Test Name	**CDR, MW, rep 3**
Cladding	**Cedar Wood**
Cladding Thickness [mm]	**12**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**3**
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 third repetition of this system configuration.
Experiment Notes	There were no noticeable observations for this test.
Peak HRR [kW]	**100**
Time to Peak HRR [mins]	**4.52**
Residual HRR [kW]	**0.85**
Total HR [MJ]	**29.2**
Peak dQ/dt [kW/s]	**1.06**
Time to Peak dQ/dt [s]	**3.5**

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	0.285	0.285	2.9719	2.8028	-0.0008	5.7739	0.9199	0.3484	0.0012	1.2695
1	0.426	0.331	2.9712	2.8009	-0.0009	5.7712	0.947	0.3495	0.0032	1.2997
2	0.283	0.319	2.9712	2.8	-0.0009	5.7702	0.9772	0.344	0.0041	1.3252
3	0.315	0.419	2.9711	2.7982	-0.0011	5.7681	0.9766	0.3554	0.0002	1.3322
4	0.286	0.646	2.9709	2.7971	-0.0011	5.7668	0.9675	0.3605	0.0022	1.3302
5	0.497	1.09	2.9706	2.7964	-0.0012	5.7658	0.9653	0.3677	0.0019	1.335
6	0.844	1.71	2.9704	2.7958	-0.0011	5.7651	0.9718	0.368	0.0028	1.3426
7	1.09	2.39	2.9705	2.7954	-0.001	5.7648	0.9862	0.3674	0.0016	1.3551
8	1.79	3.09	2.9709	2.7951	-0.001	5.765	0.994	0.3542	0.0024	1.3506
9	2.44	3.76	2.9702	2.7944	-0.0008	5.7637	0.9944	0.3616	0.0012	1.3571
10	3.69	4.31	2.9695	2.7943	-0.0008	5.763	0.9843	0.3705	0.0026	1.3574
11	4.81	4.84	2.969	2.7941	-0.0008	5.7623	0.9702	0.3638	0.0026	1.3366
12	5.43	5.37	2.9685	2.7934	-0.0008	5.7611	0.9592	0.3526	0.0018	1.3136
13	6.29	5.92	2.9672	2.793	-0.0009	5.7593	0.949	0.3418	-0.0028	1.288
14	7.34	6.51	2.9654	2.7929	-0.001	5.7573	0.9356	0.327	-0.0076	1.255
15	7.9	7.06	2.963	2.7928	-0.0011	5.7548	0.9315	0.3117	-0.0083	1.2349
16	8.78	7.63	2.9607	2.7927	-0.0012	5.7521	0.933	0.2961	-0.0092	1.2199
17	9.44	8.25	2.959	2.7922	-0.0014	5.7499	0.9304	0.2893	-0.0096	1.2101
18	9.58	8.84	2.9579	2.7918	-0.0015	5.7483	0.94	0.2718	-0.0094	1.2024
19	10.6	9.42	2.9575	2.7914	-0.0014	5.7475	0.9649	0.2586	-0.0093	1.2143
20	10.6	9.89	2.957	2.7912	-0.0015	5.7468	0.9855	0.2628	-0.0079	1.2404
21	10.3	10.3	2.9553	2.7916	-0.0015	5.7454	1.0091	0.2525	-0.0087	1.2529
22	10.8	10.7	2.9526	2.7915	-0.0016	5.7425	1.0208	0.2443	-0.0071	1.258
23	11.5	11.1	2.9508	2.7914	-0.0015	5.7407	1.0279	0.2406	-0.0055	1.2631
24	11	11.4	2.9494	2.791	-0.0015	5.7389	1.0444	0.2384	-0.0046	1.2781
25	11.6	11.7	2.9483	2.7904	-0.0016	5.7372	1.0561	0.2318	-0.0029	1.285
26	12.8	12	2.9485	2.7894	-0.0016	5.7363	1.0662	0.2222	-0.0009	1.2875
27	13	12.3	2.9494	2.7882	-0.0016	5.736	1.0728	0.2207	-0.0005	1.293
28	13.4	12.5	2.95	2.787	-0.0014	5.7357	1.0682	0.2195	0.0006	1.2883

29	12.8	12.7	2.9506	2.7865	-0.0014	5.7357	1.068	0.2283	0.002	1.2984
30	13	12.9	2.951	2.7866	-0.0013	5.7362	1.0766	0.2342	0.0035	1.3144
31	13	13.1	2.9503	2.7876	-0.0014	5.7365	1.0935	0.2419	0.0054	1.3408
32	13.1	13.4	2.9493	2.7878	-0.0014	5.7358	1.1074	0.2441	0.004	1.3555
33	13.3	13.5	2.9486	2.7882	-0.0013	5.7355	1.1215	0.2491	0.0036	1.3743
34	13.7	13.8	2.9478	2.7884	-0.0012	5.7351	1.1293	0.2528	0.0049	1.387
35	14.5	14	2.947	2.7887	-0.001	5.7347	1.1331	0.2529	0.0061	1.3921
36	14.6	14.2	2.9466	2.789	-0.001	5.7347	1.1387	0.2512	0.0082	1.398
37	14.4	14.4	2.9462	2.7887	-0.0011	5.7338	1.1436	0.2514	0.0087	1.4038
38	14.5	14.6	2.9459	2.7886	-0.0012	5.7333	1.1516	0.2587	0.0097	1.42
39	14.4	14.9	2.9453	2.7884	-0.0013	5.7324	1.1666	0.2577	0.0063	1.4306
40	14.1	15.2	2.9445	2.788	-0.0014	5.731	1.1864	0.2577	0.0058	1.4499
41	15.4	15.5	2.9422	2.7875	-0.0016	5.7281	1.1935	0.2607	0.0028	1.457
42	14.8	15.7	2.9396	2.7878	-0.0014	5.7259	1.2	0.2637	0.0028	1.4665
43	14.9	15.9	2.9367	2.7877	-0.0013	5.7231	1.2099	0.2673	0.0019	1.4791
44	15.5	16.2	2.9363	2.7874	-0.0015	5.7222	1.2205	0.2629	0.0001	1.4834
45	16.7	16.3	2.9349	2.787	-0.0013	5.7206	1.2329	0.2578	-0.0004	1.4903
46	17.3	16.6	2.9322	2.7874	-0.0017	5.718	1.234	0.2563	-0.0004	1.4898
47	17.8	16.8	2.9292	2.7877	-0.002	5.7149	1.2343	0.2565	-0.0004	1.4904
48	17.6	17	2.9265	2.7876	-0.0021	5.712	1.2345	0.2506	0.0015	1.4866
49	18.6	17.3	2.9243	2.7873	-0.0021	5.7095	1.243	0.2531	0.0046	1.5006
50	18.4	17.6	2.922	2.7869	-0.0022	5.7067	1.2524	0.2563	0.0033	1.5119
51	17.9	17.8	2.9194	2.7868	-0.0023	5.704	1.2954	0.2427	0.0132	1.5513
52	17.7	18	2.9185	2.7859	-0.0021	5.7023	1.307	0.2245	0.0093	1.5407
53	17.9	18.2	2.918	2.7853	-0.0022	5.7011	1.3269	0.2183	0.0071	1.5523
54	18.1	18.4	2.9172	2.7845	-0.0021	5.6995	1.3425	0.2045	0.0061	1.5532
55	18.7	18.6	2.9158	2.7841	-0.0022	5.6978	1.3645	0.1918	0.0093	1.5657
56	19	18.7	2.914	2.7838	-0.0021	5.6957	1.3883	0.1871	0.0113	1.5867
57	18.9	18.9	2.9126	2.7842	-0.0022	5.6946	1.4109	0.1716	0.0102	1.5927
58	19.1	18.9	2.9116	2.7834	-0.0021	5.6929	1.4398	0.1717	0.0097	1.6212
59	19.3	18.9	2.9112	2.7825	-0.0022	5.6915	1.4666	0.166	0.013	1.6456
60	19.5	18.9	2.9111	2.7825	-0.0022	5.6914	1.4807	0.1528	0.0146	1.6481
61	19	18.9	2.9108	2.7829	-0.0022	5.6915	1.4886	0.1562	0.0134	1.6582
62	18.9	19	2.9105	2.7832	-0.0019	5.6918	1.509	0.1522	0.012	1.6732
63	19.9	19.1	2.9104	2.7838	-0.0016	5.6926	1.5276	0.1481	0.0147	1.6904
64	20.2	19.1	2.9097	2.7845	-0.0015	5.6927	1.541	0.147	0.0161	1.7041
65	19.6	19.1	2.9087	2.7852	-0.0014	5.6924	1.5511	0.1491	0.0143	1.7146

66	19.9	19.2	2.9079	2.7853	-0.0014	5.6919	1.5589	0.146	0.0135	1.7184
67	18.2	19.2	2.9063	2.7862	-0.0014	5.6912	1.5574	0.1372	0.0126	1.7072
68	18.2	19.3	2.9037	2.7869	-0.0014	5.6892	1.5675	0.1354	0.0143	1.7172
69	18.8	19.3	2.9013	2.7863	-0.0015	5.6861	1.596	0.1262	0.014	1.7362
70	18.7	19.4	2.8986	2.7868	-0.0014	5.684	1.6314	0.1189	0.0144	1.7647
71	19.3	19.4	2.8968	2.7871	-0.0015	5.6824	1.6604	0.1132	0.015	1.7885
72	18.8	19.5	2.8952	2.7872	-0.0016	5.6807	1.6789	0.118	0.0148	1.8117
73	18.7	19.6	2.893	2.7871	-0.0017	5.6784	1.6909	0.1133	0.0148	1.819
74	18.7	19.6	2.891	2.7873	-0.0018	5.6766	1.6978	0.1086	0.016	1.8224
75	20.1	19.6	2.8892	2.7878	-0.002	5.6751	1.7021	0.1074	0.0153	1.8248
76	20.3	19.7	2.8876	2.7877	-0.002	5.6734	1.7175	0.1065	0.0153	1.8393
77	19.6	19.8	2.8869	2.7876	-0.0021	5.6725	1.7481	0.1064	0.0122	1.8666
78	20.2	20	2.8859	2.7867	-0.0022	5.6704	1.7965	0.1043	0.008	1.9087
79	20.5	20.2	2.8841	2.786	-0.0023	5.6678	1.8309	0.0907	0.0085	1.9302
80	20.3	20.4	2.8817	2.7851	-0.0025	5.6643	1.8901	0.0883	0.0076	1.9859
81	20.7	20.5	2.8794	2.7847	-0.0024	5.6618	1.9269	0.0903	0.0112	2.0283
82	20.6	20.8	2.8772	2.7841	-0.0023	5.6589	1.9574	0.1032	0.0114	2.072
83	20.5	21.1	2.8754	2.7835	-0.0025	5.6564	1.9788	0.112	0.0128	2.1035
84	21.1	21.4	2.8739	2.7832	-0.0026	5.6546	2.016	0.1198	0.0132	2.149
85	21.5	21.6	2.8723	2.7831	-0.0027	5.6527	2.0486	0.1305	0.0128	2.1919
86	20.4	21.9	2.8708	2.7829	-0.0028	5.6508	2.0863	0.1386	0.015	2.2398
87	22.1	22.2	2.8689	2.782	-0.0029	5.648	2.1235	0.1344	0.0162	2.2741
88	21.4	22.5	2.8664	2.7818	-0.0026	5.6456	2.1747	0.1285	0.0152	2.3185
89	22.2	22.8	2.8635	2.7815	-0.0026	5.6425	2.2252	0.1309	0.015	2.3711
90	22.7	23	2.8617	2.781	-0.0023	5.6404	2.2731	0.1287	0.0132	2.415
91	23.4	23.3	2.8599	2.7805	-0.0023	5.638	2.3136	0.1238	0.0126	2.45
92	24	23.6	2.8577	2.7799	-0.0022	5.6354	2.3454	0.1189	0.0104	2.4746
93	24.6	24	2.8555	2.78	-0.002	5.6335	2.3837	0.118	0.0116	2.5133
94	25	24.3	2.8531	2.7802	-0.002	5.6314	2.4208	0.1214	0.0106	2.5529
95	25.2	24.5	2.8518	2.7801	-0.002	5.6299	2.4741	0.1254	0.0066	2.6061
96	25.3	24.8	2.8505	2.7799	-0.002	5.6284	2.5416	0.1145	0.0087	2.6648
97	25.7	25.1	2.8493	2.7802	-0.0022	5.6273	2.562	0.1146	0.0071	2.6837
98	25.6	25.5	2.8472	2.7797	-0.0025	5.6244	2.5992	0.1111	0.0064	2.7167
99	25.3	25.8	2.845	2.7791	-0.0024	5.6218	2.6418	0.1084	0.0086	2.7589
100	26.4	26.1	2.8424	2.7785	-0.0021	5.6188	2.6753	0.1014	0.013	2.7896
101	26.7	26.4	2.8405	2.7785	-0.0018	5.6172	2.7242	0.1059	0.0122	2.8424
102	26.9	26.6	2.8385	2.7782	-0.0017	5.615	2.7686	0.1024	0.0132	2.8843

103	26.9	26.8	2.8368	2.7777	-0.0017	5.6128	2.8254	0.0944	0.0179	2.9377
104	25.5	27	2.8344	2.7779	-0.0021	5.6103	2.875	0.0891	0.0195	2.9836
105	26.5	27.3	2.8318	2.7776	-0.0023	5.6071	2.9231	0.0873	0.0198	3.0302
106	27.8	27.5	2.8294	2.7786	-0.0021	5.6059	2.9641	0.0925	0.0174	3.0741
107	27.9	27.8	2.8265	2.7782	-0.002	5.6027	3.0163	0.1024	0.0159	3.1346
108	29.3	28.3	2.8242	2.7785	-0.0023	5.6004	3.0573	0.1118	0.0142	3.1833
109	27.5	28.7	2.8221	2.7791	-0.0023	5.5989	3.1138	0.1099	0.0115	3.2352
110	28.9	29.1	2.8206	2.7787	-0.0021	5.5972	3.1898	0.0988	0.006	3.2946
111	27.9	29.5	2.8181	2.7789	-0.002	5.595	3.264	0.0922	0.0063	3.3625
112	28.5	29.8	2.8157	2.7786	-0.0023	5.592	3.3254	0.0919	0.0085	3.4258
113	29.5	30.3	2.8131	2.7783	-0.0025	5.5889	3.3907	0.1004	0.0147	3.5058
114	29.8	30.8	2.8103	2.778	-0.0024	5.5858	3.4636	0.1097	0.02	3.5933
115	29.9	31.3	2.8071	2.7782	-0.0024	5.583	3.5274	0.1243	0.0197	3.6713
116	31.8	31.7	2.8049	2.7789	-0.0025	5.5814	3.589	0.1364	0.0204	3.7458
117	34	32	2.8023	2.7787	-0.0028	5.5782	3.6372	0.1427	0.0185	3.7984
118	34.1	32.4	2.7983	2.7792	-0.0029	5.5747	3.66	0.1592	0.0123	3.8314
119	33.5	32.8	2.7944	2.7795	-0.0028	5.5711	3.6947	0.1671	0.009	3.8708
120	33.7	33.2	2.791	2.7799	-0.003	5.5679	3.7477	0.1677	0.0084	3.9239
121	33.9	33.7	2.7874	2.7798	-0.003	5.5642	3.7961	0.178	0.0119	3.9859
122	35.8	34.4	2.7835	2.7802	-0.0031	5.5606	3.8447	0.1769	0.0144	4.0361
123	35.1	35	2.781	2.7805	-0.0031	5.5584	3.896	0.1751	0.0155	4.0867
124	35.6	35.6	2.7792	2.7802	-0.003	5.5564	3.9368	0.1766	0.016	4.1294
125	35.3	36.2	2.7765	2.7798	-0.0031	5.5532	3.9737	0.1831	0.0141	4.1709
126	33.8	36.7	2.7737	2.7788	-0.0028	5.5496	4.0208	0.1902	0.0115	4.2225
127	36.9	37.2	2.7698	2.7778	-0.0024	5.5452	4.0693	0.192	0.0119	4.2732
128	35.7	37.8	2.7669	2.778	-0.0023	5.5426	4.1457	0.1969	0.0101	4.3527
129	36.2	38.3	2.7616	2.7777	-0.0022	5.5371	4.2126	0.1782	0.0091	4.4
130	37.5	38.8	2.7583	2.7776	-0.0024	5.5334	4.2921	0.1602	0.0103	4.4626
131	41.2	39.4	2.7546	2.7773	-0.0025	5.5293	4.3345	0.1464	0.0123	4.4932
132	42	39.9	2.7514	2.7766	-0.0027	5.5254	4.4146	0.1336	0.0171	4.5653
133	41.1	40.6	2.747	2.7762	-0.0026	5.5206	4.4728	0.1215	0.0211	4.6154
134	40.3	41.5	2.7429	2.7753	-0.0024	5.5159	4.5327	0.116	0.0237	4.6724
135	42.2	42.5	2.7384	2.7748	-0.0025	5.5107	4.5813	0.1203	0.022	4.7236
136	43.1	43.4	2.7343	2.7756	-0.0026	5.5073	4.6405	0.1279	0.0196	4.788
137	44.4	44.3	2.7287	2.7758	-0.0026	5.5019	4.6955	0.1302	0.0172	4.8429
138	44.4	45.4	2.7234	2.7755	-0.0027	5.4962	4.7573	0.1275	0.0131	4.8979
139	43.3	46.4	2.718	2.7755	-0.0026	5.4909	4.8082	0.1465	0.0108	4.9655

