3.2883	0.2554	0.0018	0.004	0.2612
1305	13.7	12.3	0.5601	2.728	0.0002	3.2883	0.2564	-0.003	0.0059	0.2594
1306	12.4	12.3	0.56	2.7284	-0.0002	3.2882	0.2585	-0.0158	0.0105	0.2533
1307	12.7	12.2	0.5596	2.729	-0.0001	3.2885	0.2557	-0.0166	0.0096	0.2487
1308	12.2	12.2	0.5595	2.7304	0	3.29	0.2543	-0.0156	0.0049	0.2437
1309	11.8	12.2	0.5593	2.7306	-0.0001	3.2897	0.2489	-0.0136	0.0004	0.2357
1310	11.8	12.2	0.5592	2.7301	-0.0002	3.2892	0.2461	-0.015	0.004	0.2352
1311	11.7	12.1	0.5591	2.7302	0	3.2893	0.2388	-0.0172	0.0061	0.2277
1312	11.9	12.1	0.559	2.7302	0	3.2891	0.2301	-0.0134	0.0071	0.2239
1313	11.7	12.1	0.5588	2.7302	0.0001	3.2891	0.2205	-0.0085	0.005	0.217
1314	11.6	12.1	0.5582	2.7304	0.0002	3.2888	0.2113	-0.005	0.004	0.2103
1315	11.9	12	0.5573	2.7307	-0.0001	3.2879	0.2092	-0.003	0.0078	0.2139
1316	12	11.9	0.5562	2.7315	-0.0003	3.2875	0.2135	-0.0022	0.0105	0.2218
1317	12.2	11.9	0.5557	2.732	-0.0006	3.2871	0.219	0.0002	0.0059	0.2251
1318	12	11.9	0.5549	2.7318	-0.001	3.2857	0.2233	0	0.004	0.2273
1319	12	12	0.5548	2.7314	-0.0011	3.2851	0.228	-0.0188	0.0049	0.2141
1320	12	12	0.5544	2.7315	-0.0014	3.2845	0.2309	-0.0377	0.0098	0.203
1321	11.7	12.1	0.5531	2.731	-0.0014	3.2828	0.2334	-0.058	0.0168	0.1921
1322	12	12.1	0.5521	2.7303	-0.0012	3.2811	0.2307	-0.0768	0.0229	0.1768
1323	12.2	12.2	0.5519	2.7298	-0.0013	3.2804	0.2229	-0.0726	0.023	0.1733

1324	11.9	12.3	0.5518	2.7293	-0.0013	3.2798	0.2192	-0.055	0.0205	0.1848
1325	11.8	12.3	0.5517	2.7287	-0.0012	3.2792	0.2198	-0.0537	0.0167	0.1828
1326	11.9	12.3	0.5514	2.7284	-0.0012	3.2787	0.2224	-0.0549	0.0183	0.1859
1327	12.4	12.3	0.5511	2.7287	-0.0013	3.2786	0.2258	-0.0459	0.0198	0.1997
1328	13	12.3	0.5509	2.7284	-0.0014	3.2779	0.2336	-0.0367	0.019	0.2158
1329	12.9	12.3	0.5506	2.728	-0.0013	3.2773	0.2341	-0.026	0.0172	0.2253
1330	12.2	12.3	0.5504	2.7277	-0.0013	3.2769	0.2275	-0.0184	0.015	0.224
1331	12.6	12.3	0.5505	2.7278	-0.0012	3.2771	0.2242	-0.0078	0.01	0.2263
1332	12.9	12.2	0.5506	2.7268	-0.0008	3.2766	0.217	-0.008	0.005	0.2139
1333	13.3	12.2	0.5499	2.7275	-0.0007	3.2767	0.2139	-0.0143	-0.0013	0.1983
1334	12.4	12.2	0.55	2.7275	-0.0008	3.2767	0.2109	-0.0261	-0.0058	0.1791
1335	12	12.2	0.5503	2.7281	-0.0008	3.2776	0.2033	-0.0331	-0.0072	0.163
1336	12.4	12.1	0.5504	2.7284	-0.0007	3.2781	0.199	-0.0412	-0.01	0.1478
1337	12.2	12.1	0.5509	2.7284	-0.0006	3.2786	0.1911	-0.0512	-0.0116	0.1282
1338	11.5	12	0.5511	2.7279	-0.0006	3.2785	0.189	-0.0674	-0.0095	0.1121
1339	11.9	12	0.551	2.7279	-0.0006	3.2784	0.1856	-0.0788	-0.0056	0.1012
1340	11.7	11.9	0.5511	2.728	-0.0008	3.2783	0.185	-0.0761	-0.0033	0.1056
1341	11.6	11.9	0.5512	2.7283	-0.0007	3.2788	0.1813	-0.0823	-0.0031	0.0959
1342	11.6	11.7	0.5514	2.7282	-0.0009	3.2787	0.1817	-0.0817	-0.0011	0.0989
1343	11.4	11.6	0.5512	2.7275	-0.0008	3.278	0.1854	-0.0709	-0.001	0.1135
1344	11.5	11.5	0.5507	2.7278	-0.0003	3.2782	0.1851	-0.0662	0.0022	0.1211
1345	10.9	11.5	0.5507	2.7275	0	3.2782	0.1845	-0.0613	0.0027	0.1259
1346	11.2	11.5	0.5506	2.7282	-0.0002	3.2786	0.1822	-0.0599	0.006	0.1283
1347	12.1	11.4	0.5504	2.7289	-0.0003	3.279	0.1774	-0.0585	0.002	0.121
1348	11.8	11.4	0.5498	2.7298	-0.0002	3.2794	0.1833	-0.0614	-0.0023	0.1196
1349	11.8	11.4	0.5491	2.731	-0.0003	3.2798	0.1883	-0.063	0.0019	0.1272
1350	11.1	11.4	0.5485	2.7314	-0.0005	3.2795	0.1913	-0.0698	0.0042	0.1257
1351	10.5	11.5	0.5483	2.7311	-0.0007	3.2787	0.1902	-0.0708	0.0091	0.1285
1352	10.9	11.5	0.5484	2.7305	-0.0007	3.2783	0.188	-0.0641	0.0117	0.1355
1353	11.1	11.5	0.5483	2.7298	-0.0006	3.2775	0.1796	-0.0624	0.0145	0.1316
1354	11.4	11.6	0.5479	2.7296	-0.0007	3.2768	0.1824	-0.0648	0.016	0.1336
1355	11.5	11.6	0.5478	2.73	-0.0011	3.2767	0.2159	-0.0644	0.0092	0.1606
1356	11.5	11.6	0.5479	2.73	-0.0011	3.2768	0.2405	-0.0677	-0.0305	0.1423
1357	11.8	11.6	0.5481	2.7296	-0.0006	3.277	0.2359	-0.0587	-0.0359	0.1413
1358	11.6	11.6	0.5482	2.729	-0.0002	3.2769	0.2294	-0.047	-0.0353	0.1471
1359	11.9	11.6	0.5478	2.7291	-0.0003	3.2766	0.2272	-0.0237	-0.0345	0.169
1360	12.6	11.6	0.5478	2.7294	-0.0005	3.2767	0.2244	-0.0194	-0.0332	0.1718

1361	11.5	11.6	0.5481	2.7293	-0.0007	3.2767	0.2346	-0.0219	-0.0375	0.1752
1362	11.9	11.6	0.5482	2.7289	-0.0009	3.2762	0.2382	-0.0177	-0.0399	0.1806
1363	12.4	11.7	0.548	2.7287	-0.0009	3.2758	0.2381	-0.0089	-0.0413	0.1879
1364	11.8	11.7	0.548	2.7285	-0.0012	3.2753	0.2403	-0.0075	-0.0399	0.193
1365	11.3	11.7	0.5478	2.7282	-0.0014	3.2745	0.2404	-0.0084	-0.039	0.193
1366	11.3	11.7	0.5473	2.7282	-0.0012	3.2742	0.2338	-0.0164	-0.0405	0.1768
1367	12	11.7	0.5465	2.7281	-0.0009	3.2737	0.2207	-0.0033	-0.0385	0.1788
1368	11.8	11.6	0.546	2.7287	-0.0009	3.2738	0.2137	0.0131	-0.0403	0.1865
1369	11.4	11.6	0.5454	2.7295	-0.001	3.2739	0.2018	0.0187	-0.0441	0.1764
1370	11.1	11.5	0.545	2.7306	-0.0013	3.2743	0.2015	0.0125	-0.0472	0.1668
1371	11.6	11.5	0.5451	2.7319	-0.0016	3.2754	0.1963	0.0148	-0.0513	0.1598
1372	11.7	11.5	0.5455	2.7325	-0.0016	3.2764	0.1837	0.0092	-0.0517	0.1412
1373	11.5	11.4	0.5451	2.7315	-0.0015	3.2751	0.1723	0.0015	-0.0502	0.1236
1374	11.9	11.4	0.5447	2.7316	-0.0014	3.2749	0.1696	-0.0046	-0.0505	0.1144
1375	11.3	11.4	0.5444	2.7319	-0.0015	3.2747	0.1691	-0.0107	-0.0496	0.1088
1376	11.3	11.3	0.544	2.7318	-0.0018	3.2741	0.1664	-0.0101	-0.0509	0.1054
1377	11	11.3	0.5434	2.7313	-0.002	3.2728	0.1602	-0.0102	-0.0525	0.0974
1378	10.5	11.3	0.5435	2.7304	-0.002	3.2719	0.1552	-0.0051	-0.0557	0.0943
1379	10.9	11.2	0.5439	2.7296	-0.002	3.2716	0.1525	-0.0058	-0.0609	0.0859
1380	11.6	11.2	0.5438	2.7289	-0.0018	3.2709	0.1508	-0.011	-0.0639	0.0759
1381	11.4	11.1	0.5437	2.7284	-0.0014	3.2707	0.1492	-0.0195	-0.0601	0.0696
1382	11.1	11	0.5438	2.7287	-0.0011	3.2715	0.156	-0.0235	-0.059	0.0735
1383	11.1	11	0.5441	2.7291	-0.0008	3.2724	0.1588	-0.0405	-0.0529	0.0654
1384	11.2	10.9	0.5442	2.7299	-0.0006	3.2735	0.1513	-0.0381	-0.0509	0.0624
1385	11.2	10.9	0.5442	2.7307	-0.0006	3.2743	0.1527	-0.0378	-0.0507	0.0642
1386	11.2	10.9	0.5445	2.7313	-0.0005	3.2753	0.1516	-0.0306	-0.0504	0.0706
1387	11.1	10.8	0.5444	2.7322	-0.0004	3.2762	0.1516	-0.0261	-0.0495	0.076
1388	11.1	10.8	0.5443	2.7326	-0.0003	3.2766	0.1577	-0.0278	-0.0485	0.0814
1389	9.8	10.8	0.5441	2.7319	-0.0002	3.2758	0.1606	-0.0307	-0.0462	0.0837
1390	10.2	10.8	0.544	2.7321	-0.0002	3.276	0.1625	-0.0289	-0.0433	0.0903
1391	10.6	10.7	0.5433	2.7325	-0.0001	3.2757	0.1658	-0.0207	-0.0454	0.0997
1392	10.8	10.7	0.5427	2.7328	-0.0005	3.275	0.1678	-0.016	-0.0478	0.104
1393	10.5	10.7	0.5428	2.7331	-0.001	3.2749	0.1694	-0.01	-0.0531	0.1062
1394	10.4	10.6	0.5431	2.7331	-0.0012	3.275	0.1657	-0.0186	-0.0545	0.0926
1395	11	10.6	0.5432	2.7327	-0.0012	3.2747	0.1685	-0.0129	-0.0515	0.1041
1396	10.4	10.6	0.5435	2.7324	-0.0008	3.275	0.1669	-0.0309	-0.0468	0.0892
1397	10.3	10.5	0.5436	2.7324	-0.0007	3.2753	0.1646	-0.0373	-0.0448	0.0825

1398	11	10.5	0.5434	2.7324	-0.0006	3.2751	0.1593	-0.0266	-0.0433	0.0894
1399	10.2	10.5	0.543	2.733	-0.0005	3.2754	0.1534	-0.0151	-0.0458	0.0925
1400	10.5	10.5	0.5426	2.7331	-0.0007	3.275	0.1466	-0.003	-0.0506	0.093
1401	10.6	10.6	0.5422	2.7331	-0.0007	3.2746	0.1435	-0.0024	-0.0541	0.0869
1402	10.9	10.6	0.5422	2.7338	-0.001	3.275	0.1407	-0.0184	-0.0557	0.0666
1403	10.2	10.6	0.5415	2.7344	-0.0015	3.2745	0.1405	-0.0289	-0.0524	0.0593
1404	10.9	10.7	0.5384	2.7348	-0.001	3.2722	0.1413	-0.0387	-0.05	0.0526
1405	10.2	10.6	0.5361	2.7348	0.0033	3.2741	0.1402	-0.0416	-0.0512	0.0474
1406	10.7	10.7	0.5364	2.7343	0.0034	3.2741	0.1422	-0.0401	-0.0553	0.0467
1407	10.2	10.8	0.5367	2.7337	0.0034	3.2738	0.1417	-0.0415	-0.0568	0.0434
1408	10.2	10.8	0.5368	2.7328	0.0034	3.273	0.1396	-0.0513	-0.0506	0.0377
1409	10.7	10.8	0.5368	2.7325	0.0032	3.2726	0.1415	-0.0635	-0.0503	0.0277
1410	11.1	10.9	0.5358	2.7323	0.0036	3.2716	0.1416	-0.0666	-0.0529	0.0221
1411	11.1	10.9	0.5353	2.732	0.0039	3.2712	0.1422	-0.064	-0.0542	0.024
1412	10.9	10.9	0.5351	2.7311	0.0041	3.2703	0.1472	-0.0625	-0.0542	0.0304
1413	11.5	10.9	0.5347	2.731	0.0041	3.2698	0.1482	-0.0609	-0.0529	0.0343
1414	10.9	10.9	0.5341	2.7313	0.0041	3.2695	0.1421	-0.0636	-0.0555	0.023
1415	11.7	11	0.5339	2.7324	0.004	3.2703	0.1358	-0.0579	-0.0609	0.017
1416	11.1	11	0.5341	2.7319	0.0036	3.2696	0.1328	-0.056	-0.0625	0.0143
1417	11	11	0.5343	2.7307	0.0034	3.2684	0.1274	-0.0488	-0.0606	0.018
1418	11.3	11	0.5347	2.73	0.0034	3.2681	0.1188	-0.0477	-0.0588	0.0123
1419	11.3	11	0.5347	2.7301	0.0036	3.2684	0.1108	-0.041	-0.0602	0.0096
1420	11	11	0.5348	2.73	0.0037	3.2685	0.1054	-0.0319	-0.0591	0.0144
1421	11.2	10.9	0.5348	2.7301	0.0038	3.2686	0.1055	-0.02	-0.0622	0.0233
1422	11	10.9	0.5348	2.7302	0.0038	3.2688	0.1078	-0.0084	-0.0649	0.0345
1423	10.7	10.8	0.5349	2.7303	0.0038	3.2689	0.1138	-0.0042	-0.064	0.0456
1424	10.7	10.8	0.5349	2.7304	0.0037	3.2689	0.1087	-0.0148	-0.0619	0.0319
1425	10.9	10.7	0.535	2.7297	0.0039	3.2687	0.106	-0.0071	-0.0629	0.0359
1426	11	10.6	0.5354	2.7294	0.0041	3.269	0.108	0	-0.062	0.0461
1427	10.6	10.6	0.5356	2.7292	0.0043	3.2691	0.1118	-0.0001	-0.0621	0.0495