140	45.1	47.3	2.7131	2.7756	-0.0027	5.486	4.8704	0.152	0.0084	5.0308
141	45.9	48.2	2.7077	2.7756	-0.0026	5.4806	4.9026	0.1432	0.0107	5.0565
142	48.4	49.1	2.7012	2.776	-0.0026	5.4746	4.9548	0.1342	0.01	5.099
143	52.7	50.1	2.6946	2.7756	-0.0023	5.4679	5.0043	0.1298	0.0104	5.1444
144	53	51.1	2.6888	2.7749	-0.0021	5.4616	5.0497	0.1269	0.0115	5.1881
145	51.6	52.3	2.6807	2.7756	-0.0022	5.4541	5.0912	0.1264	0.012	5.2296
146	54.4	53.6	2.676	2.776	-0.0024	5.4496	5.1494	0.1275	0.0112	5.2882
147	55.2	54.8	2.6693	2.7766	-0.0026	5.4433	5.1975	0.1315	0.011	5.34
148	55.5	55.9	2.6623	2.7768	-0.0029	5.4361	5.2477	0.1415	0.0082	5.3974
149	54	57.5	2.6567	2.7772	-0.0034	5.4305	5.3034	0.137	0.0059	5.4463
150	59.1	59	2.6495	2.7763	-0.0034	5.4224	5.3547	0.1345	0.0041	5.4933
151	60	60.5	2.6426	2.7766	-0.0036	5.4156	5.402	0.1249	0.0063	5.5332
152	60	62	2.636	2.7765	-0.0038	5.4086	5.4458	0.118	0.0111	5.5749
153	58.4	63.1	2.6305	2.7764	-0.0041	5.4028	5.4889	0.1124	0.0144	5.6157
154	64.9	64.2	2.6249	2.7758	-0.0041	5.3965	5.5333	0.1106	0.0154	5.6594
155	67.9	65.6	2.6194	2.7749	-0.0039	5.3904	5.5664	0.1127	0.0143	5.6934
156	68.1	66.9	2.6124	2.7736	-0.0037	5.3822	5.6053	0.1073	0.0155	5.7281
157	65.4	68.3	2.6069	2.773	-0.0036	5.3763	5.6471	0.1164	0.0186	5.7822
158	72.3	69.7	2.6002	2.7724	-0.0033	5.3694	5.6832	0.1141	0.0209	5.8182
159	75.1	71.3	2.5922	2.7726	-0.0028	5.362	5.7242	0.1166	0.0159	5.8567
160	74	72.5	2.5847	2.7733	-0.0028	5.3552	5.78	0.1209	0.0152	5.9161
161	75.7	73.7	2.5782	2.7737	-0.003	5.3489	5.8185	0.1116	0.0166	5.9466
162	73.4	74.9	2.5714	2.7732	-0.0033	5.3412	5.8606	0.118	0.0185	5.9971
163	75.2	76.4	2.564	2.7728	-0.0036	5.3333	5.9114	0.1153	0.0183	6.0451
164	77.9	77.6	2.557	2.772	-0.0035	5.3255	5.953	0.1149	0.0158	6.0838
165	78.8	78.7	2.5498	2.7716	-0.0035	5.3179	5.997	0.1137	0.0152	6.1259
166	82.3	79.9	2.5442	2.7711	-0.0032	5.312	6.0363	0.1197	0.015	6.171
167	82.6	81.4	2.5403	2.7703	-0.0026	5.308	6.0882	0.1268	0.0134	6.2284
168	83.3	82.5	2.5342	2.7702	-0.0023	5.3021	6.1324	0.1222	0.0092	6.2638
169	81.3	83.7	2.5265	2.7696	-0.0023	5.2937	6.1698	0.1281	0.009	6.307
170	82.8	84.7	2.519	2.769	-0.0026	5.2854	6.1917	0.1275	0.0165	6.3357
171	84.5	85.7	2.5123	2.7694	-0.003	5.2788	6.2279	0.1381	0.0134	6.3794
172	86.2	86.9	2.5056	2.7697	-0.0032	5.2721	6.2531	0.1448	0.0153	6.4132
173	88.3	88.1	2.4993	2.7694	-0.0033	5.2654	6.2754	0.1585	0.0121	6.446
174	88.1	88.9	2.4937	2.769	-0.0032	5.2595	6.3223	0.1801	0.0106	6.513
175	91.6	89.5	2.4871	2.7688	-0.0031	5.2528	6.3622	0.1909	0.0102	6.5633
176	93.9	89.8	2.4807	2.7685	-0.0032	5.2461	6.3961	0.1978	0.0079	6.6018

177	92.5	90.2	2.4724	2.7679	-0.0031	5.2372	6.4331	0.1892	0.009	6.6314
178	97.6	90.6	2.4646	2.7689	-0.0031	5.2304	6.4589	0.1875	0.0113	6.6577
179	93.6	91	2.4549	2.77	-0.0034	5.2215	6.4924	0.1954	0.0141	6.7019
180	94.9	91.5	2.4482	2.7705	-0.0037	5.215	6.5022	0.1968	0.0133	6.7123
181	95.4	92	2.438	2.7714	-0.0041	5.2053	6.5311	0.1956	0.0076	6.7342
182	98.9	92.4	2.4299	2.7719	-0.0045	5.1973	6.5591	0.1987	0.0056	6.7634
183	92.6	92.7	2.4221	2.7719	-0.0048	5.1892	6.5922	0.1981	0.0032	6.7935
184	90.1	93.2	2.4158	2.7712	-0.0048	5.1823	6.5971	0.2	0.0008	6.7979
185	88.9	93.5	2.4083	2.7703	-0.0047	5.1739	6.6285	0.1934	0.0007	6.8226
186	89.9	93.5	2.4012	2.7698	-0.0045	5.1665	6.6439	0.185	-0.0008	6.8281
187	90.1	93.6	2.3932	2.7692	-0.0042	5.1582	6.6679	0.1819	-0.0026	6.8472
188	88.8	93.2	2.3856	2.7671	-0.0037	5.1491	6.6907	0.1731	-0.0038	6.86
189	92	93	2.3764	2.7663	-0.0034	5.1394	6.7169	0.1573	-0.0058	6.8685
190	94	92.8	2.3714	2.7667	-0.0034	5.1347	6.7468	0.1484	-0.0052	6.89
191	94.1	92.7	2.3644	2.7671	-0.0033	5.1281	6.8268	0.1364	-0.0035	6.9597
192	94.4	92.5	2.3573	2.7669	-0.0033	5.121	6.8272	0.125	-0.0008	6.9514
193	97.1	92.5	2.3506	2.7673	-0.0032	5.1147	6.8351	0.1281	0.002	6.9652
194	96.7	92.6	2.344	2.7676	-0.0032	5.1084	6.8485	0.1173	0.004	6.9698
195	94	92.8	2.3369	2.7674	-0.0031	5.1011	6.868	0.1073	0.0037	6.979
196	95.5	92.9	2.3308	2.7667	-0.0031	5.0944	6.8605	0.1121	0.0034	6.976
197	89.2	92.9	2.3245	2.766	-0.003	5.0875	6.8984	0.1121	0.0043	7.0147
198	90.6	92.9	2.3169	2.766	-0.0031	5.0798	6.9055	0.1169	0.007	7.0294
199	90.9	93.1	2.3096	2.7656	-0.0028	5.0724	6.9192	0.1196	0.0117	7.0505
200	93.1	92.8	2.3022	2.766	-0.0028	5.0654	6.9323	0.1277	0.008	7.0681
201	95.1	92.7	2.2959	2.7667	-0.0029	5.0597	6.921	0.1302	0.0046	7.0558
202	93.4	92.5	2.2896	2.7669	-0.0031	5.0534	6.9056	0.1414	0.0016	7.0487
203	90.7	92.3	2.2835	2.7667	-0.0033	5.0469	6.9123	0.1437	-0.0037	7.0523
204	93.2	92.2	2.2778	2.7666	-0.0035	5.0409	6.9484	0.15	-0.0076	7.0909
205	91.6	92	2.2712	2.7669	-0.0038	5.0343	6.9666	0.1509	-0.0093	7.1081
206	90.5	92	2.2646	2.767	-0.004	5.0277	6.9891	0.1465	-0.0084	7.1272
207	89.1	92.5	2.2582	2.7668	-0.0041	5.0209	6.9973	0.1281	-0.0077	7.1178
208	95	92.9	2.2518	2.7668	-0.0039	5.0147	7.0053	0.1176	-0.0078	7.1151
209	89.8	93.2	2.2441	2.767	-0.0038	5.0073	7.0105	0.1102	-0.0037	7.117
210	92	93	2.2388	2.7675	-0.0038	5.0025	7.0105	0.1143	0.005	7.1298
211	90.3	92.9	2.232	2.7671	-0.0039	4.9952	7.0166	0.126	0.0063	7.1488
212	93.4	92.7	2.2246	2.7671	-0.0041	4.9875	7.0371	0.1266	0.0091	7.1728
213	93.7	92.9	2.2178	2.7668	-0.0041	4.9805	7.0518	0.1151	0.0069	7.1739

214	90.8	93	2.2106	2.7666	-0.004	4.9733	7.0665	0.1087	0.0063	7.1815
215	95.9	93.1	2.2035	2.7663	-0.0039	4.9659	7.0648	0.1014	0.0073	7.1735
216	98.9	93.3	2.1961	2.7663	-0.0038	4.9586	7.0702	0.1027	0.0069	7.1797
217	96.9	93.4	2.189	2.7665	-0.0037	4.9518	7.1056	0.1097	0.0131	7.2284
218	96.4	93.2	2.1814	2.7664	-0.0038	4.944	7.1343	0.1144	0.0216	7.2702
219	91.1	93.4	2.1752	2.7668	-0.0045	4.9375	7.1571	0.1239	0.0259	7.3069
220	92.6	93.6	2.1682	2.7661	-0.0043	4.93	7.1176	0.1349	0.0246	7.2771
221	90.3	93.9	2.1621	2.7653	-0.0045	4.9229	7.0943	0.1515	0.018	7.2638
222	92.7	93.7	2.156	2.7643	-0.0043	4.916	7.1007	0.168	0.0062	7.2748
223	95.1	93.7	2.1488	2.7625	-0.0042	4.9071	7.102	0.1755	0.0001	7.2776
224	94.3	93.7	2.143	2.7611	-0.004	4.9001	7.1025	0.1716	-0.0019	7.2722
225	93.5	93.4	2.1369	2.76	-0.0039	4.893	7.0987	0.1664	-0.0029	7.2622
226	91.5	93.1	2.1304	2.7598	-0.0037	4.8865	7.0911	0.1659	-0.0035	7.2534
227	92.5	92.7	2.1239	2.759	-0.0035	4.8794	7.0865	0.1582	-0.0034	7.2414
228	92.5	92.6	2.1177	2.7584	-0.0037	4.8724	7.0548	0.1494	0.0005	7.2047
229	96	92.7	2.1114	2.758	-0.0035	4.8659	7.0473	0.1606	-0.001	7.2069
230	96.6	92.7	2.1052	2.758	-0.0032	4.86	6.9965	0.1668	-0.0052	7.1581
231	89.6	92.8	2.0987	2.7574	-0.0031	4.853	6.9947	0.1723	-0.0038	7.1632
232	93	92.8	2.0922	2.7568	-0.003	4.8461	6.9529	0.1728	-0.0061	7.1196
233	90.2	92.7	2.0873	2.7562	-0.0027	4.8409	6.936	0.1794	-0.0101	7.1052
234	91.8	92.7	2.0801	2.756	-0.0025	4.8336	6.9213	0.1804	-0.0123	7.0894
235	93.4	92.7	2.074	2.7563	-0.0024	4.8279	6.9122	0.1752	-0.0101	7.0773
236	89	92.8	2.0675	2.7574	-0.0023	4.8226	6.9056	0.1694	-0.0083	7.0666
237	93.4	92.7	2.0597	2.7585	-0.0022	4.8159	6.8901	0.1737	-0.0047	7.0591
238	93.3	92.5	2.0517	2.7598	-0.0021	4.8094	6.8696	0.176	-0.0027	7.0429
239	92.5	92.2	2.0433	2.7607	-0.0021	4.8019	6.8553	0.1704	0.0013	7.027
240	93.1	91.9	2.0305	2.7619	-0.0023	4.7901	6.8291	0.1683	0.004	7.0013
241	92.4	92.2	2.0249	2.7631	-0.0026	4.7855	6.8452	0.17	0.004	7.0192
242	92.1	92.4	2.0177	2.7632	-0.0028	4.7781	6.8232	0.1738	0.003	7
243	94.2	92.6	2.0097	2.7639	-0.0027	4.7709	6.8135	0.1742	0.0045	6.9922
244	94.8	93	2.002	2.7641	-0.0025	4.7637	6.8059	0.1892	0.0066	7.0017
245	92.9	93.4	1.9947	2.7644	-0.0025	4.7565	6.7863	0.1943	0.0049	6.9855
246	90.1	94	1.9862	2.7648	-0.0028	4.7482	6.7803	0.1903	0.0038	6.9743
247	89	94.4	1.9787	2.7649	-0.0033	4.7403	6.7865	0.183	0.0046	6.9742
248	90.7	94.8	1.9704	2.7648	-0.0041	4.7311	6.7888	0.1662	0.0113	6.9664
249	90.6	95.4	1.9635	2.7644	-0.0042	4.7237	6.7799	0.1646	0.0124	6.957
250	95.8	95.7	1.9574	2.7633	-0.0039	4.7168	6.7546	0.1625	0.0169	6.934

251	96.3	96.4	1.952	2.7625	-0.0037	4.7107	6.7462	0.1673	0.0204	6.9339
252	94.9	97.4	1.9447	2.7621	-0.0035	4.7033	6.7609	0.173	0.0208	6.9547
253	97.6	98.1	1.9357	2.7614	-0.0034	4.6937	6.7738	0.176	0.0219	6.9718
254	101	98.6	1.9282	2.7607	-0.0032	4.6857	6.7777	0.1717	0.0189	6.9684
255	102	99.4	1.9205	2.7602	-0.0031	4.6776	6.7479	0.1727	0.0169	6.9375
256	99.9	100	1.9127	2.7607	-0.003	4.6705	6.7388	0.1815	0.0158	6.9361
257	101	102	1.9063	2.7612	-0.0028	4.6648	6.7234	0.1899	0.0114	6.9247
258	105	102	1.8992	2.7614	-0.0029	4.6577	6.7114	0.1971	0.0077	6.9162
259	98.5	104	1.8912	2.7612	-0.0033	4.6491	6.7053	0.2075	0.0083	6.9211
260	106	104	1.883	2.7607	-0.0035	4.6403	6.6842	0.2224	0.0038	6.9104
261	111	105	1.8745	2.761	-0.0039	4.6316	6.6722	0.2302	-0.0019	6.9005
262	108	106	1.8662	2.7617	-0.004	4.6238	6.656	0.2019	-0.0045	6.8534
263	104	106	1.8574	2.762	-0.0042	4.6151	6.6311	0.1901	-0.0071	6.8141
264	108	107	1.8505	2.7619	-0.0042	4.6082	6.5922	0.1911	-0.0065	6.7768
265	110	107	1.8428	2.7613	-0.0042	4.5999	6.567	0.1933	-0.0071	6.7533
266	110	108	1.8336	2.7601	-0.0046	4.5892	6.5479	0.1841	-0.0105	6.7215
267	107	108	1.8269	2.7589	-0.0048	4.581	6.5112	0.1747	-0.0107	6.6752
268	113	108	1.8185	2.7578	-0.0049	4.5714	6.4888	0.1707	-0.0078	6.6517
269	108	109	1.8147	2.7561	-0.0048	4.566	6.4666	0.1683	-0.0064	6.6285
270	110	109	1.8096	2.7539	-0.0044	4.559	6.457	0.1717	-0.0129	6.6158
271	106	109	1.8022	2.7527	-0.0036	4.5513	6.4497	0.1619	-0.0134	6.5982
272	109	109	1.7954	2.7521	-0.0032	4.5443	6.4349	0.1529	-0.0154	6.5725
273	112	109	1.789	2.7523	-0.0031	4.5382	6.4097	0.1414	-0.0135	6.5377
274	111	108	1.7838	2.7524	-0.0029	4.5333	6.3842	0.1164	-0.0122	6.4884
275	112	108	1.778	2.7522	-0.0028	4.5275	6.3795	0.0915	-0.0128	6.4582
276	107	108	1.7721	2.7527	-0.0029	4.5219	6.3704	0.0749	-0.0117	6.4336
277	109	108	1.7669	2.753	-0.0032	4.5167	6.3605	0.068	-0.0085	6.42
278	105	107	1.7599	2.7528	-0.003	4.5097	6.3403	0.0582	-0.0046	6.3938
279	111	107	1.7553	2.7533	-0.0028	4.5057	6.3124	0.0523	-0.0059	6.3588
280	106	107	1.7488	2.7533	-0.0033	4.4987	6.2777	0.048	-0.003	6.3228
281	103	107	1.7427	2.7541	-0.0035	4.4933	6.2376	0.0571	-0.0009	6.2939
282	104	107	1.7363	2.754	-0.0034	4.4868	6.2053	0.0591	0.0019	6.2662
283	102	106	1.73	2.7539	-0.0036	4.4803	6.1945	0.06	-0.0058	6.2488
284	104	106	1.7246	2.7537	-0.0038	4.4745	6.2101	0.0565	-0.0351	6.2315
285	107	105	1.7177	2.7534	-0.0039	4.4673	6.1741	0.056	-0.0382	6.1918
286	105	105	1.7122	2.7525	-0.0041	4.4606	6.1358	0.064	-0.04	6.1598
287	106	105	1.7062	2.7516	-0.0039	4.4539	6.0893	0.0829	-0.0415	6.1306

288	112	104	1.7001	2.7501	-0.0038	4.4464	6.0451	0.0966	-0.0419	6.0998
289	104	104	1.6935	2.7495	-0.0038	4.4392	6.0128	0.1097	-0.0411	6.0813
290	107	103	1.6869	2.7497	-0.0038	4.4328	5.9679	0.1175	-0.0433	6.042
291	104	103	1.6821	2.7497	-0.0036	4.4281	5.8815	0.1295	-0.0471	5.9638
292	102	103	1.676	2.7495	-0.0037	4.4217	5.8556	0.1408	-0.0438	5.9526
293	101	103	1.67	2.7484	-0.0039	4.4145	5.8231	0.138	-0.0438	5.9173
294	101	103	1.6654	2.7482	-0.0037	4.4099	5.7967	0.146	-0.0411	5.9017
295	103	102	1.6588	2.7483	-0.0035	4.4037	5.7693	0.1526	-0.0378	5.8841
296	100	102	1.6521	2.7484	-0.0036	4.397	5.7421	0.1582	-0.036	5.8642
297	102	102	1.6456	2.7494	-0.0041	4.3909	5.6912	0.1604	-0.0354	5.8162
298	98.2	101	1.6389	2.7495	-0.0043	4.3841	5.6535	0.1645	-0.0372	5.7808
299	101	100	1.6341	2.7494	-0.0045	4.379	5.5999	0.1729	-0.0421	5.7307
300	97.4	99.7	1.6275	2.7493	-0.0048	4.3721	5.5593	0.1711	-0.042	5.6884
301	99.7	99.1	1.6198	2.7494	-0.005	4.3642	5.5163	0.1671	-0.0404	5.643
302	103	98.8	1.6122	2.7493	-0.0053	4.3562	5.4887	0.1658	-0.0385	5.6159
303	99.5	98.3	1.6057	2.7495	-0.0051	4.3501	5.4391	0.1647	-0.0366	5.5672
304	97.9	97.4	1.603	2.7494	-0.0052	4.3472	5.3749	0.1645	-0.0366	5.5027
305	98.4	96.7	1.5974	2.7488	-0.0054	4.3407	5.3277	0.1558	-0.0364	5.4471
306	97.4	95.9	1.5923	2.748	-0.0051	4.3352	5.2801	0.1504	-0.0378	5.3928
307	98	94.7	1.587	2.7471	-0.0049	4.3293	5.2311	0.1557	-0.0349	5.3519
308	97.7	93.8	1.5813	2.7461	-0.0047	4.3226	5.202	0.1559	-0.0313	5.3266
309	92	92.7	1.5757	2.7448	-0.0042	4.3163	5.1646	0.1502	-0.0287	5.2861
310	93	91.8	1.5716	2.7445	-0.0036	4.3125	5.1052	0.1453	-0.0285	5.222
311	97.3	90.7	1.5664	2.7469	-0.0034	4.3099	5.0439	0.1431	-0.0293	5.1578
312	90.2	89.5	1.5615	2.7481	-0.0034	4.3061	4.9841	0.1506	-0.0309	5.1038
313	85.1	88.6	1.5586	2.7477	-0.0035	4.3028	4.9346	0.1566	-0.0304	5.0608
314	88	87.9	1.5539	2.7473	-0.0032	4.2979	4.8631	0.1496	-0.0328	4.98
315	84.9	87.2	1.5487	2.7478	-0.0029	4.2937	4.8276	0.1549	-0.031	4.9516
316	80.9	86.5	1.545	2.7488	-0.0028	4.291	4.7778	0.1563	-0.0306	4.9035
317	81.4	85.7	1.5402	2.7494	-0.0029	4.2866	4.7108	0.1438	-0.0352	4.8194
318	78.9	84.9	1.5347	2.7496	-0.0032	4.2811	4.6643	0.1367	-0.0381	4.7629
319	80.7	84.5	1.5295	2.7496	-0.0032	4.2759	4.5924	0.1328	-0.0379	4.6873
320	78.8	84.1	1.5232	2.7499	-0.003	4.2701	4.5684	0.1249	-0.037	4.6563
321	80.3	83	1.5186	2.75	-0.003	4.2656	4.5305	0.1088	-0.0342	4.605
322	83	82.4	1.515	2.7502	-0.0029	4.2623	4.479	0.1015	-0.0269	4.5536
323	83.2	82	1.5104	2.7509	-0.0029	4.2583	4.4314	0.0993	-0.0276	4.5031
324	85.1	81.4	1.505	2.752	-0.0028	4.2542	4.3978	0.1	-0.0247	4.4731