1428	10.3	10.5	0.5357	2.7289	0.0047	3.2693	0.1078	-0.0026	-0.0627	0.0425
1429	10	10.4	0.5355	2.7291	0.0051	3.2697	0.1121	-0.0046	-0.0636	0.044
1430	10.7	10.4	0.5355	2.7297	0.0047	3.2699	0.1254	-0.0031	-0.0661	0.0562
1431	9.91	10.3	0.5349	2.7301	0.0047	3.2697	0.1369	-0.0125	-0.0637	0.0607
1432	10.1	10.3	0.5347	2.7309	0.0045	3.2701	0.1341	-0.0214	-0.059	0.0537
1433	10.4	10.3	0.5348	2.7313	0.0044	3.2705	0.1364	-0.0252	-0.0509	0.0603
1434	9.98	10.3	0.5348	2.7313	0.0043	3.2703	0.1496	-0.0316	-0.0445	0.0735

1435	9.68	10.3	0.5351	2.7311	0.0042	3.2705	0.1599	-0.038	-0.0388	0.0831
1436	9.83	10.2	0.5353	2.731	0.0042	3.2705	0.161	-0.0321	-0.0343	0.0946
1437	10.3	10.3	0.5351	2.7312	0.0042	3.2705	0.1646	-0.0257	-0.0372	0.1017
1438	10	10.3	0.535	2.731	0.0041	3.2701	0.1611	-0.0175	-0.04	0.1036
1439	9.95	10.3	0.5348	2.7308	0.0038	3.2694	0.1598	-0.0143	-0.0378	0.1077
1440	10.3	10.3	0.5345	2.73	0.0038	3.2684	0.1567	-0.0243	-0.036	0.0965
1441	10.2	10.3	0.5344	2.7299	0.0041	3.2684	0.1557	-0.0133	-0.0362	0.1062
1442	10.8	10.3	0.5345	2.7292	0.0044	3.2681	0.1471	-0.0114	-0.036	0.0998
1443	11.1	10.3	0.5346	2.7294	0.0047	3.2687	0.1341	-0.01	-0.0393	0.0848
1444	10.2	10.3	0.5338	2.7291	0.0049	3.2678	0.1313	0.0003	-0.0487	0.0829
1445	10.3	10.4	0.534	2.7306	0.0047	3.2693	0.1317	0.0045	-0.0548	0.0814
1446	11.1	10.4	0.5341	2.732	0.0043	3.2704	0.1302	0.0047	-0.0541	0.0808
1447	10.7	10.4	0.5345	2.7316	0.004	3.2701	0.1351	0.001	-0.0479	0.0882
1448	10.6	10.5	0.5345	2.7313	0.0044	3.2702	0.1361	0.0044	-0.0451	0.0954
1449	10.4	10.5	0.5345	2.7313	0.0047	3.2705	0.1315	0.0161	-0.0442	0.1034
1450	10.2	10.5	0.5342	2.7317	0.0049	3.2708	0.1215	0.0268	-0.0442	0.1041
1451	10.2	10.5	0.5343	2.7329	0.0048	3.272	0.1156	0.0267	-0.0456	0.0967
1452	10.4	10.5	0.5344	2.7334	0.0045	3.2723	0.1078	0.0181	-0.0463	0.0796
1453	10.3	10.5	0.5342	2.7336	0.0044	3.2722	0.1064	0.0159	-0.0539	0.0685
1454	10.6	10.5	0.5339	2.7338	0.0044	3.2721	0.099	0.0212	-0.0595	0.0606
1455	10.6	10.6	0.5336	2.734	0.0045	3.2721	0.0695	0.0256	-0.0535	0.0416
1456	10.5	10.5	0.5337	2.7341	0.0046	3.2724	0.0433	0.0201	-0.0101	0.0533
1457	10.5	10.5	0.5341	2.7347	0.0045	3.2733	0.0353	0.0155	-0.0103	0.0405
1458	10	10.5	0.534	2.7353	0.0048	3.2741	0.0386	0.0122	-0.012	0.0388
1459	10.3	10.5	0.5336	2.7358	0.005	3.2744	0.042	0.0048	-0.0141	0.0327
1460	10.2	10.6	0.5336	2.7358	0.0049	3.2743	0.0476	0.002	-0.0132	0.0364
1461	10.6	10.6	0.5334	2.7356	0.0047	3.2737	0.0435	0	-0.0094	0.0341
1462	11.3	10.6	0.5333	2.735	0.0044	3.2728	0.0391	-0.0051	-0.0056	0.0284
1463	11.4	10.6	0.5338	2.7351	0.0047	3.2735	0.0397	-0.0118	-0.0055	0.0224
1464	10.6	10.7	0.5344	2.7343	0.0049	3.2736	0.0306	-0.0113	-0.008	0.0113
1465	10.5	10.7	0.5345	2.7338	0.0048	3.273	0.0275	-0.0091	-0.0071	0.0113
1466	10.7	10.7	0.5346	2.733	0.0048	3.2724	0.0311	0.0036	-0.0062	0.0285
1467	10.6	10.7	0.5347	2.7329	0.005	3.2725	0.0367	0.0049	-0.0098	0.0319
1468	10.4	10.7	0.5349	2.7328	0.0051	3.2728	0.039	0.0034	-0.0121	0.0303
1469	10.9	10.8	0.5349	2.7327	0.0049	3.2725	0.0392	0.0005	-0.012	0.0277
1470	11.2	10.8	0.5345	2.7326	0.0049	3.272	0.0378	0.0046	-0.009	0.0334
1471	10.9	10.8	0.5343	2.7328	0.0049	3.272	0.0382	0.0072	-0.0053	0.0401

1472	10.4	10.7	0.5341	2.7329	0.0048	3.2718	0.0376	0.0121	-0.0023	0.0474
1473	11.4	10.7	0.5342	2.733	0.0047	3.2719	0.0418	0.0162	-0.002	0.0561
1474	10.4	10.8	0.5341	2.7324	0.0049	3.2713	0.0431	0.0188	0.0014	0.0633
1475	10.9	10.8	0.5335	2.7319	0.0047	3.2701	0.0446	0.02	0.0032	0.0679
1476	10.7	10.8	0.5328	2.7318	0.0044	3.2691	0.0488	0.0143	0.0103	0.0734
1477	10.8	10.9	0.5327	2.7316	0.0043	3.2685	0.0531	0.0045	0.0122	0.0698
1478	10.8	10.9	0.5323	2.7308	0.0044	3.2675	0.0677	0.0042	0.0157	0.0876
1479	10.6	10.9	0.5314	2.73	0.0046	3.266	0.0724	0.0065	0.0198	0.0987
1480	10.4	10.9	0.5301	2.7301	0.0046	3.2648	0.0707	0.0126	0.0198	0.1031
1481	10.5	10.9	0.5303	2.7305	0.0045	3.2653	0.0685	0.0244	0.0161	0.109
1482	11.1	10.9	0.5302	2.7313	0.004	3.2654	0.0616	0.0334	0.0186	0.1137
1483	11.1	10.9	0.5291	2.7323	0.0036	3.2651	0.0618	0.0353	0.0172	0.1143
1484	11.3	10.9	0.5282	2.7337	0.0033	3.2652	0.0666	0.0355	0.0143	0.1163
1485	11.3	11	0.5281	2.7339	0.0028	3.2648	0.0653	0.0339	0.0161	0.1153
1486	11.5	11	0.528	2.7339	0.0032	3.2651	0.0629	0.0378	0.0164	0.1171
1487	11.1	11	0.5283	2.7339	0.0036	3.2658	0.0587	0.0465	0.0151	0.1202
1488	11	10.9	0.5283	2.734	0.0035	3.2658	0.056	0.0511	0.013	0.1201
1489	10.8	11	0.5284	2.7343	0.0034	3.2662	0.0551	0.0459	0.0116	0.1126