325	84.1	81.1	1.4999	2.7525	-0.0027	4.2497	4.3622	0.1028	-0.0197	4.4453
326	82.7	81.1	1.4943	2.753	-0.0029	4.2445	4.3198	0.1024	-0.0207	4.4014
327	83.1	81	1.4899	2.7532	-0.0031	4.24	4.2843	0.1091	-0.0205	4.3729
328	85.4	81	1.4865	2.7532	-0.0031	4.2366	4.2569	0.1211	-0.0238	4.3542
329	83.8	80.9	1.4836	2.7532	-0.0032	4.2336	4.201	0.1334	-0.0242	4.3101
330	78.2	80.8	1.4814	2.7523	-0.0031	4.2306	4.1676	0.146	-0.0285	4.2852
331	78.4	80.5	1.4781	2.7515	-0.0033	4.2264	4.1195	0.1497	-0.0393	4.2299
332	76.6	80.3	1.4728	2.7508	-0.0024	4.2212	4.0732	0.1551	-0.0376	4.1908
333	77.3	80	1.4663	2.7505	0.0009	4.2177	4.0197	0.1461	-0.0344	4.1315
334	79.4	79.4	1.4627	2.7504	0.0013	4.2144	3.9765	0.1401	-0.0394	4.0772
335	79.6	78.8	1.4604	2.7499	0.0016	4.2119	3.9371	0.1403	-0.0442	4.0333
336	79.7	78.5	1.4586	2.7491	0.0018	4.2095	3.8846	0.1344	-0.0457	3.9734
337	79.5	78	1.4552	2.7488	0.002	4.206	3.8442	0.1187	-0.0475	3.9153
338	77.8	77.2	1.4504	2.7488	0.002	4.2012	3.8024	0.1087	-0.0482	3.8629
339	76.8	76.5	1.4465	2.749	0.0022	4.1977	3.7632	0.0871	-0.0454	3.8049
340	76.2	76.1	1.4423	2.749	0.0024	4.1937	3.724	0.0711	-0.0427	3.7524
341	78.9	75.6	1.4394	2.749	0.0018	4.1902	3.6832	0.0712	-0.0405	3.7139
342	76.9	75.2	1.4354	2.7494	0.0016	4.1863	3.6558	0.0626	-0.037	3.6813
343	73.3	74.7	1.4301	2.7493	0.0014	4.1807	3.6087	0.0541	-0.0374	3.6255
344	73.2	74.2	1.4251	2.7489	0.0013	4.1753	3.5623	0.0431	-0.0373	3.5681
345	76.3	73.7	1.4205	2.7486	0.0011	4.1701	3.5289	0.0407	-0.0364	3.5333
346	73.9	73	1.4171	2.7487	0.0007	4.1665	3.477	0.0375	-0.0334	3.4812
347	70.7	72.2	1.4134	2.7485	0.0004	4.1622	3.4341	0.0333	-0.0308	3.4367
348	70.3	71.5	1.4104	2.7475	0.0001	4.158	3.3792	0.0421	-0.0345	3.3868
349	71.3	70.9	1.4076	2.7473	0	4.1549	3.3301	0.0432	-0.0362	3.3371
350	68.4	70.2	1.4058	2.7466	0.0001	4.1525	3.2922	0.0507	-0.0336	3.3093
351	69	69.3	1.4032	2.7459	0.0001	4.1492	3.2332	0.0643	-0.0349	3.2626
352	68.7	68.5	1.4008	2.7456	0.0002	4.1466	3.161	0.0758	-0.0379	3.199
353	68.9	67.9	1.3982	2.7449	0.0003	4.1434	3.085	0.0874	-0.0428	3.1296
354	70.6	67	1.3954	2.7451	0.0004	4.141	3.0233	0.0982	-0.0426	3.0789
355	66.4	66.3	1.3925	2.7452	0.0007	4.1384	2.9994	0.1053	-0.0458	3.0589
356	64	65.6	1.3896	2.7452	0.0005	4.1353	2.9489	0.1025	-0.0496	3.0019
357	65	65.1	1.3861	2.7457	0.0003	4.1321	2.906	0.0974	-0.0456	2.9579
358	65.5	64.6	1.3827	2.7464	0	4.129	2.8653	0.0869	-0.0428	2.9094
359	63.2	63.9	1.3806	2.7467	-0.0005	4.1269	2.827	0.0759	-0.0442	2.8587
360	60.7	63.4	1.3786	2.7464	-0.0005	4.1245	2.7853	0.0585	-0.0406	2.8033
361	61.5	62.6	1.3761	2.746	-0.0008	4.1213	2.7582	0.0557	-0.0318	2.782

362	61.4	62	1.3727	2.746	-0.001	4.1177	2.7242	0.0769	-0.0306	2.7704
363	57.4	61.5	1.3711	2.747	-0.0009	4.1172	2.7008	0.0876	-0.0312	2.7572
364	62.3	60.7	1.3677	2.7464	-0.0011	4.113	2.6943	0.0766	-0.0289	2.7419
365	61.3	60	1.365	2.7457	-0.0011	4.1095	2.6697	0.0641	-0.0264	2.7074
366	60.4	59.5	1.3626	2.7457	-0.001	4.1072	2.631	0.0657	-0.0204	2.6762
367	60.4	58.8	1.3605	2.7452	-0.001	4.1047	2.6093	0.0769	-0.0179	2.6683
368	59.2	58.2	1.3593	2.7445	-0.0011	4.1027	2.5738	0.0831	-0.0174	2.6395
369	57.6	57.5	1.3579	2.7436	-0.0011	4.1004	2.5367	0.0865	-0.0187	2.6045
370	55.6	57	1.3565	2.743	-0.001	4.0985	2.4976	0.089	-0.018	2.5686
371	56.7	56.3	1.3543	2.7425	-0.0009	4.0959	2.4469	0.095	-0.0148	2.5271
372	58.9	55.7	1.3523	2.7422	-0.0004	4.094	2.4206	0.0995	-0.0146	2.5055
373	55.4	55.3	1.3493	2.7423	-0.0006	4.0909	2.397	0.1055	-0.0112	2.4913
374	52.7	54.6	1.3476	2.7421	-0.001	4.0887	2.358	0.121	-0.0112	2.4678
375	54.4	54	1.3461	2.742	-0.0007	4.0874	2.3158	0.1437	-0.0096	2.4499
376	52.6	53.5	1.3436	2.7418	-0.0008	4.0846	2.2709	0.1559	-0.007	2.4198
377	53.1	52.9	1.3412	2.7409	-0.0008	4.0813	2.2377	0.1685	-0.0065	2.3997
378	51.7	52.1	1.3398	2.7395	-0.0006	4.0787	2.2094	0.1829	-0.0058	2.3864
379	49.6	51.6	1.3385	2.7387	0	4.0772	2.1827	0.1922	-0.007	2.3679
380	48.6	51.2	1.3368	2.7383	0.0006	4.0757	2.1676	0.2028	-0.011	2.3594
381	49.9	50.5	1.3354	2.7386	0.0003	4.0742	2.1551	0.2127	-0.0192	2.3486
382	49.3	49.7	1.3343	2.7394	0	4.0737	2.1292	0.2112	-0.028	2.3124
383	49.5	49.1	1.3323	2.7398	0.0004	4.0725	2.091	0.2011	-0.0235	2.2687
384	49.4	48.6	1.3309	2.7397	0.0007	4.0712	2.0401	0.1908	0.0072	2.238
385	51.2	48.1	1.3293	2.74	0.0007	4.0699	2.0114	0.1825	0.0135	2.2074
386	48.8	47.6	1.3278	2.7406	0.0007	4.0691	1.9949	0.1747	0.0145	2.1841
387	45	47.1	1.326	2.7407	0.0009	4.0676	1.9886	0.1681	0.0153	2.1721
388	48.2	46.7	1.3238	2.7414	0.0007	4.0659	1.9615	0.1584	0.0147	2.1346
389	47	46.5	1.3211	2.7424	0.0005	4.064	1.9268	0.1609	0.02	2.1078
390	44.7	46.4	1.3186	2.7426	0.0003	4.0614	1.9005	0.1601	0.0232	2.0838
391	44	46	1.3165	2.7434	0.0001	4.06	1.8689	0.157	0.0234	2.0493
392	43.4	45.6	1.3151	2.7441	0	4.0592	1.8452	0.1546	0.0159	2.0157
393	43.3	45.1	1.3137	2.7441	-0.0001	4.0577	1.8134	0.1513	0.0169	1.9815
394	45.1	44.7	1.3125	2.7441	-0.0001	4.0565	1.7725	0.1475	0.0173	1.9373
395	42.8	44.2	1.3111	2.7446	-0.0002	4.0556	1.7312	0.1372	0.0162	1.8847
396	43.8	43.8	1.3087	2.7451	-0.0005	4.0533	1.6952	0.1261	0.012	1.8333
397	44.2	43.5	1.3077	2.7452	-0.0007	4.0522	1.6792	0.1167	0.0073	1.8032
398	45.2	43	1.3059	2.7452	-0.0007	4.0504	1.6632	0.1043	0.0074	1.7749

399	46.2	42.5	1.3049	2.7443	-0.0011	4.0481	1.654	0.0862	0.0032	1.7433
400	42.1	42.2	1.3042	2.7429	-0.0013	4.0458	1.6452	0.0829	0.001	1.7291
401	41.6	41.9	1.3037	2.7418	-0.0012	4.0443	1.6322	0.079	0.0086	1.7199
402	40.8	41.6	1.3037	2.7406	-0.001	4.0433	1.6074	0.0759	0.0105	1.6938
403	42.3	41.3	1.3034	2.7397	-0.0009	4.0422	1.5852	0.0834	0.006	1.6746
404	41.2	40.9	1.3031	2.7388	-0.0006	4.0413	1.569	0.0922	0.004	1.6653
405	41.6	40.6	1.3025	2.7385	-0.0004	4.0405	1.5523	0.1064	0.0046	1.6633
406	39.8	40.2	1.3017	2.7383	-0.0006	4.0394	1.5352	0.1121	0.0062	1.6535
407	37.8	39.8	1.3005	2.7384	-0.0006	4.0383	1.5253	0.1146	0.0075	1.6474
408	37.9	39.3	1.2986	2.7385	-0.0003	4.0367	1.5137	0.1172	0.0071	1.638
409	38.7	38.7	1.2972	2.7389	-0.0001	4.036	1.491	0.1195	0.0045	1.6149
410	37.8	38.4	1.2958	2.7389	-0.0004	4.0343	1.4708	0.1223	0.0037	1.5968
411	38.4	38.1	1.294	2.7392	-0.0003	4.0329	1.4538	0.1219	0.0019	1.5776
412	37.8	37.8	1.2914	2.7393	-0.0003	4.0304	1.4253	0.1216	-0.0042	1.5427
413	36.4	37.4	1.2892	2.74	-0.0006	4.0286	1.3902	0.1292	-0.0088	1.5106
414	37.2	37	1.2869	2.7409	-0.0006	4.0272	1.3857	0.1421	-0.0076	1.5203
415	36.7	36.6	1.2856	2.7413	-0.0008	4.0261	1.3772	0.1344	-0.012	1.4996
416	37.2	36.4	1.2841	2.7411	-0.001	4.0242	1.3671	0.1158	-0.0112	1.4717
417	35.5	36.2	1.2828	2.7411	-0.0012	4.0227	1.3673	0.1016	-0.0085	1.4604
418	35.1	36	1.281	2.7409	-0.0013	4.0207	1.3642	0.0836	-0.0062	1.4416
419	35.3	35.8	1.2797	2.7407	-0.0014	4.019	1.3705	0.0697	-0.0036	1.4366
420	36.4	35.5	1.2786	2.7404	-0.0015	4.0174	1.3933	0.0558	0.0026	1.4516
421	34.8	35.3	1.2765	2.7401	-0.0015	4.0151	1.3925	0.041	0.0052	1.4387
422	35.2	35.1	1.2753	2.7396	-0.0018	4.0131	1.3848	0.0427	0.0079	1.4355
423	34.2	34.9	1.2745	2.7388	-0.0018	4.0115	1.3681	0.0505	0.0115	1.4301
424	34.2	34.7	1.2734	2.7376	-0.0018	4.0092	1.3438	0.0623	0.0089	1.415
425	35.9	34.5	1.2728	2.7369	-0.002	4.0077	1.3392	0.0715	0.0067	1.4174
426	34.1	34.4	1.2706	2.7362	-0.0022	4.0045	1.3264	0.0823	0.0059	1.4145
427	32.9	34.2	1.2689	2.7349	-0.0025	4.0014	1.3112	0.0907	-0.0017	1.4001
428	34.6	34.1	1.2682	2.734	-0.0024	3.9998	1.3012	0.0834	-0.0053	1.3793
429	33.7	33.9	1.2668	2.7329	-0.0021	3.9977	1.3046	0.0727	-0.0012	1.3761
430	34	33.7	1.2659	2.731	-0.0012	3.9957	1.3085	0.0614	0.004	1.3738
431	33.8	33.5	1.2652	2.7304	-0.0005	3.9951	1.312	0.0535	0.0082	1.3737
432	33.1	33.4	1.2637	2.7307	0	3.9944	1.3217	0.0537	0.0048	1.3802
433	33.3	33.3	1.2623	2.7315	0.0001	3.9939	1.3229	0.0608	0.0051	1.3888
434	32.6	33.2	1.2616	2.7321	0	3.9937	1.3229	0.0706	0.0116	1.4051
435	34.2	33.1	1.2609	2.7325	0.0002	3.9935	1.3217	0.0706	0.0151	1.4073

436	32.3	33.1	1.2597	2.7323	0.0003	3.9923	1.3126	0.0726	0.017	1.4022
437	33	33.1	1.259	2.733	0.0005	3.9925	1.3066	0.0791	0.0166	1.4023
438	32.1	33.1	1.2578	2.7327	0	3.9905	1.3021	0.0893	0.0152	1.4066
439	32.7	33.1	1.2565	2.7329	-0.0001	3.9893	1.2918	0.1047	0.0094	1.4059
440	31.1	33	1.2554	2.7333	0.0001	3.9888	1.2856	0.1134	0.0079	1.4068
441	32.1	32.9	1.2549	2.7335	0.0002	3.9886	1.2714	0.1062	0.0109	1.3884
442	32.7	32.9	1.254	2.7343	-0.0001	3.9882	1.2688	0.1122	0.0128	1.3938
443	32.8	32.8	1.2528	2.7345	-0.0003	3.987	1.2652	0.1229	0.0094	1.3974
444	33.2	32.8	1.252	2.7352	-0.0003	3.9868	1.2593	0.1299	0.0068	1.396
445	33.8	32.7	1.2509	2.736	-0.0001	3.9868	1.247	0.1357	0.0083	1.3909
446	33.4	32.7	1.2491	2.7371	0	3.9862	1.2456	0.1419	0.0054	1.3929
447	35.1	32.8	1.247	2.738	-0.0003	3.9848	1.238	0.1469	-0.0002	1.3847
448	33.6	32.9	1.245	2.7389	-0.0002	3.9837	1.2327	0.1525	-0.0023	1.383
449	31.2	32.9	1.2431	2.739	-0.0001	3.982	1.2249	0.1514	0.0006	1.3769
450	32.9	33	1.2426	2.7387	-0.0007	3.9806	1.2245	0.1442	-0.0043	1.3644
451	32.2	33	1.2424	2.7383	-0.0009	3.9798	1.2226	0.1348	-0.0094	1.348
452	32.1	33.1	1.2423	2.7373	-0.0004	3.9792	1.2253	0.1261	-0.012	1.3394
453	32.6	33	1.2413	2.7357	-0.0001	3.9769	1.2281	0.1147	-0.009	1.3338
454	31.9	33	1.2402	2.7345	0	3.9747	1.2345	0.1053	-0.0038	1.336
455	33.5	33	1.239	2.734	0.0001	3.973	1.241	0.0933	-0.0001	1.3341
456	34.1	33.1	1.237	2.7337	-0.0002	3.9705	1.2465	0.0903	0.0012	1.338
457	33.8	33	1.2348	2.7339	-0.0004	3.9683	1.246	0.0883	0.0004	1.3348
458	33.3	33	1.2336	2.7344	-0.0005	3.9676	1.2511	0.0885	0.0031	1.3428
459	33.1	33.1	1.2336	2.7344	-0.0008	3.9672	1.2527	0.0893	0.007	1.3489
460	32.2	33.1	1.2332	2.7342	-0.0007	3.9667	1.2457	0.0961	0.0027	1.3445
461	34.3	33.1	1.2336	2.7338	-0.0004	3.967	1.238	0.1036	-0.0048	1.3368
462	31.2	33.2	1.2337	2.7331	-0.0001	3.9667	1.2416	0.0979	-0.0027	1.3368
463	32.4	33.2	1.2325	2.7328	-0.0001	3.9651	1.2274	0.1008	0.0018	1.33
464	33.6	33.3	1.23	2.733	0.0001	3.9631	1.2211	0.0982	0.0003	1.3197
465	35	33.1	1.2283	2.7341	0	3.9624	1.2173	0.1024	0.0033	1.3229
466	33.3	33	1.2258	2.7356	-0.0002	3.9612	1.2164	0.1018	0.0035	1.3217
467	33.3	32.9	1.2241	2.7369	-0.0004	3.9606	1.2148	0.0997	0.0034	1.3178
468	33.4	32.8	1.2222	2.7375	-0.0007	3.959	1.2125	0.099	-0.0019	1.3096
469	33.2	32.7	1.2186	2.738	-0.0014	3.9552	1.2044	0.0962	-0.0049	1.2958
470	32.7	32.6	1.2173	2.7389	-0.0015	3.9546	1.1957	0.0874	-0.007	1.276
471	33.9	32.5	1.2158	2.7382	-0.0017	3.9524	1.1874	0.081	-0.0103	1.2581
472	32.6	32.6	1.2155	2.7371	-0.0016	3.951	1.1774	0.0768	-0.0097	1.2445