1490	11	10.9	0.5285	2.7335	0.0034	3.2654	0.0521	0.048	0.0082	0.1083
1491	10.9	10.9	0.5286	2.7336	0.0035	3.2657	0.0544	0.0417	0.0068	0.1029
1492	10.9	10.8	0.5293	2.7338	0.0035	3.2665	0.0531	0.0384	0.0108	0.1023
1493	11.1	10.8	0.5297	2.7331	0.0039	3.2666	0.048	0.0305	0.0138	0.0924
1494	11.4	10.6	0.53	2.7327	0.0042	3.2669	0.0437	0.0304	0.0139	0.088
1495	10.9	10.5	0.5302	2.7322	0.0042	3.2666	0.0309	0.0274	0.013	0.0713
1496	10.6	10.4	0.5299	2.7323	0.0039	3.2662	0.0311	0.0392	0.009	0.0793
1497	10.3	10.3	0.53	2.7319	0.0038	3.2657	0.0309	0.0508	0.0032	0.0849
1498	11	10.3	0.5302	2.7308	0.0038	3.2648	0.0357	0.0457	0.0013	0.0827
1499	9.97	10.2	0.5308	2.7303	0.0039	3.265	0.0303	0.0402	0.0018	0.0722
1500	10.2	10.1	0.5311	2.7304	0.0039	3.2654	0.0294	0.0384	0.0064	0.0742
1501	9.76	10.1	0.5314	2.7313	0.0039	3.2667	0.023	0.0492	0.0102	0.0824
1502	9.24	10	0.5315	2.7322	0.0044	3.2681	0.0234	0.0578	0.0115	0.0927
1503	9.07	10	0.5316	2.7323	0.0045	3.2684	0.0216	0.0616	0.0093	0.0925
1504	9.05	9.97	0.5314	2.7323	0.0043	3.268	0.0159	0.0647	0.008	0.0886
1505	9.32	9.98	0.5317	2.7328	0.0043	3.2687	0.0148	0.0659	0.0089	0.0896
1506	9.41	10	0.5328	2.7327	0.0044	3.27	0.0118	0.0681	0.0096	0.0895
1507	9.86	10.1	0.5328	2.7325	0.0046	3.2699	0.0096	0.0644	0.0115	0.0856
1508	9.34	10	0.5326	2.7323	0.0049	3.2698	0.0127	0.0674	0.0094	0.0894

1509	9.46	10.1	0.5321	2.7323	0.0045	3.2689	0.0093	0.0738	0.0105	0.0936
1510	10.5	10.2	0.5314	2.7323	0.0045	3.2682	0.001	0.0785	0.0136	0.0932
1511	10.5	10.2	0.5314	2.7325	0.0045	3.2684	-0.0009	0.0818	0.014	0.0949
1512	10.3	10.3	0.5312	2.7323	0.0046	3.2681	-0.004	0.0749	0.0119	0.0828
1513	10.7	10.5	0.5317	2.7321	0.0049	3.2687	-0.0039	0.0688	0.009	0.0738
1514	11.1	10.7	0.5314	2.7322	0.0048	3.2684	0.0079	0.0661	0.0097	0.0837
1515	11.3	10.8	0.5308	2.732	0.0046	3.2674	0.0181	0.0609	0.0127	0.0917
1516	11.2	11	0.5304	2.7314	0.0046	3.2664	0.0217	0.0573	0.0117	0.0906
1517	10.6	11.1	0.5304	2.7304	0.0046	3.2654	0.0248	0.0521	0.0128	0.0896
1518	10.9	11.2	0.5308	2.7299	0.0046	3.2653	0.0306	0.0464	0.0165	0.0936
1519	11.5	11.2	0.5309	2.7297	0.0045	3.2651	0.0364	0.034	0.0198	0.0901
1520	11.1	11.3	0.531	2.7293	0.0043	3.2645	0.0408	0.0246	0.0162	0.0816
1521	11.4	11.3	0.531	2.7289	0.004	3.2639	0.0413	0.0209	0.0178	0.08
1522	11.9	11.3	0.5306	2.7285	0.004	3.2632	0.0427	0.0234	0.0182	0.0842
1523	12.2	11.3	0.5306	2.7284	0.0036	3.2626	0.0393	0.0296	0.0171	0.0859
1524	12.2	11.3	0.5304	2.7284	0.0034	3.2622	0.036	0.0299	0.015	0.0809
1525	12.7	11.3	0.5301	2.7283	0.0029	3.2613	0.0386	0.0349	0.0165	0.09
1526	11.3	11.3	0.5301	2.729	0.0029	3.262	0.0325	0.034	0.0105	0.077
1527	11.1	11.3	0.5288	2.7288	0.0027	3.2604	0.025	0.0279	0.0075	0.0604
1528	11	11.3	0.5284	2.7283	0.0027	3.2595	0.0262	0.027	0.006	0.0591
1529	10.8	11.3	0.5285	2.7278	0.0031	3.2594	0.0294	0.0205	0.0092	0.0591
1530	10.8	11.3	0.5287	2.7272	0.0031	3.259	0.0211	0.0165	0.013	0.0506
1531	10.8	11.2	0.5287	2.7268	0.0028	3.2584	0.0084	0.0251	0.0126	0.0462
1532	11.1	11.2	0.5285	2.7273	0.0028	3.2586	0.016	0.0305	0.013	0.0596
1533	10.9	11.1	0.5281	2.7278	0.003	3.2588	0.012	0.033	0.0052	0.0501
1534	11.5	11	0.5283	2.7279	0.0027	3.2588	-0.0063	0.0427	-0.0004	0.036
1535	11.1	10.9	0.5289	2.7273	0.0026	3.2588	-0.0232	0.0607	-0.0071	0.0304
1536	11	10.8	0.5294	2.7264	0.0027	3.2585	-0.0221	0.0573	-0.0127	0.0225
1537	10.9	10.8	0.5295	2.726	0.0029	3.2584	-0.0251	0.0544	-0.0079	0.0214
1538	10.6	10.7	0.5295	2.7264	0.0029	3.2589	-0.026	0.0636	-0.002	0.0357
1539	11	10.7	0.5296	2.726	0.0029	3.2586	-0.026	0.0624	-0.0022	0.0342
1540	10.7	10.7	0.5291	2.7259	0.0031	3.2581	-0.0252	0.0664	-0.0033	0.0379
1541	10.6	10.6	0.5291	2.726	0.003	3.2581	-0.023	0.0598	-0.0044	0.0324
1542	10.7	10.6	0.5297	2.7262	0.003	3.2589	-0.019	0.061	-0.0054	0.0366
1543	10.6	10.5	0.5302	2.7264	0.0033	3.2599	-0.0067	0.0512	-0.0055	0.039
1544	10.6	10.5	0.5307	2.7264	0.0036	3.2607	0.0006	0.0372	-0.0014	0.0364
1545	10.3	10.4	0.5309	2.7267	0.0038	3.2613	0.0065	0.0326	-0.0004	0.0387

1546	9.97	10.4	0.5311	2.7269	0.004	3.2619	0.009	0.0243	-0.0041	0.0292
1547	10.2	10.4	0.5309	2.727	0.0039	3.2618	0.0106	0.0145	-0.0076	0.0175
1548	10.2	10.4	0.5315	2.7273	0.0042	3.2629	0.0184	0.0102	-0.0071	0.0215
1549	9.7	10.3	0.5315	2.7275	0.0041	3.2631	0.0241	-0.0032	-0.008	0.013
1550	10.4	10.3	0.5319	2.7267	0.0039	3.2625	0.0279	-0.0125	-0.0058	0.0096
1551	9.92	10.3	0.5319	2.7271	0.0037	3.2628	0.0274	-0.006	-0.0038	0.0175
1552	10.3	10.3	0.5322	2.7272	0.0036	3.2631	0.0284	0.0081	-0.0017	0.0349
1553	10.4	10.4	0.5326	2.7272	0.0036	3.2633	0.0263	0.0248	0.0023	0.0534
1554	10	10.4	0.5324	2.7272	0.0035	3.2631	0.0203	0.03	0.003	0.0532
1555	10.1	10.5	0.5324	2.7272	0.0035	3.2631	0.0129	0.0336	0.0014	0.048
1556	10.5	10.5	0.5327	2.7277	0.0035	3.2639	0.0174	0.0388	0.0006	0.0568
1557	10.8	10.6	0.5328	2.728	0.0035	3.2643	0.0288	0.0347	0.0016	0.0651
1558	10.5	10.6	0.5331	2.7279	0.0038	3.2648	0.0265	0.0313	0.0027	0.0605
1559	10.1	10.6	0.5335	2.7279	0.0036	3.2651	0.0257	0.0293	0.0029	0.0579
1560	10.3	10.6	0.5337	2.7276	0.0035	3.2648	0.0207	0.0318	-0.0025	0.05
1561	11.5	10.7	0.5338	2.7281	0.0035	3.2654	0.0233	0.0139	-0.0019	0.0353
1562	11.7	10.7	0.5337	2.7281	0.0035	3.2654	0.0259	0.0121	0.0022	0.0402
1563	11.2	10.7	0.533	2.7284	0.0037	3.2652	0.0233	0.0123	0.0052	0.0408
1564	11.5	10.8	0.5326	2.7282	0.0036	3.2644	0.0253	0.0167	0.007	0.049
1565	10.7	10.8	0.5323	2.728	0.0036	3.264	0.0167	0.029	0.0055	0.0512
1566	10.7	10.8	0.5321	2.7278	0.0036	3.2635	0.009	0.0347	-0.0004	0.0433
1567	10.4	10.8	0.5316	2.7283	0.0033	3.2631	0.002	0.0369	-0.0044	0.0344
1568	10.7	10.8	0.5313	2.7294	0.0031	3.2638	-0.0044	0.0281	-0.0017	0.022
1569	10.9	10.8	0.5308	2.7302	0.0033	3.2643	-0.003	0.0215	0.0004	0.0188
1570	10.6	10.8	0.5304	2.7305	0.0031	3.264	-0.003	0.0165	-0.0014	0.012
1571	11.3	10.8	0.53	2.7304	0.0031	3.2636	-0.0022	0.0095	-0.0028	0.0045
1572	10.3	10.8	0.5302	2.7299	0.0031	3.2632	-0.0064	0.0012	-0.0047	-0.0099
1573	11	10.7	0.5306	2.73	0.0032	3.2638	-0.0115	-0.0007	-0.0021	-0.0144
1574	10.2	10.7	0.5302	2.7289	0.0032	3.2623	-0.0091	-0.0029	-0.0068	-0.0188
1575	10.4	10.8	0.5303	2.7285	0.0036	3.2624	-0.0128	-0.0022	-0.0085	-0.0234
1576	10.7	10.7	0.5303	2.7291	0.0037	3.2631	-0.0124	-0.0028	-0.0146	-0.0299
1577	10.5	10.8	0.53	2.7289	0.0037	3.2626	-0.0123	0.0088	-0.0129	-0.0165
1578	10.8	10.8	0.5293	2.7288	0.0034	3.2616	-0.0242	0.0072	-0.0132	-0.0301
1579	10.3	10.7	0.5292	2.7283	0.0033	3.2609	-0.0228	0.0012	-0.0135	-0.0351
1580	10.9	10.7	0.5293	2.7276	0.0033	3.2602	-0.0214	-0.0048	-0.0122	-0.0384
1581	11.4	10.6	0.5287	2.7275	0.0032	3.2594	-0.0177	-0.0095	-0.0118	-0.039
1582	11.1	10.6	0.529	2.728	0.0035	3.2604	-0.0075	-0.0099	-0.0137	-0.0312

1583	11.2	10.6	0.5298	2.728	0.0037	3.2615	-0.0026	-0.0042	-0.0128	-0.0195
1584	11.1	10.6	0.5305	2.7276	0.004	3.2621	0.0168	-0.0057	-0.007	0.0041
1585	10.5	10.6	0.5303	2.7282	0.0041	3.2626	0.0376	-0.0203	-0.0103	0.007
1586	10.6	10.6	0.5305	2.7285	0.004	3.263	0.0402	-0.0203	-0.0118	0.0082
1587	10.6	10.6	0.5309	2.7275	0.0038	3.2622	0.0383	-0.0239	-0.0059	0.0085
1588	10.5	10.5	0.5309	2.7278	0.0037	3.2624	0.034	-0.0268	-0.0032	0.004
1589	10	10.5	0.5309	2.7277	0.0037	3.2624	0.0379	-0.0234	-0.0043	0.0102
1590	9.96	10.4	0.5308	2.7275	0.0039	3.2621	0.0532	-0.0285	-0.0038	0.0209
1591	10.6	10.3	0.5305	2.7275	0.004	3.262	0.0598	-0.0364	-0.0006	0.0228
1592	10.6	10.3	0.5299	2.7287	0.004	3.2626	0.0615	-0.0402	-0.0007	0.0206
1593	10.3	10.2	0.5296	2.7294	0.004	3.263	0.0645	-0.0388	0.0006	0.0263
1594	10.3	10.1	0.5293	2.7294	0.0043	3.263	0.069	-0.0358	0.0048	0.038
1595	10.2	10.1	0.5293	2.7298	0.0046	3.2637	0.0696	-0.0282	0.0079	0.0494
1596	9.88	10.1	0.5289	2.7308	0.0047	3.2644	0.0667	-0.0215	0.0072	0.0523
1597	9.65	10.1	0.5282	2.7309	0.0045	3.2636	0.0621	-0.0183	0.0049	0.0486
1598	9.73	10.1	0.5278	2.7311	0.0046	3.2635	0.0613	-0.0132	0.0042	0.0523
1599	9.92	10.1	0.528	2.7316	0.0045	3.2641	0.0628	-0.016	0.0077	0.0546
1600	9.58	10.2	0.5283	2.731	0.0043	3.2636	0.0639	-0.0203	0.0059	0.0495
1601	9.77	10.2	0.5286	2.7305	0.0041	3.2632	0.0657	-0.0223	0.0033	0.0467
1602	9.91	10.2	0.5289	2.7298	0.0041	3.2628	0.0638	-0.0181	-0.0002	0.0455
1603	10	10.2	0.5296	2.7293	0.0042	3.2631	0.0693	-0.0244	-0.0018	0.0431
1604	10.1	10.2	0.5301	2.7289	0.0042	3.2632	0.0657	-0.0253	-0.003	0.0374
1605	10.5	10.3	0.53	2.7289	0.0042	3.2631	0.0537	-0.0228	-0.0033	0.0277
1606	10.5	10.3	0.53	2.7293	0.0043	3.2635	0.0491	-0.022	-0.0023	0.0248
1607	10.3	10.3	0.5302	2.7293	0.0044	3.2639	0.0507	-0.0174	-0.0008	0.0325
1608	10.8	10.3	0.53	2.7294	0.0046	3.264	0.0474	-0.0128	-0.0027	0.0319
1609	10.3	10.4	0.53	2.7291	0.0048	3.2639	0.0491	-0.0136	-0.0058	0.0297
1610	10.8	10.4	0.5291	2.7309	0.0047	3.2647	0.0638	-0.0149	-0.0143	0.0346
1611	10.7	10.5	0.5288	2.7313	0.0043	3.2644	0.092	-0.0137	-0.042	0.0362
1612	11.2	10.5	0.5288	2.7311	0.0041	3.264	0.0939	-0.0077	-0.044	0.0422
1613	10.8	10.6	0.5291	2.7305	0.0042	3.2638	0.0925	-0.0141	-0.044	0.0344
1614	10.5	10.6	0.5297	2.7293	0.0043	3.2633	0.086	-0.0183	-0.0432	0.0245