473	32.7	32.6	1.2149	2.736	-0.0015	3.9494	1.1753	0.0677	-0.0129	1.2301
474	31.2	32.5	1.2137	2.735	-0.0016	3.947	1.1766	0.0529	-0.0092	1.2203
475	32.2	32.2	1.2134	2.7338	-0.0013	3.9459	1.187	0.0328	-0.0059	1.2139
476	30.7	32.1	1.2125	2.7328	-0.0006	3.9446	1.273	-0.0438	-0.007	1.2222
477	31.6	31.9	1.2111	2.7325	-0.0002	3.9434	1.2667	-0.0421	-0.0096	1.2151
478	31.1	31.8	1.2093	2.7322	-0.0005	3.9411	1.2638	-0.0479	-0.0103	1.2057
479	30.8	31.6	1.2077	2.7325	-0.0004	3.9398	1.2699	-0.0464	-0.0071	1.2164
480	32.4	31.5	1.2056	2.733	-0.0002	3.9384	1.2722	-0.0409	-0.008	1.2232
481	32.5	31.3	1.2032	2.7332	-0.0002	3.9362	1.3366	-0.0418	-0.0814	1.2134
482	33.2	31.3	1.202	2.7333	-0.0005	3.9348	1.3816	-0.0489	-0.1032	1.2295
483	30.9	31.2	1.2001	2.7328	-0.0008	3.932	1.3671	-0.0367	-0.0994	1.2311
484	30.1	31.3	1.1987	2.7326	-0.0008	3.9305	1.354	-0.016	-0.0976	1.2405
485	31.2	31.3	1.198	2.7327	-0.001	3.9297	1.3488	0.0065	-0.0962	1.2591
486	30.4	31.3	1.1971	2.7327	-0.001	3.9289	1.3587	0.0187	-0.0949	1.2825
487	30	31.3	1.1958	2.7318	-0.0006	3.927	1.3484	0.0275	-0.0957	1.2801
488	30.4	31.3	1.1946	2.7309	-0.0002	3.9253	1.3345	0.0444	-0.0933	1.2855
489	30.9	31.3	1.1926	2.7311	-0.0003	3.9233	1.327	0.0379	-0.095	1.27
490	29.6	31.2	1.1914	2.7319	-0.0008	3.9226	1.3211	0.0359	-0.0981	1.259
491	33.2	31.1	1.1896	2.7322	-0.0012	3.9206	1.3156	0.0276	-0.0977	1.2455
492	31.1	31	1.1886	2.7318	-0.0009	3.9194	1.305	0.0354	-0.0924	1.2481
493	32.4	31.1	1.1878	2.7311	-0.0008	3.9181	1.2962	0.0532	-0.095	1.2543
494	32.3	31.2	1.1878	2.7305	-0.0009	3.9174	1.3045	0.0563	-0.1003	1.2604
495	31.3	31.3	1.1866	2.7304	-0.0007	3.9163	1.306	0.0665	-0.098	1.2745
496	30.3	31.4	1.1849	2.7304	-0.0005	3.9148	1.3177	0.0732	-0.0924	1.2985
497	31.1	31.4	1.1844	2.7299	-0.0005	3.9139	1.3041	0.0895	-0.0861	1.3074
498	31	31.4	1.1834	2.7301	-0.0008	3.9127	1.2918	0.1144	-0.0822	1.324
499	31.1	31.4	1.1824	2.7299	-0.0007	3.9116	1.2747	0.133	-0.0764	1.3314
500	30.9	31.5	1.182	2.7294	-0.0004	3.911	1.2615	0.135	-0.0704	1.3262
501	31.3	31.4	1.1812	2.7292	0	3.9104	1.2629	0.1324	-0.0721	1.3232
502	32	31.5	1.1809	2.7291	-0.0001	3.9099	1.2579	0.1332	-0.0733	1.3177
503	32.4	31.5	1.1799	2.7291	-0.0005	3.9086	1.2568	0.1397	-0.0643	1.3323
504	32.6	31.5	1.179	2.7295	-0.0006	3.9079	1.2499	0.1182	-0.059	1.3091
505	33.2	31.4	1.1778	2.7295	-0.0006	3.9067	1.2505	0.1159	-0.0605	1.3059
506	30.2	31.4	1.1771	2.7294	-0.0006	3.9059	1.2887	0.0889	-0.0707	1.3068
507	30.1	31.5	1.1754	2.7295	-0.0009	3.904	1.2718	0.0883	-0.08	1.2801
508	31	31.6	1.1733	2.7295	-0.001	3.9019	1.2506	0.0908	-0.0856	1.2558
509	31.8	31.6	1.1726	2.7293	-0.0004	3.9015	1.245	0.0958	-0.0882	1.2525

510	31.5	31.6	1.172	2.7286	0.0001	3.9006	1.2565	0.0953	-0.0972	1.2547
511	32.8	31.7	1.1698	2.7294	-0.0001	3.8992	1.2584	0.0895	-0.1029	1.245
512	32.3	31.7	1.1686	2.7292	-0.0005	3.8974	1.2617	0.0874	-0.1074	1.2416
513	32	31.8	1.167	2.7302	-0.0006	3.8966	1.2554	0.0746	-0.1087	1.2214
514	29.9	31.6	1.1652	2.7307	-0.0009	3.8949	1.2438	0.0601	-0.1114	1.1925
515	30.2	31.7	1.164	2.7311	-0.0012	3.8939	1.2373	0.0411	-0.1099	1.1685
516	32.2	31.8	1.1626	2.7311	-0.0013	3.8924	1.2236	0.0422	-0.1079	1.1578
517	32.5	32	1.1615	2.7312	-0.001	3.8917	1.2076	0.0528	-0.104	1.1564
518	31	32.1	1.1606	2.7313	-0.0008	3.8911	1.2021	0.0623	-0.1053	1.1592
519	32.2	32.1	1.1602	2.732	-0.0007	3.8914	1.1971	0.0662	-0.1157	1.1476
520	32.2	32.1	1.1598	2.7323	-0.0005	3.8916	1.1834	0.0702	-0.1226	1.131
521	32	32	1.1588	2.7324	-0.0006	3.8906	1.191	0.0814	-0.1198	1.1526
522	33.9	31.9	1.1578	2.7329	-0.0005	3.8901	1.1916	0.076	-0.1199	1.1477
523	30.3	31.7	1.1569	2.7335	-0.0009	3.8895	1.1974	0.0652	-0.1198	1.1428
524	34.2	31.9	1.1547	2.7343	-0.0012	3.8879	1.2042	0.0611	-0.1212	1.1441
525	32.1	31.9	1.1455	2.7413	-0.0013	3.8855	1.2134	0.0426	-0.1253	1.1306
526	34.1	31.9	1.1439	2.7404	-0.0013	3.883	1.225	0.0281	-0.1189	1.1342
527	33.2	31.8	1.1425	2.7397	-0.0015	3.8808	1.2384	0.016	-0.1243	1.1301
528	32.2	31.8	1.1412	2.7386	-0.0017	3.8781	1.2585	0.0211	-0.1591	1.1204
529	31.2	31.8	1.1396	2.737	-0.0013	3.8753	1.2307	0.0239	-0.1646	1.09
530	29.9	31.8	1.1322	2.7352	0.007	3.8744	1.2111	0.0264	-0.1706	1.0669
531	30.5	31.7	1.127	2.7353	0.0098	3.8722	1.1909	0.0334	-0.1764	1.048
532	29.1	31.4	1.127	2.7344	0.0099	3.8712	1.1654	0.0417	-0.1756	1.0315
533	32.3	31.4	1.1269	2.7331	0.0099	3.8699	1.15	0.0486	-0.1781	1.0206
534	30.2	31.1	1.1267	2.7315	0.0096	3.8678	1.1295	0.0403	-0.1783	0.9915
535	33.3	31	1.125	2.7306	0.0096	3.8653	1.1162	0.0331	-0.1814	0.9679
536	31.1	30.7	1.1249	2.7296	0.0099	3.8643	1.1095	0.0373	-0.182	0.9648
537	31	30.5	1.1256	2.7286	0.0098	3.8639	1.1042	0.0299	-0.1806	0.9535
538	32.2	30.4	1.125	2.7289	0.0095	3.8635	1.093	0.0118	-0.1723	0.9325
539	31.5	30.3	1.1244	2.7293	0.0097	3.8634	1.0886	-0.0043	-0.1633	0.921
540	29.8	30.3	1.1239	2.7305	0.0098	3.8642	1.0721	-0.0076	-0.1603	0.9042
541	29.4	30.3	1.1244	2.73	0.0095	3.8638	1.059	0.0046	-0.1599	0.9037
542	29.5	30.3	1.1244	2.7289	0.0094	3.8628	1.041	0.0079	-0.1592	0.8897
543	28.8	30.2	1.1224	2.7289	0.0097	3.8609	1.0273	0.0045	-0.1552	0.8765
544	29.1	30.2	1.1214	2.7285	0.0095	3.8594	1.0156	-0.0052	-0.155	0.8555
545	29.1	30	1.1192	2.7286	0.0091	3.8569	1.0261	-0.0192	-0.1567	0.8503
546	29.2	30	1.1187	2.7281	0.0086	3.8555	1.0361	-0.034	-0.154	0.8481

547	29.6	30	1.1179	2.7266	0.0079	3.8524	1.0321	-0.0346	-0.1496	0.8479
548	30.1	29.9	1.1175	2.7256	0.0074	3.8506	1.0366	-0.0428	-0.15	0.8438
549	30.3	29.9	1.1169	2.7255	0.0069	3.8493	1.0397	-0.0458	-0.1546	0.8393
550	29.6	29.9	1.1163	2.7254	0.0065	3.8482	1.0443	-0.0488	-0.1543	0.8413
551	29.8	29.9	1.1166	2.725	0.0064	3.848	1.0525	-0.0545	-0.1527	0.8453
552	30.7	29.8	1.1166	2.7233	0.006	3.8459	1.0552	-0.0552	-0.1497	0.8503
553	29.5	29.9	1.1163	2.7239	0.0058	3.846	1.0595	-0.0536	-0.15	0.8559
554	29.5	29.8	1.1152	2.7229	0.006	3.8441	1.046	-0.042	-0.147	0.857
555	31.8	29.7	1.1101	2.7251	0.0071	3.8423	1.0277	-0.0261	-0.146	0.8556
556	30.8	29.6	1.1099	2.7249	0.0078	3.8425	1.0065	-0.0066	-0.138	0.8618
557	30.8	29.5	1.1097	2.7248	0.0082	3.8427	0.9914	0.0007	-0.1427	0.8494
558	30.4	29.3	1.1091	2.7249	0.0083	3.8423	0.9778	0.0046	-0.1504	0.832
559	29.4	29	1.1079	2.7249	0.0089	3.8417	0.9558	0.0078	-0.1569	0.8067
560	29.7	28.8	1.1074	2.7253	0.0096	3.8422	0.9361	0.0079	-0.147	0.7969
561	28.9	28.5	1.1074	2.7251	0.0103	3.8428	0.9275	0.0056	-0.1404	0.7927
562	29.3	28.2	1.1082	2.7256	0.0108	3.8446	0.9082	0.017	-0.141	0.7842
563	26.9	28	1.1081	2.7268	0.011	3.8459	0.8975	0.0228	-0.1448	0.7755
564	27.7	27.8	1.1063	2.7289	0.0111	3.8462	0.8806	0.0343	-0.1469	0.7679
565	27.5	27.5	1.1059	2.7299	0.0108	3.8466	0.8655	0.0492	-0.1512	0.7635
566	27.3	27.3	1.1051	2.7303	0.0102	3.8456	0.8583	0.0529	-0.1486	0.7626
567	26.1	27.2	1.1039	2.7306	0.0102	3.8447	0.8532	0.0513	-0.1493	0.7552
568	25.2	27.1	1.1025	2.7309	0.0108	3.8442	0.8433	0.0518	-0.1486	0.7464
569	25.1	27	1.1002	2.731	0.0109	3.8421	0.8354	0.054	-0.1476	0.7418
570	25.6	26.9	1.0982	2.7307	0.0105	3.8394	0.838	0.0602	-0.1464	0.7517
571	25.1	26.9	1.0967	2.7306	0.0103	3.8376	0.8452	0.054	-0.1424	0.7568
572	24.8	27	1.0957	2.7306	0.0104	3.8367	0.8499	0.0518	-0.1406	0.7611
573	25.8	27.1	1.0945	2.7299	0.0106	3.835	0.8424	0.0593	-0.1387	0.7629
574	25.9	27.3	1.0923	2.7307	0.0109	3.8339	0.835	0.067	-0.1405	0.7615
575	27.6	27.3	1.0909	2.731	0.0106	3.8325	0.8134	0.0789	-0.1396	0.7526
576	27.8	27.4	1.0887	2.7312	0.0118	3.8316	0.7229	0.1413	-0.1325	0.7317
577	28.9	27.6	1.0852	2.7304	0.0157	3.8313	0.7097	0.1295	-0.1266	0.7125
578	28.2	27.8	1.0862	2.7298	0.016	3.8321	0.6921	0.1352	-0.128	0.6993
579	28.3	28	1.0865	2.7299	0.0167	3.8331	0.6848	0.1307	-0.1332	0.6824
580	28.7	28.2	1.0865	2.7296	0.0174	3.8336	0.6755	0.1168	-0.1306	0.6618
581	30.4	28.4	1.0867	2.729	0.0174	3.833	0.6068	0.1005	-0.051	0.6563
582	29.4	28.6	1.087	2.7284	0.0173	3.8327	0.5703	0.1039	-0.0251	0.6491
583	30.1	28.7	1.0871	2.7287	0.017	3.8329	0.5846	0.1005	-0.0239	0.6612

584	29.1	28.9	1.0871	2.7293	0.0173	3.8337	0.5929	0.0917	-0.0175	0.6671
585	28.8	28.8	1.0871	2.729	0.0172	3.8332	0.6047	0.0778	-0.0204	0.6621
586	29.3	28.8	1.0867	2.7297	0.0171	3.8335	0.6038	0.0654	-0.017	0.6522
587	29.8	28.7	1.0865	2.7306	0.0166	3.8337	0.6174	0.0469	-0.0094	0.6548
588	28.7	28.6	1.0857	2.7314	0.0161	3.8332	0.6407	0.0313	-0.0108	0.6611
589	29.1	28.6	1.0854	2.7318	0.0157	3.8329	0.6373	0.0303	-0.0163	0.6514
590	29.2	28.6	1.0855	2.7315	0.0152	3.8322	0.6362	0.0362	-0.0162	0.6562
591	28.3	28.5	1.0855	2.7314	0.0147	3.8316	0.6381	0.0491	-0.021	0.6662
592	27.9	28.5	1.0858	2.7313	0.0146	3.8318	0.6462	0.0386	-0.0258	0.659
593	29	28.4	1.0862	2.7316	0.0147	3.8326	0.6372	0.0269	-0.022	0.642
594	26.3	28.3	1.0852	2.7324	0.0148	3.8324	0.6095	0.0342	-0.0177	0.626
595	27.4	28.3	1.083	2.7338	0.0147	3.8315	0.6031	0.0363	-0.0198	0.6196
596	27.7	28.1	1.0817	2.7338	0.0145	3.83	0.5819	0.0359	-0.0299	0.5879
597	26.6	28.1	1.0808	2.7342	0.0145	3.8295	0.5908	0.0311	-0.036	0.586
598	28.3	27.9	1.0794	2.7346	0.0147	3.8287	0.5876	0.0098	-0.0429	0.5546
599	28.5	27.9	1.078	2.7348	0.0147	3.8275	0.5821	-0.0015	-0.0451	0.5354
600	28	27.8	1.0767	2.7348	0.0149	3.8265	0.5839	-0.0072	-0.043	0.5336
601	28.4	27.7	1.0757	2.7347	0.0149	3.8253	0.5877	-0.0104	-0.0428	0.5344
602	28.4	27.5	1.075	2.7345	0.0149	3.8243	0.5978	-0.0193	-0.0377	0.5408
603	28.5	27.4	1.0753	2.7333	0.0142	3.8229	0.6096	-0.0376	-0.0392	0.5328
604	27.3	27.3	1.0762	2.7321	0.014	3.8223	0.6097	-0.0309	-0.0397	0.5391
605	27.2	27.1	1.0772	2.7301	0.0132	3.8205	0.5988	-0.0391	-0.0396	0.5201
606	28.1	27	1.078	2.7294	0.0137	3.821	0.5514	-0.0188	-0.0273	0.5053
607	26.5	26.9	1.0776	2.7291	0.0141	3.8208	0.5623	-0.0276	-0.0201	0.5146
608	27.6	26.7	1.0777	2.7288	0.0147	3.8212	0.5711	-0.0426	-0.0184	0.5102
609	27.3	26.5	1.079	2.7285	0.0143	3.8218	0.5751	-0.055	-0.0144	0.5057
610	26.9	26.4	1.0792	2.728	0.0141	3.8213	0.5742	-0.0589	-0.0077	0.5076
611	25.1	26.2	1.079	2.7277	0.014	3.8208	0.5815	-0.0534	-0.0054	0.5227
612	25.4	26	1.0789	2.7269	0.014	3.8198	0.5968	-0.0496	-0.0151	0.5322
613	25.2	25.9	1.079	2.7268	0.0141	3.8199	0.6126	-0.0368	-0.0164	0.5593
614	24.5	25.9	1.0786	2.7257	0.0142	3.8186	0.6125	-0.0098	-0.0186	0.5841
615	25.3	25.9	1.0782	2.7258	0.0137	3.8177	0.589	0.015	-0.0181	0.586
616	24.6	26	1.0773	2.726	0.0136	3.8169	0.5875	0.0316	-0.0238	0.5952
617	24.1	26	1.0772	2.726	0.0138	3.8171	0.5776	0.039	-0.0334	0.5832
618	25	25.9	1.077	2.7259	0.014	3.8169	0.5629	0.0441	-0.0325	0.5744
619	25.1	25.9	1.0764	2.7259	0.0139	3.8163	0.5367	0.0434	-0.0248	0.5553
620	24.8	25.8	1.0753	2.7269	0.0137	3.8159	0.5159	0.0398	-0.025	0.5306