1615	9.97	10.7	0.5299	2.7285	0.0046	3.2631	0.0809	-0.0226	-0.0436	0.0147
1616	9.96	10.7	0.5302	2.7277	0.005	3.2629	0.0784	-0.0242	-0.0427	0.0116
1617	10.5	10.7	0.5308	2.7276	0.0048	3.2632	0.0758	-0.0252	-0.0433	0.0073
1618	10.8	10.7	0.5311	2.7278	0.0046	3.2634	0.0693	-0.0182	-0.0455	0.0057
1619	10.8	10.8	0.5312	2.728	0.0047	3.2639	0.0671	-0.0032	-0.0459	0.018

1620	10.1	10.7	0.5312	2.7283	0.0045	3.2641	0.0598	0.0076	-0.0417	0.0257
1621	10.7	10.7	0.5316	2.7288	0.0045	3.2649	0.0539	0.0155	-0.0431	0.0263
1622	11.6	10.7	0.5318	2.7286	0.0042	3.2646	0.0505	0.0126	-0.045	0.018
1623	11.2	10.7	0.5315	2.7287	0.0043	3.2645	0.0578	0.0024	-0.046	0.0142
1624	11.4	10.8	0.5317	2.7286	0.0042	3.2645	0.0618	-0.0036	-0.046	0.0123
1625	10.5	10.8	0.5314	2.7286	0.0044	3.2643	0.0561	-0.0215	-0.0456	-0.011
1626	11	10.8	0.5314	2.7281	0.0042	3.2636	0.058	-0.0312	-0.0411	-0.0144
1627	10.9	10.8	0.5313	2.7281	0.0041	3.2634	0.0625	-0.0295	-0.0416	-0.0086
1628	10.9	10.8	0.5307	2.7282	0.0041	3.263	0.0653	-0.0405	-0.044	-0.0192
1629	10.7	10.8	0.5306	2.7283	0.0043	3.2632	0.0618	-0.0462	-0.0463	-0.0307
1630	10.4	10.9	0.5304	2.7282	0.0043	3.2629	0.0615	-0.0524	-0.0445	-0.0355
1631	10.7	10.9	0.5295	2.7278	0.0042	3.2615	0.0648	-0.0616	-0.0425	-0.0393
1632	11	10.8	0.5288	2.7278	0.004	3.2606	0.0629	-0.0631	-0.0417	-0.0419
1633	11.1	10.8	0.5264	2.7283	0.0037	3.2584	0.0668	-0.0561	-0.0389	-0.0281
1634	10.4	10.8	0.5245	2.7299	0.0037	3.2581	0.0721	-0.0523	-0.0389	-0.0191
1635	10.6	10.8	0.5248	2.7294	0.0038	3.258	0.082	-0.0574	-0.0354	-0.0108
1636	11	10.8	0.5256	2.7288	0.0033	3.2576	0.0931	-0.0523	-0.034	0.0068
1637	10.5	10.7	0.5261	2.7287	0.0032	3.258	0.0955	-0.0514	-0.034	0.0101
1638	10.8	10.7	0.5257	2.7288	0.0033	3.2578	0.1034	-0.0612	-0.035	0.0072
1639	11.1	10.6	0.5243	2.7289	0.0033	3.2565	0.1064	-0.0631	-0.0355	0.0079
1640	10.8	10.6	0.5231	2.7295	0.0032	3.2558	0.1093	-0.0667	-0.0373	0.0053
1641	11	10.6	0.523	2.7301	0.003	3.2561	0.1137	-0.071	-0.0373	0.0054
1642	10.3	10.6	0.5232	2.7301	0.0029	3.2563	0.1177	-0.0761	-0.035	0.0067
1643	10.6	10.6	0.5233	2.7299	0.0028	3.2561	0.1206	-0.067	-0.0334	0.0201
1644	10.8	10.5	0.5238	2.7292	0.0028	3.2558	0.1236	-0.0575	-0.0324	0.0337
1645	10.7	10.5	0.5242	2.7288	0.0031	3.2561	0.123	-0.0513	-0.0285	0.0431
1646	10.2	10.4	0.5248	2.7287	0.0035	3.257	0.1187	-0.0405	-0.0239	0.0543
1647	10.2	10.3	0.5248	2.7283	0.0035	3.2566	0.1156	-0.0242	-0.023	0.0684
1648	10.1	10.3	0.5252	2.7289	0.0034	3.2575	0.1195	-0.0219	-0.0268	0.0708
1649	10.3	10.2	0.5251	2.7295	0.0035	3.2581	0.119	-0.0175	-0.0239	0.0775
1650	10.5	10.2	0.5253	2.729	0.0036	3.2579	0.1201	-0.0066	-0.024	0.0895
1651	10.6	10.2	0.5256	2.7289	0.0037	3.2582	0.1233	-0.0144	-0.0254	0.0835
1652	10	10.2	0.5253	2.7297	0.0038	3.2588	0.1294	-0.0261	-0.027	0.0763
1653	9.77	10.1	0.526	2.7297	0.0039	3.2596	0.1365	-0.0374	-0.0274	0.0716
1654	9.31	10.1	0.527	2.7295	0.0038	3.2604	0.1482	-0.0495	-0.029	0.0697
1655	9.37	10	0.5275	2.7294	0.0037	3.2606	0.1555	-0.0613	-0.0289	0.0653
1656	9.81	10	0.5277	2.7294	0.0036	3.2606	0.1531	-0.0651	-0.0261	0.062

1657	9.85	9.97	0.5281	2.7292	0.0038	3.2611	0.1527	-0.0644	-0.0236	0.0647
1658	10.2	9.97	0.5282	2.7293	0.0043	3.2618	0.1569	-0.0679	-0.023	0.066
1659	9.97	9.95	0.5272	2.7294	0.0051	3.2616	0.1571	-0.069	-0.0221	0.066
1660	10.4	9.91	0.5245	2.729	0.0077	3.2612	0.1597	-0.0691	-0.021	0.0696
1661	10.3	9.88	0.5244	2.7289	0.0079	3.2612	0.15	-0.0451	-0.0211	0.0838
1662	10.1	9.86	0.5245	2.7296	0.0079	3.262	0.151	-0.0361	-0.0242	0.0908
1663	9.73	9.89	0.5244	2.7303	0.008	3.2627	0.1524	-0.0325	-0.0244	0.0956
1664	9.72	9.99	0.5245	2.7305	0.008	3.2629	0.1569	-0.038	-0.0185	0.1004
1665	9.79	10.1	0.5245	2.7304	0.0079	3.2628	0.1645	-0.0467	-0.0164	0.1014
1666	9.68	10.1	0.5245	2.7303	0.0079	3.2627	0.168	-0.0518	-0.016	0.1002
1667	9.9	10.2	0.5247	2.7301	0.0078	3.2626	0.1714	-0.0518	-0.0143	0.1053
1668	10	10.3	0.5246	2.7297	0.0077	3.262	0.1777	-0.0456	-0.0182	0.1139
1669	9.67	10.4	0.5248	2.7295	0.0075	3.2617	0.1795	-0.044	-0.0189	0.1166
1670	10.1	10.4	0.525	2.729	0.0074	3.2614	0.1803	-0.0441	-0.0185	0.1177
1671	9.64	10.4	0.525	2.7292	0.0076	3.2618	0.1824	-0.0441	-0.0192	0.1192
1672	10.4	10.4	0.5244	2.7297	0.0077	3.2618	0.1866	-0.046	-0.019	0.1216
1673	11.1	10.4	0.5244	2.7304	0.0078	3.2626	0.188	-0.0523	-0.0219	0.1137
1674	11.4	10.5	0.5246	2.731	0.0078	3.2634	0.1851	-0.0502	-0.022	0.1129
1675	10.8	10.5	0.5245	2.7316	0.0077	3.2639	0.1847	-0.0538	-0.0208	0.11
1676	11.2	10.5	0.524	2.732	0.0079	3.2639	0.1778	-0.0512	-0.0205	0.1061
1677	11.5	10.6	0.5235	2.7329	0.0081	3.2645	0.1774	-0.0555	-0.0234	0.0985
1678	11.5	10.7	0.5232	2.7334	0.0081	3.2646	0.1764	-0.0521	-0.0254	0.0989
1679	10.7	10.8	0.5231	2.7336	0.0078	3.2645	0.1744	-0.0505	-0.0245	0.0993
1680	10.1	10.8	0.5228	2.7338	0.0076	3.2641	0.1737	-0.0513	-0.0203	0.1021
1681	10.4	10.9	0.5224	2.7338	0.0074	3.2636	0.1719	-0.0564	-0.0188	0.0966
1682	10.4	10.9	0.5223	2.7336	0.0074	3.2632	0.1646	-0.0627	-0.0206	0.0813
1683	10.4	10.9	0.5226	2.7332	0.0076	3.2634	0.158	-0.0646	-0.025	0.0684
1684	10.1	10.9	0.5223	2.7334	0.0075	3.2632	0.1321	-0.065	-0.0281	0.039
1685	10.9	10.9	0.521	2.7334	0.0075	3.2619	0.1114	-0.0581	-0.0255	0.0278
1686	11.4	10.9	0.521	2.7336	0.0074	3.262	0.1111	-0.0635	-0.0248	0.0228
1687	11.4	10.9	0.5206	2.7337	0.0073	3.2615	0.1183	-0.0668	-0.0314	0.0201
1688	11.7	10.9	0.5203	2.7341	0.0072	3.2616	0.125	-0.0722	-0.0335	0.0193
1689	11.1	10.9	0.52	2.7344	0.0075	3.2618	0.1279	-0.0773	-0.0327	0.0179
1690	10.9	11	0.5194	2.7346	0.0076	3.2616	0.1181	-0.0816	-0.0292	0.0073
1691	11.1	11	0.5188	2.7351	0.0075	3.2614	0.1139	-0.0844	-0.0276	0.0018
1692	11	11	0.5179	2.7354	0.0073	3.2606	0.1172	-0.0757	-0.0267	0.0148
1693	10.6	11.1	0.5172	2.7351	0.0072	3.2596	0.1185	-0.0723	-0.0315	0.0147

1694	11.1	11.1	0.517	2.7345	0.0071	3.2587	0.1184	-0.0823	-0.0358	0.0004
1695	11.4	11.1	0.5174	2.7338	0.007	3.2583	0.126	-0.1018	-0.0382	-0.014
1696	11.2	11.1	0.5173	2.7332	0.007	3.2576	0.1363	-0.1058	-0.0389	-0.0083
1697	11.1	11	0.5162	2.7331	0.0072	3.2565	0.1436	-0.1164	-0.0366	-0.0094
1698	11.4	10.9	0.5159	2.7329	0.007	3.2558	0.1501	-0.1304	-0.0327	-0.0131
1699	11.2	10.9	0.516	2.7322	0.0069	3.2551	0.1609	-0.1345	-0.0322	-0.0059
1700	11.1	10.9	0.516	2.7325	0.0068	3.2553	0.1661	-0.1293	-0.0284	0.0084
1701	11	10.8	0.5156	2.7331	0.0068	3.2555	0.1785	-0.1353	-0.0255	0.0178
1702	10.7	10.8	0.5153	2.7335	0.0069	3.2556	0.1685	-0.1179	-0.0234	0.0272
1703	11	10.9	0.5148	2.7343	0.0071	3.2561	0.1544	-0.0968	-0.0216	0.0361
1704	10.8	10.8	0.5146	2.735	0.0071	3.2567	0.1643	-0.0909	-0.0207	0.0527
1705	10.6	10.8	0.5147	2.7354	0.0068	3.2569	0.1768	-0.0901	-0.0223	0.0644
1706	10.5	10.8	0.5147	2.7357	0.0066	3.257	0.1835	-0.0879	-0.0252	0.0704
1707	10.3	10.8	0.5145	2.7361	0.0067	3.2573	0.184	-0.0879	-0.0309	0.0653
1708	10.8	10.8	0.5143	2.7363	0.0068	3.2574	0.1832	-0.0886	-0.0317	0.0629
1709	10.2	10.7	0.514	2.736	0.0069	3.2569	0.178	-0.0891	-0.0297	0.0592
1710	10.2	10.7	0.5141	2.7354	0.0068	3.2563	0.1641	-0.0927	-0.0192	0.0522
1711	11	10.7	0.5137	2.7349	0.0067	3.2553	0.1434	-0.1138	0.0092	0.0388
1712	10.8	10.7	0.5136	2.7343	0.0066	3.2544	0.1501	-0.1246	0.0125	0.0381
1713	11	10.6	0.5135	2.7342	0.006	3.2538	0.1548	-0.1231	0.0145	0.0462
1714	10.9	10.6	0.5132	2.734	0.0059	3.2531	0.1579	-0.1224	0.0148	0.0503
1715	10.9	10.6	0.5131	2.7337	0.0062	3.2531	0.1639	-0.1249	0.0126	0.0516
1716	10.9	10.5	0.5131	2.7329	0.0064	3.2524	0.1671	-0.1289	0.0125	0.0507
1717	10.6	10.6	0.513	2.7321	0.0066	3.2518	0.1717	-0.1372	0.0142	0.0487
1718	11	10.5	0.5131	2.7322	0.0065	3.2518	0.1784	-0.1408	0.0137	0.0513
1719	10.4	10.5	0.5131	2.7325	0.0065	3.2521	0.1817	-0.1399	0.0116	0.0534
1720	10.8	10.5	0.513	2.7327	0.0065	3.2522	0.1858	-0.1507	0.0088	0.0439
1721	10.2	10.5	0.513	2.7334	0.0064	3.2527	0.1915	-0.1663	0.0089	0.0341
1722	9.92	10.5	0.513	2.7338	0.0064	3.2532	0.196	-0.1682	0.0108	0.0386
1723	9.91	10.4	0.513	2.7337	0.0065	3.2532	0.1961	-0.1717	0.0151	0.0395
1724	10.1	10.4	0.5132	2.734	0.0063	3.2535	0.1985	-0.1599	0.0179	0.0564
1725	10.3	10.4	0.5136	2.7337	0.0064	3.2537	0.2031	-0.1556	0.0166	0.0641
1726	10.5	10.3	0.5136	2.7336	0.0065	3.2538	0.206	-0.1465	0.0147	0.0742
1727	10.3	10.3	0.5136	2.7333	0.0066	3.2535	0.2022	-0.134	0.0142	0.0825
1728	10.1	10.3	0.5133	2.7332	0.0065	3.253	0.2005	-0.1213	0.0171	0.0962
1729	10.6	10.3	0.5132	2.7334	0.0063	3.253	0.2043	-0.12	0.0193	0.1035
1730	10	10.3	0.5132	2.7338	0.0062	3.2532	0.2102	-0.1227	0.0159	0.1033

1731	10.3	10.3	0.513	2.7341	0.0063	3.2533	0.2023	-0.1156	0.0151	0.1018
1732	10.6	10.3	0.513	2.7342	0.0065	3.2537	0.1905	-0.1084	0.0153	0.0974
1733	10.3	10.3	0.5132	2.7348	0.0065	3.2545	0.1929	-0.1124	0.0144	0.0949
1734	10.4	10.3	0.5133	2.7357	0.0062	3.2553	0.1998	-0.1204	0.0165	0.0959
1735	9.95	10.3	0.5137	2.7357	0.0063	3.2557	0.2024	-0.1227	0.0144	0.0942
1736	10.5	10.3	0.5137	2.7355	0.0064	3.2556	0.1909	-0.1193	0.0149	0.0866
1737	10.6	10.4	0.5136	2.7359	0.0066	3.2561	0.1906	-0.112	0.0139	0.0925
1738	10.1	10.4	0.513	2.7365	0.0066	3.2561	0.1853	-0.1078	0.014	0.0914