621	25.4	25.7	1.0738	2.7272	0.0135	3.8145	0.4858	0.0343	-0.0278	0.4923
622	27	25.8	1.0735	2.7269	0.0134	3.8138	0.4718	0.0275	-0.028	0.4713
623	26.9	25.7	1.0734	2.7268	0.0131	3.8133	0.4661	0.0297	-0.0265	0.4694
624	28.1	25.7	1.0734	2.7265	0.0128	3.8126	0.465	0.0255	-0.0213	0.4691
625	28.3	25.7	1.0732	2.7272	0.0119	3.8123	0.4547	0.0321	-0.0178	0.469
626	27.1	25.7	1.0729	2.7275	0.0114	3.8118	0.4491	0.0385	-0.0226	0.465
627	26.2	25.6	1.0733	2.7262	0.0113	3.8109	0.4294	0.0403	-0.0109	0.4588
628	26.5	25.6	1.0727	2.7256	0.0116	3.8099	0.3945	0.0383	0.0294	0.4622
629	24.8	25.6	1.0721	2.7253	0.0118	3.8092	0.4102	0.0303	0.0321	0.4725
630	25	25.7	1.0715	2.7252	0.0121	3.8088	0.4285	0.0282	0.036	0.4927
631	25.4	25.6	1.07	2.7249	0.0123	3.8073	0.4312	0.0244	0.0467	0.5024
632	24.5	25.5	1.0685	2.7243	0.0123	3.8051	0.4403	0.0031	0.051	0.4944
633	24.6	25.4	1.0676	2.7239	0.0116	3.8031	0.4544	-0.0106	0.0573	0.5011
634	24.1	25.2	1.0662	2.7237	0.0116	3.8016	0.4658	-0.0118	0.0557	0.5097
635	24.9	25.1	1.0646	2.7241	0.0113	3.8	0.4736	-0.0048	0.06	0.5288
636	23.6	25	1.0631	2.7249	0.0108	3.7988	0.4758	-0.0041	0.06	0.5317
637	23.3	24.9	1.0615	2.7254	0.0109	3.7978	0.4744	0.006	0.0576	0.538
638	25.5	24.8	1.0613	2.7259	0.0111	3.7983	0.4681	0.0171	0.0542	0.5395
639	26.3	24.8	1.0608	2.7257	0.0113	3.7978	0.4583	0.0246	0.0546	0.5375
640	25.2	24.7	1.0601	2.7256	0.0119	3.7976	0.4641	0.034	0.053	0.5512
641	24.3	24.6	1.0597	2.7261	0.012	3.7979	0.4684	0.0318	0.0496	0.5498
642	24.6	24.5	1.0607	2.7263	0.0116	3.7985	0.4731	0.0277	0.0447	0.5455
643	24.7	24.3	1.0614	2.7255	0.0115	3.7983	0.4837	0.0255	0.0455	0.5547
644	25.5	24.3	1.0611	2.7249	0.0114	3.7974	0.4959	0.0316	0.0471	0.5747
645	25.1	24.2	1.061	2.725	0.0121	3.7981	0.4991	0.0452	0.0483	0.5926
646	24.6	24.2	1.0597	2.725	0.0122	3.7969	0.4923	0.058	0.0455	0.5959
647	24.6	24.1	1.0591	2.7256	0.0122	3.7969	0.4809	0.0599	0.0425	0.5833
648	24.9	24	1.0593	2.7258	0.0119	3.797	0.467	0.0694	0.046	0.5824
649	23.5	23.8	1.0585	2.7262	0.0112	3.796	0.455	0.0811	0.0493	0.5855
650	23.5	23.6	1.0575	2.7265	0.0108	3.7948	0.4458	0.0896	0.0502	0.5856
651	22.2	23.6	1.0568	2.7269	0.0102	3.7939	0.4377	0.0977	0.0503	0.5857
652	22.3	23.5	1.0556	2.7271	0.0099	3.7926	0.4228	0.1041	0.0523	0.5792
653	23.7	23.5	1.0553	2.727	0.0098	3.792	0.4127	0.1088	0.0488	0.5703
654	23	23.4	1.0553	2.7268	0.01	3.7921	0.4178	0.0996	0.0386	0.5561
655	22.3	23.2	1.055	2.727	0.0099	3.7918	0.429	0.0891	0.0347	0.5528
656	22.9	23.1	1.0536	2.7276	0.0098	3.7911	0.4329	0.0687	0.0245	0.5262
657	22.2	23	1.0526	2.7291	0.01	3.7917	0.4374	0.0581	0.0261	0.5216

658	22.8	22.8	1.0516	2.7304	0.0098	3.7917	0.4358	0.0488	0.0304	0.515
659	21.9	22.8	1.0505	2.7308	0.0097	3.791	0.452	0.0318	0.0327	0.5166
660	23.3	22.7	1.0493	2.7306	0.0101	3.79	0.4905	0.0183	0.0301	0.5389
661	24.2	22.6	1.0477	2.73	0.0118	3.7896	0.5077	0.0051	0.0298	0.5426
662	24	22.6	1.0469	2.7293	0.0124	3.7886	0.5136	-0.0039	0.0324	0.5422
663	22.9	22.4	1.0469	2.7278	0.0129	3.7875	0.5229	-0.0168	0.0338	0.5399
664	22.8	22.3	1.0474	2.7274	0.0129	3.7876	0.5276	-0.0218	0.0375	0.5433
665	21.9	22.2	1.0472	2.7267	0.0132	3.7871	0.5271	-0.0354	0.0341	0.5258
666	22.6	22.1	1.0473	2.7264	0.0135	3.7873	0.5338	-0.0309	0.031	0.5339
667	21.9	21.9	1.0476	2.7262	0.0134	3.7872	0.532	-0.0289	0.0321	0.5353
668	22.3	21.8	1.0488	2.7266	0.0133	3.7887	0.5387	-0.0284	0.0331	0.5433
669	21.5	21.7	1.0487	2.727	0.0134	3.7891	0.5341	-0.0319	0.0324	0.5346
670	20.9	21.6	1.0496	2.7273	0.0133	3.7902	0.5248	-0.0289	0.0332	0.5291
671	21.8	21.4	1.0495	2.7279	0.0131	3.7905	0.5199	-0.02	0.0354	0.5352
672	20.8	21.2	1.0491	2.7276	0.013	3.7898	0.5112	-0.0186	0.0361	0.5287
673	20.8	21.1	1.048	2.7274	0.0127	3.7881	0.5131	-0.0215	0.0373	0.5289
674	20.7	21.1	1.0469	2.7275	0.0127	3.787	0.5167	-0.0171	0.0362	0.5358
675	19.8	21.1	1.046	2.7271	0.0129	3.786	0.5252	-0.0258	0.0366	0.536
676	19.3	21	1.0457	2.7271	0.0129	3.7857	0.5376	-0.0133	0.0295	0.5538
677	20.7	21	1.0458	2.7266	0.0127	3.7851	0.5352	-0.0104	0.012	0.5368
678	20.5	21.1	1.0452	2.7268	0.0128	3.7848	0.5591	-0.0318	0.0125	0.5398
679	20.4	21	1.0437	2.7271	0.0131	3.7839	0.5626	-0.045	0.0162	0.5338
680	20.3	21.1	1.0434	2.7272	0.0127	3.7833	0.5703	-0.0454	0.0167	0.5417
681	20.6	21.1	1.0426	2.7287	0.0123	3.7836	0.5718	-0.046	0.0193	0.5451
682	22	21.2	1.0416	2.7295	0.0116	3.7826	0.561	-0.0459	0.0245	0.5396
683	21.8	21.2	1.0405	2.7299	0.0115	3.7819	0.5393	-0.0398	0.0262	0.5257
684	21.3	21.2	1.0397	2.7298	0.0113	3.7808	0.5267	-0.0346	0.0186	0.5107
685	21.9	21.3	1.0395	2.7294	0.0112	3.7801	0.508	-0.0215	0.0174	0.5039
686	22	21.4	1.0393	2.7291	0.0113	3.7797	0.4888	-0.018	0.0135	0.4844
687	22.8	21.3	1.0397	2.7289	0.0112	3.7798	0.4713	-0.0092	0.0071	0.4692
688	21.4	21.3	1.0399	2.7289	0.0107	3.7795	0.4459	-0.008	0.005	0.4429
689	22.3	21.3	1.0389	2.7284	0.0104	3.7778	0.4436	-0.017	0.0062	0.4328
690	22.2	21.4	1.0387	2.7283	0.0102	3.7772	0.4356	-0.0308	0.0076	0.4123
691	21.8	21.3	1.0382	2.7286	0.0103	3.7771	0.4289	-0.0439	0.0124	0.3974
692	21.4	21.2	1.0375	2.7288	0.0101	3.7763	0.4376	-0.0469	0.0188	0.4094
693	20.9	21.1	1.0367	2.7285	0.01	3.7751	0.4691	-0.0525	0.0192	0.4358
694	21.1	21.1	1.0353	2.7279	0.01	3.7732	0.4952	-0.0623	0.0199	0.4528

695	20.7	21	1.0337	2.728	0.0101	3.7719	0.5	-0.0699	0.021	0.4512
696	19.5	20.9	1.0336	2.7279	0.0102	3.7717	0.4981	-0.0678	0.0248	0.4552
697	20.2	20.8	1.0341	2.7273	0.0099	3.7713	0.4864	-0.0588	0.0251	0.4527
698	20.5	20.7	1.0339	2.7265	0.0098	3.7702	0.4849	-0.04	0.023	0.4679
699	21.4	20.5	1.0334	2.7258	0.0097	3.769	0.4784	-0.0347	0.0163	0.4599
700	19.8	20.3	1.0329	2.7251	0.0099	3.7679	0.4707	-0.024	0.0095	0.4563
701	20.6	20.2	1.0334	2.7243	0.0097	3.7674	0.4677	-0.0243	0.0058	0.4492
702	20.2	20.1	1.0337	2.7236	0.01	3.7673	0.4743	-0.0267	-0.001	0.4466
703	20.4	20	1.0335	2.7234	0.0103	3.7672	0.4696	-0.0246	-0.0036	0.4414
704	20.7	19.9	1.0333	2.7232	0.0105	3.767	0.4717	-0.0196	-0.0042	0.4479
705	20.2	19.9	1.0339	2.7233	0.0108	3.7679	0.4775	-0.0115	-0.0028	0.4632
706	19.5	19.9	1.0342	2.7236	0.011	3.7688	0.48	-0.0056	0.0008	0.4752
707	19.3	20	1.034	2.7242	0.0111	3.7693	0.469	0.0089	0.0028	0.4807
708	18.9	20	1.0325	2.7256	0.0114	3.7695	0.4479	0.0315	0.0124	0.4918
709	19.7	19.9	1.0299	2.7267	0.0113	3.7679	0.438	0.0506	0.0129	0.5015
710	19.6	19.9	1.0284	2.7275	0.0111	3.7671	0.4303	0.0595	0.0103	0.5001
711	18.5	19.8	1.0276	2.7281	0.0108	3.7665	0.4068	0.062	0.0134	0.4821
712	19.7	19.9	1.0266	2.7286	0.0106	3.7658	0.3931	0.0573	0.0304	0.4808
713	19.2	19.9	1.0262	2.729	0.0103	3.7655	0.388	0.0455	0.034	0.4675
714	20.3	19.8	1.0259	2.7293	0.0108	3.766	0.3966	0.0295	0.0391	0.4652
715	20.3	19.8	1.0248	2.7289	0.0106	3.7643	0.418	0.023	0.0419	0.4829
716	20.4	19.8	1.0241	2.7289	0.0104	3.7634	0.4246	0.0121	0.0481	0.4848
717	20.9	19.9	1.0233	2.7289	0.0105	3.7627	0.4355	0.0047	0.0549	0.495
718	19.9	19.9	1.0236	2.7291	0.0107	3.7635	0.449	-0.0042	0.0533	0.4981
719	19.5	19.9	1.0239	2.7288	0.0106	3.7634	0.4591	0.004	0.0531	0.5162
720	19.9	19.8	1.0233	2.7289	0.0102	3.7624	0.4553	0.0162	0.0518	0.5233
721	20.9	19.8	1.0227	2.7291	0.0099	3.7616	0.49	0.0208	0.0193	0.5301
722	20.4	19.8	1.0222	2.7291	0.0096	3.7609	0.492	0.0275	0.0041	0.5237
723	19.7	19.7	1.0217	2.7285	0.0095	3.7598	0.4836	0.0185	0.0071	0.5091
724	20.3	19.6	1.0209	2.729	0.0091	3.759	0.4741	0.0129	0.0043	0.4913
725	19	19.5	1.0194	2.7285	0.009	3.7569	0.4676	0.012	0.0026	0.4822
726	20.1	19.3	1.0194	2.7285	0.0102	3.7581	0.4658	0.0101	0.0053	0.4813
727	19.7	19.2	1.0174	2.7294	0.0101	3.7569	0.4645	0.0159	0.0052	0.4856
728	19.1	19.1	1.0165	2.7301	0.01	3.7565	0.4709	0.0172	0.0059	0.4939
729	19	19	1.015	2.7299	0.0101	3.755	0.4758	0.0113	0.0013	0.4884
730	18.7	18.9	1.0144	2.7298	0.0101	3.7543	0.473	0.0145	0.0038	0.4913
731	18.3	18.7	1.0139	2.7295	0.0099	3.7533	0.4738	0.0025	-0.0003	0.476

732	18.5	18.5	1.0146	2.7283	0.0097	3.7525	0.4639	0.0153	-0.0026	0.4767
733	18.3	18.3	1.0149	2.7274	0.0098	3.7521	0.4546	0.0158	-0.0045	0.4659
734	17.4	18.1	1.0154	2.7259	0.0099	3.7512	0.4568	0.008	-0.0018	0.463
735	17.6	18	1.0158	2.7259	0.01	3.7516	0.466	-0.0012	-0.0021	0.4627
736	17.9	17.7	1.016	2.7258	0.0101	3.7519	0.4732	-0.0058	-0.0022	0.4651
737	17.8	17.6	1.0169	2.7262	0.0104	3.7535	0.4663	-0.0028	-0.0016	0.4618
738	17.8	17.4	1.017	2.7276	0.0105	3.755	0.4653	0.0036	0.0014	0.4703
739	17.9	17.2	1.0172	2.7288	0.0106	3.7566	0.4589	0.0023	-0.0068	0.4545
740	17.3	17.1	1.0172	2.73	0.0107	3.7579	0.4386	-0.0048	-0.0129	0.421
741	17.2	17.1	1.016	2.7308	0.0102	3.757	0.4372	-0.0096	-0.0269	0.4007
742	16.4	17.1	1.0138	2.7315	0.0097	3.755	0.4226	-0.0018	-0.025	0.3958
743	15.8	17.1	1.0119	2.7317	0.0095	3.7531	0.4187	0.0038	-0.0255	0.397
744	16.4	17.1	1.0111	2.7319	0.0093	3.7523	0.4136	-0.004	-0.0269	0.3827
745	16.1	17.2	1.0112	2.7318	0.0096	3.7526	0.4069	-0.0149	-0.0246	0.3674
746	16.6	17.2	1.011	2.7309	0.0097	3.7516	0.3897	-0.018	-0.0195	0.3521
747	15.5	17.2	1.0106	2.7296	0.0099	3.7501	0.3801	-0.0156	-0.0175	0.347
748	16.1	17.3	1.0115	2.7292	0.0103	3.751	0.3865	-0.0098	-0.0213	0.3555
749	16.8	17.2	1.0114	2.7286	0.0103	3.7503	0.3917	-0.0146	-0.0233	0.3538
750	17.2	17.2	1.0108	2.7289	0.0102	3.7499	0.3828	-0.0226	-0.0273	0.3329
751	18.1	17.3	1.0094	2.7296	0.0103	3.7493	0.3726	-0.037	-0.0301	0.3055
752	18.5	17.3	1.0087	2.7295	0.0103	3.7485	0.3819	-0.0551	-0.033	0.2938
753	18.6	17.4	1.0081	2.7289	0.0102	3.7473	0.3865	-0.0695	-0.0306	0.2864
754	18.4	17.6	1.0075	2.728	0.0103	3.7457	0.3832	-0.077	-0.0273	0.2789
755	18.1	17.7	1.007	2.7275	0.0098	3.7443	0.3871	-0.093	-0.0272	0.2668
756	18.8	17.8	1.0067	2.7267	0.0095	3.743	0.4059	-0.0999	-0.0232	0.2828
757	18.4	17.9	1.0078	2.726	0.0088	3.7425	0.4174	-0.0992	-0.0195	0.2987
758	17.7	18	1.0078	2.7253	0.0085	3.7416	0.4215	-0.0978	-0.0165	0.3071
759	17.2	18.1	1.0075	2.7248	0.0086	3.7409	0.413	-0.0903	-0.0144	0.3083
760	17.8	18.1	1.0086	2.7244	0.0088	3.7418	0.3935	-0.0815	-0.0189	0.2932
761	17.2	18	1.0084	2.7243	0.0088	3.7415	0.3789	-0.0782	-0.0204	0.2803
762	18.4	18	1.0081	2.7247	0.009	3.7419	0.3801	-0.073	-0.0239	0.2832
763	19.1	17.9	1.0072	2.7248	0.0089	3.741	0.3832	-0.0734	-0.0212	0.2886
764	18.4	17.9	1.0056	2.7251	0.0087	3.7393	0.4102	-0.0763	-0.0247	0.3092
765	18.3	17.8	1.0047	2.7255	0.0084	3.7386	0.4166	-0.0747	-0.0169	0.325
766	18.2	17.6	1.0038	2.7259	0.008	3.7377	0.4221	-0.0731	-0.0161	0.333
767	17.7	17.6	1.0027	2.7266	0.0081	3.7374	0.4219	-0.0686	-0.0171	0.3363
768	18.3	17.5	1.0029	2.7262	0.008	3.7371	0.416	-0.0659	-0.0137	0.3364