1739	10.6	10.4	0.5125	2.737	0.0063	3.2557	0.1788	-0.0962	0.0156	0.0981
1740	9.95	10.5	0.5117	2.738	0.0059	3.2556	0.177	-0.0923	0.0178	0.1024
1741	10.3	10.6	0.5112	2.7376	0.0057	3.2546	0.1728	-0.0823	0.0146	0.1051
1742	10.7	10.6	0.5114	2.7373	0.0061	3.2548	0.1642	-0.0757	0.0097	0.0982
1743	10.4	10.7	0.5115	2.7382	0.0064	3.2561	0.1568	-0.0754	0.0082	0.0896
1744	9.76	10.7	0.5112	2.7394	0.0066	3.2572	0.1522	-0.0834	0.0092	0.078
1745	10.8	10.8	0.5106	2.7394	0.0069	3.2569	0.1533	-0.0983	0.0103	0.0653
1746	11.1	10.8	0.5105	2.7404	0.0071	3.258	0.1557	-0.1121	0.0114	0.0549
1747	11	10.9	0.5098	2.7413	0.0068	3.2579	0.1532	-0.1236	0.0127	0.0423
1748	10.7	10.9	0.5091	2.7423	0.0066	3.2581	0.1428	-0.1285	0.018	0.0323
1749	11	11	0.5085	2.7424	0.0063	3.2573	0.1401	-0.1256	0.0161	0.0306
1750	11.8	11	0.5075	2.7425	0.0061	3.2561	0.1384	-0.1281	0.0149	0.0251
1751	11.7	11	0.5087	2.7407	0.006	3.2555	0.1351	-0.1223	0.015	0.0277
1752	11.7	11.1	0.5099	2.7394	0.0059	3.2552	0.1327	-0.1173	0.0151	0.0306
1753	11.4	11.1	0.5096	2.7388	0.006	3.2543	0.1303	-0.1143	0.0161	0.032
1754	11.2	11.1	0.5094	2.7385	0.0061	3.2539	0.1264	-0.1075	0.0185	0.0374
1755	10.9	11.1	0.5091	2.7382	0.0063	3.2536	0.1261	-0.1008	0.0186	0.0439
1756	11.1	11.1	0.5093	2.7382	0.0066	3.2541	0.1281	-0.098	0.0158	0.0459
1757	11	11.1	0.5098	2.7381	0.007	3.2549	0.1298	-0.0956	0.0141	0.0483
1758	11.7	11.1	0.5104	2.7382	0.0073	3.2559	0.1287	-0.0924	0.0148	0.0511
1759	10.7	11.1	0.5108	2.7387	0.007	3.2564	0.1285	-0.0915	0.0161	0.0531
1760	11	11	0.5102	2.7404	0.0068	3.2573	0.1267	-0.0953	0.0175	0.0489
1761	11.3	11	0.5094	2.7413	0.0066	3.2574	0.1289	-0.1032	0.0167	0.0424
1762	10.6	10.9	0.509	2.7419	0.0065	3.2573	0.1258	-0.1103	0.0157	0.0313
1763	10.3	10.9	0.5086	2.7425	0.0065	3.2577	0.1261	-0.1182	0.0142	0.0221
1764	10.6	10.9	0.5081	2.743	0.0067	3.2578	0.1261	-0.1202	0.0086	0.0145
1765	10.7	10.9	0.5077	2.7433	0.0066	3.2577	0.125	-0.1248	0.0071	0.0073
1766	10.9	10.9	0.5073	2.7441	0.0065	3.2579	0.1247	-0.1292	0.011	0.0066
1767	11.2	10.9	0.5068	2.7442	0.0065	3.2575	0.1262	-0.1408	0.0135	-0.0011

1768	10.8	10.8	0.5064	2.7437	0.0066	3.2567	0.1271	-0.1512	0.0157	-0.0085
1769	10.7	10.8	0.5062	2.7445	0.0066	3.2573	0.1295	-0.153	0.0145	-0.0091
1770	10.9	10.8	0.5058	2.7456	0.0065	3.258	0.1314	-0.1513	0.0151	-0.0048
1771	10.3	10.7	0.5054	2.746	0.0065	3.2579	0.1308	-0.1495	0.0145	-0.0043
1772	10.8	10.7	0.5048	2.7469	0.0062	3.2578	0.1327	-0.1437	0.0139	0.0029
1773	11.6	10.7	0.5046	2.7463	0.006	3.2569	0.1346	-0.1392	0.0141	0.0095
1774	10.6	10.7	0.5043	2.7466	0.0061	3.257	0.1364	-0.1427	0.0155	0.0092
1775	10.8	10.7	0.5039	2.7463	0.0063	3.2564	0.1408	-0.1409	0.0132	0.0131
1776	10.9	10.7	0.5038	2.7454	0.0064	3.2557	0.148	-0.1467	0.0147	0.0161
1777	10.9	10.6	0.5035	2.7451	0.0064	3.2549	0.1502	-0.1494	0.0164	0.0172
1778	10.6	10.5	0.5027	2.7454	0.0061	3.2543	0.1523	-0.1565	0.0178	0.0136
1779	10.6	10.5	0.5021	2.7458	0.0062	3.2541	0.1496	-0.1594	0.0173	0.0075
1780	10.3	10.4	0.5026	2.7453	0.0061	3.254	0.1512	-0.1588	0.0146	0.0069
1781	10.1	10.4	0.5034	2.7446	0.0058	3.2538	0.1533	-0.1551	0.0123	0.0105
1782	10.4	10.4	0.503	2.7448	0.0059	3.2538	0.1525	-0.1542	0.014	0.0122
1783	10	10.3	0.5026	2.7453	0.0059	3.2538	0.1543	-0.1542	0.0183	0.0184
1784	10.9	10.3	0.5021	2.7457	0.0061	3.2538	0.1603	-0.1475	0.0174	0.0301
1785	10.7	10.3	0.5019	2.7453	0.006	3.2532	0.1644	-0.136	0.0143	0.0427
1786	9.62	10.3	0.5019	2.7448	0.006	3.2527	0.1726	-0.1382	0.0148	0.0492
1787	9.57	10.2	0.502	2.7444	0.0059	3.2524	0.1756	-0.1443	0.0177	0.049
1788	9.52	10.2	0.5024	2.7437	0.0057	3.2518	0.1762	-0.1391	0.0202	0.0573
1789	9.74	10.2	0.5023	2.7436	0.0057	3.2516	0.1687	-0.1323	0.021	0.0574
1790	10.2	10.3	0.5021	2.7428	0.0061	3.2511	0.1632	-0.1257	0.0156	0.0531
1791	10	10.3	0.5023	2.7427	0.0065	3.2515	0.154	-0.1125	0.0103	0.0517
1792	10.2	10.3	0.5022	2.7429	0.0065	3.2516	0.1481	-0.1199	0.007	0.0352
1793	10.3	10.3	0.502	2.7435	0.0063	3.2518	0.1534	-0.1274	0.0135	0.0395
1794	10.8	10.4	0.5017	2.7444	0.0061	3.2522	0.1577	-0.1148	0.0194	0.0623
1795	10.6	10.5	0.5018	2.745	0.0059	3.2528	0.1547	-0.0948	0.0236	0.0834
1796	10.2	10.6	0.502	2.7456	0.0057	3.2533	0.1473	-0.0962	0.0297	0.0808
1797	10.7	10.7	0.5019	2.746	0.0054	3.2533	0.1479	-0.0806	0.0338	0.1011
1798	10.7	10.7	0.5019	2.7454	0.0054	3.2527	0.1376	-0.0634	0.0278	0.102
1799	10.9	10.8	0.5022	2.745	0.0054	3.2526	0.127	-0.0456	0.0257	0.1071
1800	10.8	10.8	0.5025	2.7447	0.0053	3.2525	0.1178	-0.0444	0.0204	0.0939