769	16.8	17.5	1.0031	2.7254	0.0082	3.7367	0.4168	-0.0615	-0.0109	0.3444
770	17	17.4	1.0006	2.7252	0.0113	3.7371	0.42	-0.061	-0.0102	0.3487
771	17.4	17.3	1.0003	2.7251	0.0127	3.7381	0.4123	-0.0528	-0.0139	0.3457
772	17.6	17.2	1.0008	2.7258	0.0123	3.7389	0.4162	-0.0456	-0.015	0.3555
773	17.2	17	1.0006	2.7261	0.0123	3.7389	0.4155	-0.0371	-0.0135	0.3649
774	16.3	16.9	1.0001	2.7263	0.0124	3.7388	0.4066	-0.0338	-0.0092	0.3635
775	16.5	16.8	0.9994	2.7261	0.0123	3.7379	0.4005	-0.0126	-0.0112	0.3768
776	16.8	16.7	0.9993	2.7255	0.0124	3.7372	0.3947	-0.0017	-0.0117	0.3813
777	17	16.6	0.9987	2.7249	0.0121	3.7357	0.3984	0.0122	0.007	0.4176
778	16.7	16.6	0.9977	2.7257	0.0127	3.736	0.3736	0.0422	0.0055	0.4213
779	16.1	16.5	0.9964	2.7256	0.0127	3.7347	0.3585	0.0642	0.0027	0.4255
780	15.3	16.5	0.996	2.7269	0.0128	3.7357	0.3341	0.0678	0.0029	0.4049
781	16.4	16.5	0.9962	2.7272	0.0125	3.7359	0.3278	0.0681	0.0038	0.3997
782	15.7	16.5	0.9961	2.7279	0.012	3.736	0.3331	0.0616	0.0009	0.3956
783	15.8	16.5	0.9948	2.7291	0.0116	3.7356	0.3501	0.046	0.0014	0.3975
784	16.7	16.5	0.9931	2.7299	0.0115	3.7345	0.3713	0.0304	0.0085	0.4102
785	16.5	16.5	0.9922	2.73	0.0114	3.7335	0.3817	0.0062	0.0102	0.3982
786	16	16.5	0.9926	2.7294	0.0115	3.7335	0.3821	0.0063	0.0127	0.4011
787	16.7	16.4	0.9931	2.7286	0.011	3.7327	0.378	0.014	0.015	0.407
788	16.5	16.3	0.994	2.7287	0.0113	3.734	0.3783	0.0151	0.0169	0.4104
789	17.1	16.3	0.9951	2.7289	0.0117	3.7357	0.3704	0.026	0.0162	0.4126
790	17.1	16.3	0.995	2.7293	0.0129	3.7371	0.3713	0.0377	0.0181	0.427
791	17.3	16.2	0.9959	2.7288	0.0128	3.7375	0.3647	0.0426	0.0185	0.4259
792	16.3	16.2	0.9956	2.7284	0.0126	3.7366	0.3486	0.0461	0.0089	0.4036
793	16.4	16.1	0.9953	2.7289	0.0127	3.7368	0.3373	0.055	-0.0021	0.3902
794	16.7	16	0.9946	2.7294	0.0124	3.7364	0.3222	0.0526	-0.0089	0.366
795	16.4	16	0.9948	2.7298	0.0121	3.7367	0.3094	0.046	-0.0108	0.3447
796	15.7	15.9	0.9956	2.7294	0.012	3.737	0.2996	0.0349	-0.0099	0.3246
797	15.8	15.8	0.9954	2.7283	0.0121	3.7357	0.2893	0.0221	-0.0067	0.3047
798	15.5	15.8	0.9947	2.728	0.0121	3.7348	0.2737	0.0015	-0.0021	0.2731
799	15.1	15.7	0.9951	2.7281	0.0125	3.7357	0.2799	-0.0056	0.0031	0.2773
800	14.8	15.6	0.9957	2.7288	0.0129	3.7373	0.2761	-0.0087	0.0048	0.2722
801	15.4	15.5	0.9952	2.7298	0.013	3.738	0.2674	-0.0042	0.0046	0.2679
802	14.1	15.5	0.995	2.7305	0.0131	3.7387	0.2624	0.0054	0.0084	0.2761
803	14.7	15.5	0.9952	2.7311	0.0131	3.7394	0.2704	0.009	0.0089	0.2883
804	15.7	15.4	0.9946	2.7325	0.0133	3.7403	0.2757	0.0085	0.0055	0.2898
805	15.4	15.3	0.9933	2.7333	0.0131	3.7396	0.2792	0.0022	0.0056	0.2871

806	14.8	15.4	0.9925	2.7335	0.013	3.739	0.2834	-0.0001	0.0007	0.2841
807	15.5	15.4	0.9919	2.734	0.0128	3.7386	0.2903	-0.0105	-0.0033	0.2765
808	15.8	15.4	0.9912	2.7346	0.0129	3.7387	0.3099	-0.0229	-0.0123	0.2748
809	15.2	15.4	0.9906	2.7348	0.0132	3.7386	0.3081	-0.0329	-0.014	0.2611
810	15.3	15.5	0.9905	2.7353	0.0132	3.739	0.3075	-0.0466	-0.0137	0.2473
811	15.9	15.5	0.9896	2.7354	0.0132	3.7382	0.3132	-0.0542	-0.0104	0.2487
812	16.5	15.6	0.9883	2.736	0.0127	3.737	0.312	-0.0566	-0.0103	0.2451
813	14.9	15.7	0.9852	2.7366	0.0128	3.7346	0.325	-0.0506	-0.0054	0.2691
814	15.2	15.7	0.9843	2.7368	0.0125	3.7335	0.3265	-0.0516	-0.0041	0.2707
815	16.2	15.8	0.9826	2.7362	0.0122	3.731	0.3213	-0.0514	-0.0054	0.2645
816	15.9	15.8	0.9819	2.7357	0.0121	3.7298	0.3177	-0.0434	-0.0082	0.2661
817	15.6	15.8	0.9817	2.7355	0.0119	3.7291	0.3128	-0.0374	-0.0087	0.2668
818	15.8	15.8	0.982	2.7352	0.0118	3.729	0.3169	-0.029	-0.0071	0.2808
819	16.2	15.8	0.9819	2.7349	0.0116	3.7285	0.3317	-0.0289	-0.0063	0.2965
820	15.6	15.9	0.9821	2.7342	0.0116	3.7279	0.3324	-0.0323	0.0009	0.301
821	15.9	15.8	0.9811	2.7336	0.0114	3.7261	0.3129	-0.0296	0.0344	0.3177
822	16.5	15.8	0.9807	2.7328	0.011	3.7245	0.3086	-0.0227	0.0504	0.3364
823	16.3	15.8	0.9811	2.7319	0.0105	3.7234	0.3104	-0.0049	0.0425	0.348
824	16.3	15.8	0.9808	2.7303	0.0102	3.7213	0.307	0.0096	0.0381	0.3547
825	15.9	15.7	0.98	2.7287	0.0102	3.7188	0.2996	0.0156	0.0381	0.3533
826	15.5	15.7	0.9796	2.7273	0.0095	3.7163	0.2876	0.0094	0.0389	0.3359
827	15.9	15.7	0.9801	2.7252	0.0095	3.7148	0.2844	-0.0034	0.0388	0.3198
828	15.5	15.6	0.9806	2.7236	0.0097	3.714	0.2774	-0.0199	0.0358	0.2934
829	16.1	15.5	0.9816	2.7231	0.0098	3.7145	0.2619	-0.0209	0.0392	0.2802
830	15.3	15.4	0.9816	2.7229	0.0098	3.7143	0.2471	-0.0276	0.039	0.2585
831	15	15.3	0.9806	2.7233	0.0098	3.7137	0.236	-0.0185	0.0389	0.2564
832	15	15.2	0.9796	2.7237	0.0095	3.7128	0.2304	-0.0162	0.0342	0.2483
833	15.2	15.1	0.9778	2.7243	0.0089	3.7111	0.2181	-0.0172	0.0312	0.232
834	15.7	14.9	0.9772	2.7252	0.0089	3.7113	0.2034	-0.0186	0.0274	0.2122
835	14.9	14.9	0.9776	2.7252	0.0087	3.7115	0.1864	-0.0201	0.026	0.1923
836	14.9	14.8	0.9782	2.7244	0.0086	3.7112	0.1754	-0.0236	0.0256	0.1774
837	14.8	14.8	0.9791	2.7247	0.0087	3.7125	0.1783	-0.0317	0.0265	0.1732
838	14	14.6	0.9799	2.725	0.0089	3.7138	0.1862	-0.0387	0.0224	0.1699
839	13.9	14.5	0.9801	2.725	0.0088	3.7139	0.1976	-0.0337	0.0277	0.1916
840	14.2	14.4	0.9807	2.7258	0.0088	3.7153	0.2088	-0.0337	0.0297	0.2048
841	14	14.2	0.9811	2.7262	0.0093	3.7166	0.2068	-0.0304	0.0401	0.2165
842	14.3	14.1	0.9801	2.726	0.0099	3.716	0.2146	-0.0368	0.0405	0.2183

843	13.8	14	0.9797	2.7264	0.0104	3.7165	0.213	-0.055	0.0383	0.1963
844	14.3	13.8	0.9801	2.7273	0.0104	3.7178	0.2163	-0.0538	0.041	0.2035
845	14.8	13.7	0.9812	2.7283	0.0106	3.7202	0.2243	-0.0528	0.0423	0.2138
846	14.6	13.6	0.9821	2.7287	0.0104	3.7211	0.2444	-0.0494	0.039	0.2339
847	12.6	13.6	0.9832	2.7295	0.0101	3.7228	0.2711	-0.0552	0.0377	0.2536
848	13.7	13.5	0.9835	2.7298	0.01	3.7233	0.2773	-0.0657	0.0385	0.2501
849	12.9	13.6	0.9838	2.7295	0.0098	3.7231	0.2707	-0.0622	0.0405	0.2491
850	12.4	13.6	0.984	2.7293	0.0097	3.7231	0.2733	-0.0524	0.0434	0.2643
851	12.9	13.6	0.9832	2.729	0.0094	3.7217	0.2781	-0.0388	0.0482	0.2876
852	12.7	13.6	0.9816	2.7286	0.0094	3.7197	0.2784	-0.022	0.0508	0.3072
853	12.7	13.6	0.9806	2.7281	0.0096	3.7183	0.2861	-0.0179	0.051	0.3192
854	12.5	13.6	0.9796	2.7277	0.0097	3.717	0.2955	-0.0106	0.0523	0.3373
855	13.8	13.5	0.9786	2.7275	0.0097	3.7159	0.2996	0.006	0.0546	0.3601
856	13.4	13.5	0.9777	2.7278	0.0098	3.7154	0.3007	0.0216	0.0551	0.3774
857	13.5	13.6	0.9768	2.7282	0.01	3.715	0.3035	0.0249	0.0554	0.3838
858	14.8	13.6	0.977	2.7286	0.0099	3.7155	0.3011	0.0324	0.0556	0.389
859	14.4	13.6	0.9767	2.7295	0.01	3.7162	0.2926	0.0475	0.0569	0.397
860	14.2	13.7	0.9773	2.7298	0.0098	3.7169	0.28	0.0604	0.0617	0.4022
861	14.4	13.7	0.9772	2.73	0.0098	3.717	0.2827	0.0715	0.0615	0.4157
862	14.4	13.8	0.9756	2.7298	0.0095	3.715	0.2772	0.082	0.0558	0.4151
863	14	13.9	0.9746	2.73	0.0094	3.7139	0.2632	0.0923	0.0477	0.4031
864	13.7	14	0.9734	2.7302	0.0092	3.7129	0.2344	0.0974	0.048	0.3798
865	14.1	14	0.9729	2.7298	0.0092	3.712	0.2264	0.1012	0.0429	0.3706
866	14.3	14.1	0.9725	2.7297	0.0089	3.7111	0.2087	0.1	0.04	0.3487
867	14	14.1	0.971	2.7295	0.0088	3.7093	0.1896	0.1034	0.0413	0.3344
868	13.2	14.1	0.9697	2.7291	0.0086	3.7074	0.1853	0.1004	0.041	0.3267
869	13.6	14.1	0.9699	2.7286	0.0081	3.7066	0.1946	0.1014	0.0401	0.3362
870	13.3	14.2	0.9693	2.7282	0.0079	3.7054	0.205	0.0922	0.0392	0.3364
871	13.7	14.2	0.9694	2.7274	0.0076	3.7045	0.2212	0.0743	0.0391	0.3346
872	14.2	14.1	0.9697	2.7263	0.0081	3.7041	0.221	0.0632	0.0359	0.3201
873	14.5	14.1	0.9699	2.7251	0.0085	3.7035	0.2217	0.0536	0.0312	0.3065
874	14.6	14	0.9701	2.7247	0.0086	3.7035	0.2266	0.0331	0.0277	0.2873
875	14.4	13.9	0.9707	2.7252	0.0084	3.7043	0.2273	0.0121	0.0293	0.2687
876	15.2	13.8	0.9708	2.7259	0.0085	3.7052	0.2224	-0.0071	0.0297	0.245
877	14.7	13.8	0.971	2.7269	0.0086	3.7064	0.2156	-0.0173	0.024	0.2223
878	14.3	13.7	0.9715	2.7277	0.0087	3.708	0.2187	-0.0333	0.0246	0.2099
879	14.7	13.7	0.9717	2.7284	0.0088	3.7089	0.2255	-0.0501	0.029	0.2043

880	14.1	13.7	0.9724	2.7288	0.0089	3.7101	0.239	-0.0656	0.034	0.2074
881	13.8	13.6	0.9732	2.7288	0.0091	3.7111	0.2415	-0.0696	0.0335	0.2054
882	12.7	13.6	0.9743	2.7296	0.0089	3.7128	0.2322	-0.0566	0.0337	0.2093
883	13	13.5	0.9745	2.731	0.0089	3.7144	0.218	-0.0427	0.0316	0.207
884	12.7	13.5	0.9745	2.7319	0.0089	3.7153	0.1903	-0.0327	0.0267	0.1843
885	12.5	13.5	0.9746	2.7323	0.0089	3.7158	0.1778	-0.0184	0.023	0.1824
886	12.4	13.5	0.9748	2.7325	0.0088	3.7162	0.179	-0.0192	0.0218	0.1816
887	12.5	13.4	0.9745	2.7324	0.0088	3.7157	0.1797	-0.0315	0.0192	0.1674
888	12.7	13.4	0.9742	2.732	0.0086	3.7148	0.1778	-0.0258	0.0211	0.1731
889	13.2	13.4	0.9742	2.7323	0.0087	3.7152	0.1846	-0.0262	0.0249	0.1833
890	13	13.4	0.9743	2.7323	0.0089	3.7155	0.1931	-0.0266	0.0251	0.1916
891	13.2	13.3	0.9745	2.7325	0.0087	3.7157	0.2059	-0.0175	0.0276	0.216
892	13.3	13.4	0.9743	2.7339	0.0088	3.717	0.2122	-0.0056	0.033	0.2397
893	14.3	13.4	0.9737	2.7342	0.0086	3.7165	0.2101	-0.0049	0.039	0.2443
894	14.3	13.5	0.9721	2.7347	0.0082	3.715	0.2144	0.0016	0.0426	0.2586
895	14.4	13.6	0.9703	2.7347	0.0082	3.7133	0.2223	0.0146	0.043	0.2799
896	14.3	13.6	0.9685	2.7349	0.0082	3.7116	0.2362	0.0277	0.0453	0.3092
897	14.2	13.7	0.9677	2.7348	0.0082	3.7107	0.2458	0.0368	0.0451	0.3278
898	13.6	13.8	0.9677	2.7342	0.008	3.7099	0.2564	0.0483	0.0422	0.3469
899	13.7	13.8	0.9678	2.7333	0.0081	3.7092	0.2475	0.0459	0.0358	0.3292
900	13.2	13.8	0.9679	2.7327	0.0081	3.7086	0.2156	0.0416	0.0321	0.2893
901	13.6	13.8	0.9674	2.732	0.0079	3.7073	0.1886	0.0375	0.0328	0.2589
902	14.2	13.8	0.9664	2.7323	0.008	3.7067	0.1592	0.032	0.0314	0.2225
903	13.6	13.8	0.9657	2.7321	0.0078	3.7056	0.145	0.0319	0.032	0.2089
904	14.2	13.7	0.9646	2.7319	0.0078	3.7043	0.1406	0.0334	0.0355	0.2095
905	13.5	13.7	0.9632	2.7311	0.0076	3.7019	0.1347	0.0355	0.0349	0.2051
906	14	13.7	0.9621	2.731	0.0075	3.7006	0.1348	0.0412	0.0314	0.2074
907	13.4	13.6	0.9618	2.7308	0.0072	3.6997	0.1391	0.0478	0.0307	0.2175
908	13.6	13.6	0.962	2.7299	0.0072	3.699	0.1384	0.055	0.0327	0.2261
909	13	13.5	0.9626	2.7288	0.007	3.6984	0.1532	0.0588	0.0311	0.2431
910	13.1	13.5	0.9623	2.7282	0.007	3.6975	0.1523	0.0621	0.0309	0.2454
911	13.5	13.5	0.9619	2.7272	0.0076	3.6967	0.1618	0.0655	0.0284	0.2557
912	14	13.4	0.962	2.7267	0.008	3.6967	0.1557	0.0531	0.0301	0.2389
913	13.6	13.4	0.9618	2.7269	0.008	3.6966	0.137	0.0454	0.0276	0.2099
914	14	13.4	0.9616	2.7266	0.0082	3.6964	0.1226	0.0449	0.0282	0.1957
915	13.5	13.4	0.9617	2.7262	0.0082	3.6961	0.1087	0.0474	0.026	0.1822
916	12.8	13.3	0.9629	2.7254	0.008	3.6963	0.1086	0.0421	0.025	0.1756

917	13	13.3	0.9632	2.7254	0.0078	3.6964	0.1039	0.0327	0.0228	0.1594
918	12.7	13.3	0.9625	2.7251	0.0078	3.6954	0.0914	0.0235	0.0263	0.1412
919	13.6	13.2	0.9614	2.7257	0.0077	3.6949	0.0917	0.0183	0.0287	0.1387
920	13.1	13.2	0.96	2.7267	0.0077	3.6944	0.103	0.0177	0.0313	0.152
921	13	13.1	0.959	2.7273	0.0078	3.6941	0.0941	0.0187	0.0299	0.1428
922	13.3	13	0.9585	2.7274	0.0079	3.6938	0.0955	0.0228	0.0303	0.1486
923	13.4	13	0.9584	2.7286	0.0077	3.6947	0.0855	0.0261	0.0334	0.145
924	13.4	12.9	0.9581	2.7291	0.0073	3.6944	0.0883	0.0189	0.0398	0.147
925	13.5	12.8	0.9577	2.7294	0.0072	3.6943	0.0891	0.0242	0.0369	0.1501
926	12.5	12.8	0.958	2.729	0.0071	3.6941	0.0882	0.0394	0.0317	0.1592
927	13	12.8	0.9582	2.7285	0.0071	3.6938	0.0859	0.0487	0.0295	0.1641
928	12.7	12.9	0.9581	2.7287	0.0068	3.6935	0.0876	0.0581	0.029	0.1746
929	12.3	12.8	0.9577	2.7296	0.0064	3.6938	0.0919	0.0679	0.0297	0.1895
930	12.1	12.7	0.9574	2.7299	0.0064	3.6937	0.0922	0.0692	0.0292	0.1905
931	12.2	12.7	0.9574	2.729	0.0064	3.6928	0.102	0.068	0.0327	0.2027
932	12.8	12.6	0.9578	2.728	0.0063	3.6921	0.115	0.066	0.036	0.217
933	12.5	12.5	0.9588	2.7276	0.0063	3.6926	0.1247	0.0719	0.033	0.2296
934	11.9	12.4	0.9594	2.7271	0.0066	3.6931	0.123	0.0812	0.0328	0.237
935	13.1	12.3	0.9597	2.7271	0.0065	3.6933	0.1239	0.0801	0.0311	0.2351
936	13	12.2	0.9602	2.7276	0.0067	3.6945	0.1288	0.0704	0.029	0.2282
937	12.8	12.2	0.9613	2.7273	0.0066	3.6952	0.134	0.0631	0.0305	0.2275
938	11.8	12.1	0.9615	2.7276	0.0064	3.6955	0.1356	0.0565	0.0332	0.2252
939	12.2	12.1	0.9608	2.7277	0.0063	3.6947	0.136	0.0477	0.0334	0.2171
940	12	12.1	0.9601	2.7275	0.0061	3.6937	0.1322	0.0426	0.0367	0.2116
941	11.9	12.1	0.9599	2.7268	0.006	3.6926	0.1335	0.0437	0.0448	0.222
942	11.5	12.1	0.959	2.7265	0.006	3.6915	0.1358	0.044	0.0442	0.224
943	11.9	12	0.9582	2.7263	0.0061	3.6906	0.135	0.0591	0.045	0.2391
944	11.6	12.1	0.9579	2.7258	0.0061	3.6898	0.1255	0.0717	0.0455	0.2427
945	11.1	12	0.9576	2.7256	0.0061	3.6892	0.1089	0.0876	0.0408	0.2373
946	11.6	11.9	0.9575	2.725	0.0059	3.6884	0.0886	0.0999	0.0388	0.2273
947	12.1	11.9	0.9576	2.7246	0.0059	3.6881	0.068	0.1085	0.0371	0.2135
948	12.5	11.9	0.9588	2.7252	0.0064	3.6904	0.0601	0.1089	0.0368	0.2058
949	11.6	11.8	0.9623	2.7253	0.0066	3.6942	0.0621	0.0977	0.034	0.1937
950	11.8	11.7	0.9652	2.7256	0.0065	3.6972	0.064	0.0777	0.0364	0.1782
951	12.7	11.7	0.9673	2.7258	0.0063	3.6994	0.0661	0.0629	0.0337	0.1628
952	11.9	11.7	0.9671	2.7254	0.0062	3.6988	0.0704	0.0529	0.0312	0.1545
953	12.1	11.6	0.9665	2.7247	0.0061	3.6973	0.0651	0.0463	0.0319	0.1433

954	12	11.6	0.9661	2.7242	0.0062	3.6965	0.0598	0.0453	0.0332	0.1383
955	11.7	11.6	0.9652	2.7234	0.0066	3.6951	0.0654	0.0493	0.0344	0.149
956	11.7	11.5	0.9638	2.723	0.0068	3.6936	0.0626	0.0538	0.0359	0.1523
957	11.4	11.5	0.963	2.7227	0.0067	3.6924	0.055	0.0619	0.0357	0.1526
958	11	11.4	0.9617	2.7227	0.0068	3.6912	0.0423	0.0669	0.0364	0.1455
959	10.6	11.4	0.9615	2.7233	0.0069	3.6917	0.0407	0.065	0.0367	0.1424
960	10.9	11.3	0.9611	2.7233	0.007	3.6913	0.0471	0.0566	0.0304	0.1341
961	11.2	11.3	0.9617	2.7247	0.0068	3.6931	0.0441	0.0599	0.0257	0.1297
962	11	11.3	0.9619	2.7253	0.0068	3.694	0.0387	0.0559	0.0287	0.1233
963	10.9	11.4	0.9623	2.7255	0.0065	3.6943	0.037	0.0574	0.0326	0.1269
964	11.1	11.4	0.9626	2.7255	0.0066	3.6947	0.0239	0.0606	0.0311	0.1155
965	11.1	11.5	0.9621	2.7256	0.0067	3.6944	0.012	0.0574	0.0369	0.1063
966	10.6	11.5	0.9621	2.7264	0.0066	3.6951	0.0112	0.0564	0.0375	0.1051
967	11.5	11.6	0.9618	2.7272	0.0062	3.6952	0.0167	0.0562	0.0322	0.1051
968	11	11.7	0.9606	2.7272	0.0058	3.6936	0.0111	0.059	0.0274	0.0974
969	11	11.8	0.9596	2.7268	0.005	3.6914	0.0051	0.0466	0.0272	0.079
970	12	11.9	0.9599	2.7263	0.0049	3.6911	-0.004	0.0388	0.0283	0.0631
971	11.9	12	0.9599	2.7251	0.0046	3.6896	-0.0184	0.0363	0.0273	0.0453
972	13.1	12	0.9612	2.7237	0.0047	3.6896	-0.0296	0.03	0.0307	0.0311
973	13.4	12	0.961	2.7232	0.0045	3.6888	-0.0397	0.0269	0.0319	0.0191
974	12.7	12	0.9612	2.7223	0.0049	3.6885	-0.0438	0.037	0.0283	0.0216
975	12.9	12	0.9619	2.7212	0.0053	3.6884	-0.0497	0.0384	0.0221	0.0109
976	12.8	12.1	0.9622	2.721	0.0056	3.6888	-0.048	0.036	0.0201	0.008
977	12.2	12.1	0.9622	2.7211	0.0057	3.6889	-0.0411	0.0319	0.016	0.0069
978	12.5	12.1	0.9623	2.721	0.0058	3.689	-0.0395	0.0192	0.0159	-0.0044
979	12.7	12.1	0.9625	2.7215	0.0059	3.6898	-0.0347	0.0129	0.0148	-0.0069
980	12.6	12.1	0.9622	2.722	0.0056	3.6898	-0.0289	0.0194	0.013	0.0034
981	11.5	12.1	0.9617	2.7222	0.0055	3.6894	-0.0127	0.0162	0.0137	0.0172
982	11.5	12	0.9618	2.7224	0.0056	3.6899	0.0009	0.0015	0.0159	0.0183
983	11.4	11.9	0.9622	2.7229	0.0056	3.6907	0.0162	-0.0096	0.0149	0.0215
984	11.2	11.8	0.9621	2.7239	0.0058	3.6918	0.0221	-0.0112	0.0142	0.0252
985	11.4	11.8	0.9617	2.7253	0.006	3.693	0.0204	-0.0088	0.0192	0.0307
986	11.5	11.7	0.9614	2.7262	0.0058	3.6934	0.0168	0.0004	0.0179	0.0352
987	10.9	11.7	0.961	2.7268	0.0055	3.6932	0.0188	0.0141	0.0171	0.05
988	11.1	11.6	0.9606	2.7273	0.0052	3.6931	0.0243	0.0121	0.016	0.0524
989	11.7	11.5	0.961	2.728	0.005	3.694	0.0305	0.017	0.0119	0.0594
990	12.2	11.5	0.9609	2.7279	0.0044	3.6933	0.0198	0.0165	0.0093	0.0456

991	11.7	11.5	0.9609	2.7281	0.0043	3.6933	0	0.0188	0.0049	0.0238
992	11.4	11.5	0.9608	2.728	0.0043	3.6931	-0.0013	0.0144	0.0043	0.0174
993	11.4	11.4	0.9611	2.7271	0.004	3.6922	-0.0067	0.0094	0.0047	0.0074
994	12.1	11.4	0.9612	2.7259	0.0041	3.6913	-0.0116	0.0019	0.0075	-0.0023
995	11.4	11.4	0.9615	2.7248	0.0043	3.6905	-0.0166	-0.0093	0.0113	-0.0145
996	11.4	11.4	0.9617	2.7241	0.0045	3.6903	-0.0318	-0.0118	0.0153	-0.0283
997	11.2	11.5	0.9617	2.7239	0.0045	3.6901	-0.0424	-0.0123	0.0128	-0.0419
998	11.3	11.5	0.9614	2.7244	0.0046	3.6905	-0.0431	-0.0074	0.0105	-0.04
999	12.1	11.4	0.9614	2.7256	0.0045	3.6914	-0.0242	-0.0018	0.0105	-0.0154
1000	11.7	11.4	0.9613	2.7264	0.0047	3.6923	0.0117	-0.0047	0.0149	0.0219
1001	11	11.4	0.9603	2.7267	0.0048	3.6919	0.0365	-0.0061	0.0145	0.0449
1002	10.6	11.4	0.9599	2.7277	0.0048	3.6924	0.0562	-0.0044	0.0122	0.064
1003	11.1	11.5	0.9597	2.7276	0.0045	3.6918	0.0533	-0.0132	0.0128	0.0529
1004	11.5	11.4	0.9581	2.727	0.0044	3.6894	0.0471	-0.0229	0.0126	0.0369
1005	11.4	11.4	0.957	2.7257	0.004	3.6867	0.0451	-0.0311	0.0127	0.0266
1006	11.4	11.4	0.9566	2.7248	0.0039	3.6853	0.0375	-0.043	0.0151	0.0096
1007	11.1	11.4	0.9575	2.7241	0.0036	3.6852	0.0252	-0.0558	0.0161	-0.0145
1008	11.1	11.4	0.9579	2.7234	0.0035	3.6848	0.0227	-0.0689	0.0158	-0.0303
1009	11.4	11.3	0.9579	2.7231	0.004	3.685	0.0171	-0.0774	0.017	-0.0434
1010	12.1	11.2	0.9579	2.7222	0.0044	3.6845	0.0245	-0.0731	0.018	-0.0305
1011	12	11.2	0.958	2.7216	0.0047	3.6844	0.032	-0.0742	0.0206	-0.0216
1012	11.8	11.2	0.9583	2.721	0.0047	3.684	0.0491	-0.0646	0.0222	0.0067
1013	11.2	11.1	0.9594	2.7208	0.0049	3.6851	0.0658	-0.0599	0.0215	0.0275
1014	11.2	11.1	0.9604	2.7209	0.0045	3.6858	0.0862	-0.0535	0.0178	0.0506
1015	11.1	11	0.9606	2.7206	0.0044	3.6856	0.1029	-0.055	0.0242	0.0721
1016	11.4	10.9	0.9613	2.7198	0.0048	3.6858	0.1027	-0.054	0.0247	0.0734
1017	10.8	10.9	0.9621	2.7195	0.0051	3.6867	0.1077	-0.0386	0.0272	0.0964
1018	10.6	10.9	0.962	2.7204	0.0051	3.6875	0.1047	-0.0203	0.0258	0.1102
1019	10.5	10.8	0.9618	2.7218	0.0049	3.6885	0.0859	-0.0176	0.0238	0.0921
1020	10.5	10.7	0.9618	2.7231	0.005	3.6899	0.0696	-0.0215	0.0169	0.0649
1021	10.6	10.7	0.9619	2.7243	0.0047	3.691	0.0685	-0.0131	0.0225	0.0778
1022	10	10.7	0.9625	2.7247	0.0047	3.6919	0.0509	-0.013	0.0202	0.0581
1023	10.5	10.6	0.9628	2.7249	0.0049	3.6925	0.0558	-0.0138	0.0155	0.0575
1024	9.92	10.6	0.9631	2.7252	0.0051	3.6934	0.0511	0.0005	0.0067	0.0584
1025	9.61	10.7	0.9625	2.7258	0.0052	3.6935	0.0514	-0.0091	0.0052	0.0475
1026	10.7	10.6	0.9621	2.7258	0.0055	3.6934	0.0566	-0.0309	0.0093	0.0349
1027	10.7	10.7	0.9621	2.7266	0.0055	3.6942	0.0558	-0.0467	0.0105	0.0196

1028	10.6	10.7	0.9615	2.7274	0.0053	3.6942	0.0529	-0.0478	0.0125	0.0176
1029	10.3	10.8	0.9606	2.7277	0.0051	3.6934	0.0558	-0.0558	0.0169	0.0168
1030	10.7	10.9	0.9587	2.7283	0.005	3.692	0.0624	-0.0568	0.0223	0.0278
1031	11.3	11	0.9573	2.7288	0.0049	3.691	0.0658	-0.0495	0.0212	0.0375
1032	11.1	11.1	0.9561	2.729	0.0049	3.6899	0.0636	-0.0452	0.0185	0.0369
1033	10.9	11.2	0.9566	2.7287	0.0048	3.6901	0.0707	-0.0479	0.0208	0.0435
1034	11.7	11.3	0.9574	2.728	0.0047	3.69	0.0916	-0.056	0.0232	0.0588
1035	11.1	11.5	0.958	2.7271	0.0048	3.6898	0.0983	-0.0457	0.0281	0.0806
1036	11.3	11.5	0.9584	2.7261	0.005	3.6895	0.0968	-0.025	0.0319	0.1037
1037	11	11.6	0.9589	2.7261	0.005	3.69	0.09	-0.0002	0.032	0.1218
1038	11.9	11.6	0.9584	2.7259	0.0052	3.6895	0.0862	0.0155	0.0277	0.1295
1039	12.3	11.7	0.9588	2.7261	0.0053	3.6902	0.0839	0.0238	0.0212	0.1289
1040	12.4	11.7	0.9601	2.7256	0.0056	3.6913	0.0847	0.0371	0.0139	0.1358
1041	12.5	11.7	0.96	2.7253	0.0055	3.6909	0.0799	0.0305	0.0062	0.1166
1042	12.6	11.7	0.9597	2.7256	0.0055	3.6908	0.078	0.0205	0.008	0.1065
1043	12.3	11.7	0.9594	2.7261	0.0054	3.6908	0.077	0.0184	0.0097	0.1052
1044	12.3	11.7	0.9596	2.7267	0.005	3.6913	0.0784	0.0081	0.0071	0.0937
1045	12	11.7	0.9608	2.7267	0.0046	3.6921	0.0785	-0.0027	0.011	0.0869
1046	11.4	11.7	0.9617	2.7262	0.0046	3.6925	0.0794	-0.0134	0.0152	0.0812
1047	11.1	11.7	0.9619	2.7254	0.0048	3.6921	0.0769	-0.0197	0.0161	0.0733
1048	11.7	11.6	0.9612	2.7254	0.0054	3.6919	0.0789	-0.0171	0.0158	0.0775
1049	11.4	11.5	0.9611	2.7258	0.0051	3.692	0.0847	-0.0095	0.0182	0.0934
1050	11.7	11.4	0.9615	2.7262	0.005	3.6927	0.0958	0.0049	0.0161	0.1169
1051	11	11.3	0.9616	2.7263	0.0051	3.693	0.1043	0.015	0.0184	0.1377
1052	11.1	11.2	0.9618	2.7268	0.0049	3.6935	0.0991	0.0188	0.0196	0.1374
1053	11.8	11.2	0.9618	2.727	0.0048	3.6936	0.0984	0.0251	0.0213	0.1447
1054	11.3	11.1	0.9616	2.7273	0.0049	3.6939	0.1009	0.0216	0.0197	0.1422
1055	10.7	11.1	0.9614	2.7277	0.0051	3.6942	0.0818	0.0107	0.017	0.1096
1056	10.5	11.1	0.9613	2.7286	0.0052	3.695	0.0705	-0.0002	0.0166	0.0869
1057	10.4	11.1	0.9607	2.7296	0.0051	3.6955	0.0752	-0.01	0.0158	0.081
1058	11	11	0.96	2.7304	0.0051	3.6955	0.0771	-0.0107	0.0124	0.0788
1059	10.5	11	0.959	2.7306	0.0051	3.6947	0.0767	-0.0101	0.009	0.0755
1060	10.3	11	0.9579	2.7307	0.0049	3.6935	0.075	-0.0063	0.0126	0.0814
1061	11.2	11	0.9568	2.7311	0.0046	3.6925	0.0749	-0.0141	0.0125	0.0733
1062	10.5	11	0.9553	2.7312	0.0046	3.6912	0.0744	-0.0198	0.0114	0.066
1063	11.4	10.9	0.9537	2.7308	0.0048	3.6893	0.0741	-0.0321	0.0101	0.0521
1064	11.2	10.9	0.9523	2.731	0.0042	3.6875	0.0805	-0.0447	0.0119	0.0478

1065	11.3	11	0.9518	2.731	0.0042	3.6871	0.0832	-0.0486	0.0065	0.0411
1066	11.1	11	0.9513	2.7303	0.0039	3.6855	0.0803	-0.0547	0.0022	0.0278
1067	11.2	11.1	0.9514	2.7292	0.0036	3.6842	0.0838	-0.0595	0.002	0.0263
1068	11.1	11.1	0.952	2.729	0.0034	3.6844	0.0909	-0.0588	0.0077	0.0398
1069	10.7	11.1	0.9526	2.729	0.0033	3.6849	0.0837	-0.0568	0.0114	0.0382
1070	11.2	11.1	0.953	2.7276	0.0027	3.6833	0.08	-0.0446	0.0146	0.05
1071	10.9	11.1	0.9548	2.7264	0.0026	3.6838	0.0745	-0.0316	0.0185	0.0614
1072	10.9	11.1	0.9556	2.725	0.0032	3.6838	0.0731	-0.0182	0.0187	0.0736
1073	11.4	11.1	0.9559	2.7232	0.0038	3.6829	0.0822	-0.0121	0.0192	0.0892
1074	11.1	11	0.9561	2.7232	0.0044	3.6837	0.0855	-0.0085	0.0221	0.0991
1075	11.6	10.9	0.9562	2.7243	0.0043	3.6849	0.0891	-0.001	0.026	0.1141
1076	11.6	10.8	0.9567	2.7257	0.0045	3.6868	0.0786	0.0095	0.0257	0.1137
1077	11.1	10.8	0.9569	2.7258	0.0044	3.6872	0.0686	0.0044	0.0271	0.1001
1078	10.8	10.8	0.9567	2.7265	0.0041	3.6873	0.0712	0.0071	0.0278	0.1061
1079	10.4	10.7	0.9562	2.7272	0.0037	3.687	0.0681	0.0158	0.0193	0.1032
1080	10.7	10.7	0.9556	2.7269	0.0035	3.6861	0.0554	0.0251	0.0117	0.0922
1081	11.3	10.7	0.9553	2.7267	0.0037	3.6857	0.0295	0.0295	0.0077	0.0667
1082	10.6	10.7	0.9548	2.7272	0.0035	3.6855	0.0118	0.0294	0.0036	0.0448
1083	9.86	10.6	0.953	2.7285	0.0033	3.6848	-0.003	0.0302	0.0035	0.0307
1084	9.61	10.6	0.9523	2.7285	0.003	3.6837	-0.0007	0.0248	0.0038	0.028
1085	10.1	10.6	0.9521	2.7278	0.0028	3.6826	0.0055	0.0156	0.0047	0.0258
1086	10.3	10.5	0.9524	2.7263	0.0026	3.6813	0.0114	0.008	0.0099	0.0292
1087	10.3	10.5	0.9523	2.7252	0.0027	3.6803	0.0162	-0.0049	0.0144	0.0256
1088	10.3	10.4	0.9522	2.7249	0.0031	3.6802	0.0269	-0.0116	0.015	0.0303
1089	10.4	10.4	0.9525	2.7243	0.0037	3.6805	0.0266	-0.0209	0.023	0.0287
1090	10.7	10.3	0.9529	2.7249	0.0038	3.6816	0.0299	-0.0214	0.0263	0.0348
1091	10.9	10.2	0.9531	2.726	0.0035	3.6826	0.039	-0.0307	0.0337	0.0419
1092	10.8	10.2	0.9531	2.7261	0.0033	3.6826	0.0377	-0.0309	0.0303	0.0371
1093	10.3	10.2	0.9533	2.7263	0.0033	3.6828	0.0361	-0.022	0.0305	0.0446
1094	10.9	10.2	0.9534	2.7262	0.003	3.6826	0.0333	-0.0118	0.0298	0.0514
1095	10.6	10.2	0.9535	2.7261	0.0028	3.6824	0.0357	-0.0051	0.0259	0.0564
1096	10.2	10.3	0.954	2.7261	0.0029	3.683	0.0466	-0.0002	0.0188	0.0651
1097	10	10.3	0.9538	2.7257	0.003	3.6824	0.0565	0.0007	0.0167	0.074
1098	9.22	10.3	0.953	2.7254	0.0028	3.6812	0.0577	-0.0061	0.0188	0.0704
1099	9.62	10.3	0.9518	2.7251	0.0029	3.6797	0.052	-0.0077	0.0251	0.0693
1100	9.64	10.3	0.9508	2.7249	0.0028	3.6785	0.0537	-0.0023	0.0247	0.076
1101	9.41	10.3	0.9504	2.7249	0.0028	3.6781	0.0645	0.0011	0.0213	0.0869

1102	9.89	10.3	0.9501	2.7252	0.0027	3.6779	0.0694	-0.0041	0.0239	0.0891
1103	10.5	10.2	0.9496	2.7254	0.0025	3.6776	0.0783	0.0022	0.0256	0.106
1104	10.2	10.2	0.9499	2.7259	0.0027	3.6785	0.0814	0.0046	0.0252	0.1112
1105	11.1	10.2	0.9499	2.7257	0.0023	3.678	0.0826	0.0244	0.0246	0.1316
1106	11.1	10.2	0.9491	2.7258	0.0023	3.6772	0.0847	0.0319	0.0232	0.1398
1107	10.7	10.2	0.9498	2.7251	0.0023	3.6773	0.0835	0.0454	0.0232	0.152
1108	10.8	10.2	0.9502	2.7244	0.0026	3.6772	0.0729	0.0578	0.0212	0.1519
1109	10.4	10.3	0.9504	2.7237	0.0027	3.6768	0.062	0.0689	0.0181	0.149
1110	9.99	10.2	0.9504	2.7236	0.0032	3.6772	0.0495	0.0692	0.0163	0.135
1111	10.3	10.2	0.9506	2.7236	0.0036	3.6778	0.0367	0.0658	0.0126	0.1151
1112	9.99	10.2	0.9509	2.7242	0.0037	3.6788	0.0247	0.0639	0.0055	0.0941
1113	10.1	10.2	0.9513	2.7253	0.0037	3.6803	0.0085	0.0616	0.0053	0.0755
1114	10.5	10.2	0.9521	2.7257	0.0038	3.6817	-0.0103	0.0578	0.0046	0.0522
1115	10.1	10.1	0.9525	2.726	0.0042	3.6828	-0.0267	0.049	0.0008	0.0232
1116	10.4	10.1	0.9529	2.7257	0.0046	3.6832	-0.0355	0.0393	0.0049	0.0087
1117	10.1	10.1	0.953	2.7254	0.0043	3.6827	-0.0435	0.0307	0.0026	-0.0102
1118	9.66	9.98	0.9536	2.7261	0.0039	3.6837	-0.0451	0.0195	-0.0037	-0.0293
1119	9.12	9.95	0.9538	2.7263	0.0034	3.6835	-0.0402	0.0171	-0.0043	-0.0275
1120	9.43	9.93	0.9544	2.7263	0.0031	3.6837	-0.0331	0.0116	-0.004	-0.0255
1121	9.8	9.91	0.9546	2.7261	0.0029	3.6836	-0.0292	-0.0034	-0.0111	-0.0437
1122	9.92	9.9	0.9543	2.726	0.0028	3.683	-0.0187	-0.0112	-0.0114	-0.0413
1123	10.1	9.91	0.9542	2.7257	0.0026	3.6826	-0.0208	-0.0254	-0.0043	-0.0505
1124	10.3	9.88	0.9541	2.7253	0.0025	3.6819	-0.0235	-0.0478	0.0033	-0.068
1125	10	9.85	0.9547	2.7248	0.0026	3.6821	-0.0199	-0.0489	0.0098	-0.0589
1126	10.2	9.81	0.9552	2.7254	0.0028	3.6834	-0.0119	-0.0491	0.0095	-0.0515
1127	9.18	9.79	0.955	2.7259	0.0027	3.6836	0.0031	-0.0379	0.0116	-0.0233
1128	9.89	9.8	0.9547	2.7258	0.0034	3.6839	0.0085	-0.0426	0.0134	-0.0207
1129	9.61	9.85	0.9551	2.7252	0.0039	3.6842	0.0128	-0.0448	0.0123	-0.0197
1130	9.86	9.89	0.9558	2.7253	0.0043	3.6854	0.0128	-0.034	0.011	-0.0102
1131	9.8	9.88	0.9561	2.7259	0.0045	3.6865	0.007	-0.0354	0.0116	-0.0167
1132	10.3	9.89	0.9564	2.7259	0.0045	3.6869	0.0089	-0.039	0.0146	-0.0156
1133	9.82	9.87	0.9566	2.7262	0.0045	3.6873	0.0065	-0.0318	0.0147	-0.0107
1134	9.66	9.82	0.9569	2.7264	0.0042	3.6874	-0.0049	-0.0142	0.0131	-0.0061
1135	9.52	9.81	0.9568	2.7263	0.0038	3.6869	-0.0085	-0.016	0.0099	-0.0146
1136	9.88	9.81	0.9567	2.7266	0.0035	3.6869	-0.0084	-0.0271	0.0106	-0.025
1137	9.72	9.84	0.9562	2.7273	0.0035	3.6869	0.0001	-0.0403	0.0072	-0.033
1138	10.1	9.84	0.9557	2.728	0.0029	3.6866	0.0022	-0.0505	0.0121	-0.0362

1139	10.2	9.87	0.9558	2.7282	0.0027	3.6867	0.0078	-0.0584	0.0173	-0.0333
1140	9.76	9.9	0.9562	2.7287	0.0022	3.6871	0.0154	-0.0608	0.0252	-0.0203
1141	9.99	9.93	0.9563	2.7284	0.0025	3.6872	0.0233	-0.0462	0.0298	0.007
1142	9.66	9.94	0.9561	2.7278	0.0025	3.6863	0.0295	-0.0215	0.0265	0.0344
1143	9.39	9.96	0.9561	2.7273	0.0024	3.6857	0.0329	-0.008	0.0237	0.0486
1144	10	9.99	0.956	2.7272	0.0024	3.6856	0.0394	-0.004	0.0243	0.0597
1145	10.2	10	0.9561	2.7268	0.0027	3.6855	0.0389	-0.0067	0.0207	0.0529
1146	9.7	10.1	0.9561	2.7262	0.0029	3.6851	0.0443	-0.008	0.0146	0.0509
1147	9.96	10.1	0.9561	2.726	0.003	3.6851	0.0508	-0.0094	0.0123	0.0537
1148	10.1	10.1	0.956	2.7262	0.0028	3.685	0.0546	-0.0174	0.0105	0.0477
1149	10.4	10.1	0.9557	2.726	0.0026	3.6844	0.0398	-0.0179	0.0048	0.0267
1150	10.4	10.1	0.9551	2.7261	0.0029	3.684	0.0141	-0.0113	0.0005	0.0033
1151	10.6	10.1	0.9547	2.7267	0.0027	3.6841	0.0009	-0.0079	-0.0044	-0.0114
1152	10.1	10.1	0.954	2.7265	0.0024	3.6829	-0.0001	-0.0063	-0.0069	-0.0133
1153	10.3	10.2	0.9537	2.7265	0.0023	3.6825	-0.0011	-0.0075	-0.0088	-0.0174
1154	10.6	10.2	0.9534	2.7248	0.0025	3.6807	-0.0086	-0.0077	-0.0097	-0.026
1155	10.3	10.1	0.9529	2.7245	0.0027	3.6802	-0.0083	-0.0066	-0.0051	-0.0199
1156	10.4	10.1	0.9529	2.7241	0.0028	3.6798	-0.0096	-0.0074	-0.0058	-0.0229
1157	10.4	10.1	0.9534	2.7238	0.003	3.6803	-0.0179	-0.0111	-0.0043	-0.0332
1158	10.1	10.1	0.9538	2.7236	0.0033	3.6806	-0.0079	-0.0214	-0.0047	-0.0339
1159	9.8	10.1	0.9541	2.7237	0.0035	3.6812	-0.0038	-0.0273	0.0021	-0.029
1160	9.79	10.1	0.9542	2.7241	0.0037	3.682	-0.0096	-0.036	0.006	-0.0396
1161	10	10	0.9543	2.7247	0.004	3.6831	-0.0141	-0.0431	0.0095	-0.0477
1162	10.2	10	0.9545	2.7251	0.0041	3.6837	-0.0169	-0.0477	0.0127	-0.0519
1163	9.7	10	0.9547	2.725	0.0043	3.684	-0.0178	-0.0399	0.0164	-0.0413
1164	9.46	9.94	0.955	2.7261	0.0041	3.6852	-0.0202	-0.0251	0.0179	-0.0274
1165	10.2	9.94	0.9554	2.7271	0.0037	3.6862	-0.0176	-0.0128	0.021	-0.0095
1166	9.6	9.94	0.9557	2.7272	0.0037	3.6865	-0.0187	-0.0055	0.0228	-0.0014
1167	9.99	9.93	0.9559	2.7273	0.004	3.6871	-0.02	-0.0079	0.0262	-0.0018
1168	10	9.94	0.956	2.7273	0.0038	3.6871	-0.0197	-0.0054	0.02	-0.0051
1169	10	9.95	0.9559	2.7278	0.0037	3.6875	-0.0041	0.0086	0.0137	0.0181
1170	9.92	9.99	0.956	2.728	0.0038	3.6877	0.001	0.01	0.0074	0.0184
1171	9.46	10	0.9567	2.7275	0.0037	3.6879	0.0071	0.0002	0.0074	0.0147
1172	10	9.98	0.9577	2.7276	0.0036	3.6888	0.0185	-0.0105	0.0109	0.0188
1173	9.38	10	0.9583	2.728	0.0035	3.6897	0.0099	-0.0198	0.0108	0.001
1174	10.4	10	0.9581	2.7281	0.0034	3.6896	0.0076	-0.0327	0.0065	-0.0186
1175	10.5	10	0.9574	2.7292	0.0034	3.69	0.007	-0.0386	0.0011	-0.0305

1176	10.1	10.1	0.9564	2.7295	0.0033	3.6892	0.0157	-0.0453	-0.0017	-0.0313
1177	10.4	10.1	0.9561	2.7301	0.0031	3.6892	0.0254	-0.0353	-0.005	-0.0149
1178	10.1	10.1	0.9554	2.731	0.0029	3.6893	0.0219	-0.0367	-0.0066	-0.0214
1179	10.4	10.1	0.9549	2.7306	0.0026	3.6881	0.0166	-0.0481	0.0033	-0.0281
1180	10.2	10.1	0.9549	2.7305	0.0023	3.6877	0.0215	-0.0585	0.0093	-0.0277
1181	9.84	10.1	0.9545	2.7306	0.0022	3.6873	0.0359	-0.0595	0.0126	-0.011
1182	10.3	10.2	0.9541	2.7304	0.0021	3.6866	0.05	-0.052	0.012	0.01
1183	9.95	10.2	0.9535	2.7299	0.002	3.6854	0.0533	-0.0585	0.0128	0.0076
1184	9.97	10.1	0.9531	2.7301	0.002	3.6852	0.054	-0.0545	0.0092	0.0087
1185	10.7	10.1	0.9529	2.7305	0.0017	3.6851	0.0542	-0.0579	0.0055	0.0019
1186	10.2	10.1	0.9524	2.7303	0.0019	3.6846	0.0548	-0.0633	0.0037	-0.0049
1187	10.4	10	0.9521	2.7303	0.0015	3.6839	0.0567	-0.0563	0.0029	0.0034
1188	10	10	0.9515	2.7307	0.0014	3.6836	0.0512	-0.0469	0.0015	0.0059
1189	9.96	10	0.951	2.7304	0.0011	3.6825	0.0439	-0.0415	-0.0055	-0.0031
1190	10	9.99	0.9506	2.7295	0.0008	3.6809	0.0396	-0.0393	-0.0079	-0.0076
1191	10.2	9.99	0.9501	2.7282	0.0009	3.6792	0.0453	-0.0383	-0.0122	-0.0052
1192	9.76	9.98	0.9498	2.7269	0.001	3.6777	0.0529	-0.0438	-0.0068	0.0023
1193	9.72	9.98	0.9493	2.7267	0.0009	3.6769	0.0637	-0.0488	-0.0062	0.0086
1194	9.59	9.98	0.9495	2.7269	0.001	3.6773	0.0692	-0.0499	-0.0091	0.0103
1195	9.45	9.95	0.9491	2.7269	0.0013	3.6773	0.0729	-0.0457	-0.0083	0.0189
1196	9.44	9.94	0.9489	2.727	0.0017	3.6776	0.0763	-0.0471	-0.0051	0.0241
1197	10.1	9.9	0.9483	2.7274	0.0019	3.6776	0.0842	-0.0462	-0.0029	0.0351
1198	10.5	9.86	0.949	2.7272	0.0024	3.6785	0.1001	-0.0382	-0.002	0.0599
1199	9.75	9.81	0.9504	2.7262	0.0028	3.6794	0.0951	-0.027	-0.0055	0.0625
1200	9.83	9.74	0.9507	2.7256	0.0033	3.6797	0.0833	-0.0243	-0.0069	0.0521
1201	10.1	9.66	0.9504	2.7255	0.0035	3.6794	0.0702	-0.024	-0.0024	0.0439
1202	9.94	9.62	0.9502	2.7259	0.0036	3.6797	0.0665	-0.0169	-0.003	0.0466
1203	9.99	9.61	0.9505	2.7262	0.0035	3.6802	0.0589	-0.0166	-0.0079	0.0344
1204	10.1	9.59	0.9507	2.7266	0.0032	3.6805	0.0546	-0.0173	-0.0091	0.0282
1205	9.93	9.6	0.9509	2.7265	0.0029	3.6803	0.0548	-0.0369	-0.0064	0.0115
1206	9.8	9.59	0.9509	2.7269	0.0027	3.6805	0.0592	-0.0452	0.0008	0.0148
1207	9.23	9.59	0.9506	2.7273	0.0028	3.6807	0.0688	-0.0541	0.0034	0.0181
1208	8.97	9.6	0.9506	2.7271	0.0024	3.6801	0.0706	-0.0566	0.006	0.02
1209	8.6	9.64	0.9513	2.7273	0.0021	3.6808	0.0803	-0.0604	0.008	0.0279
1210	8.82	9.66	0.9518	2.7279	0.0022	3.6819	0.0802	-0.0584	0.0105	0.0323
1211	8.93	9.64	0.9523	2.7284	0.0023	3.683	0.0759	-0.0559	0.0113	0.0313
1212	9.48	9.63	0.9526	2.7282	0.0021	3.6829	0.0669	-0.0522	0.0145	0.0292

1213	9.33	9.62	0.9533	2.7278	0.0019	3.683	0.0685	-0.0541	0.0146	0.029
1214	9.5	9.61	0.9538	2.727	0.0017	3.6826	0.0721	-0.0689	0.0145	0.0177
1215	9.36	9.59	0.9544	2.7266	0.0019	3.683	0.0757	-0.0662	0.0109	0.0205
1216	10.1	9.56	0.9549	2.7265	0.002	3.6834	0.0823	-0.0612	0.0076	0.0287
1217	10.7	9.55	0.955	2.7259	0.0023	3.6832	0.0899	-0.0585	0.0083	0.0397
1218	10.4	9.55	0.954	2.7253	0.0026	3.6819	0.0977	-0.0554	0.0116	0.0539
1219	10.3	9.59	0.9537	2.7253	0.0027	3.6817	0.0991	-0.0516	0.0135	0.061
1220	9.64	9.66	0.9536	2.7263	0.0024	3.6823	0.0946	-0.0418	0.0187	0.0715
1221	9.65	9.7	0.9528	2.7272	0.0018	3.6817	0.0925	-0.0394	0.0225	0.0755
1222	9.93	9.73	0.9533	2.7279	0.0017	3.6829	0.095	-0.0456	0.0168	0.0662
1223	9.82	9.79	0.9535	2.729	0.002	3.6845	0.108	-0.0434	0.0111	0.0757
1224	9.55	9.86	0.9534	2.7292	0.0024	3.685	0.1211	-0.0421	0.0087	0.0877
1225	9.38	9.91	0.9531	2.7294	0.0028	3.6853	0.1307	-0.0477	0.0043	0.0873
1226	8.95	9.9	0.9527	2.7289	0.0033	3.6849	0.1309	-0.0432	0.001	0.0886
1227	9.02	9.87	0.9528	2.7295	0.0034	3.6857	0.1152	-0.0399	0.0018	0.0771
1228	9.39	9.87	0.953	2.7306	0.0031	3.6867	0.0913	-0.0404	0.0022	0.053
1229	10	9.87	0.9529	2.731	0.003	3.687	0.0567	-0.0333	0.001	0.0245
1230	9.66	9.88	0.9522	2.7313	0.003	3.6865	0.0498	-0.0438	-0.002	0.004
1231	10.1	9.86	0.9511	2.7311	0.0033	3.6855	0.0487	-0.0566	-0.0059	-0.0138
1232	10.4	9.82	0.9511	2.7318	0.0032	3.6861	0.0402	-0.0631	-0.0073	-0.0303
1233	10.8	9.83	0.9512	2.7317	0.0035	3.6864	0.0348	-0.0735	-0.0114	-0.0501
1234	10.3	9.83	0.9514	2.7322	0.0036	3.6873	0.0291	-0.0876	-0.0163	-0.0747
1235	9.91	9.86	0.9514	2.7326	0.0034	3.6874	0.0262	-0.0945	-0.0179	-0.0862
1236	10.2	9.92	0.9511	2.7323	0.0032	3.6866	0.0308	-0.0931	-0.0219	-0.0841
1237	10.4	9.96	0.951	2.7319	0.0033	3.6863	0.0381	-0.097	-0.0202	-0.0791
1238	10.3	9.99	0.9514	2.7322	0.0035	3.687	0.0399	-0.096	-0.0239	-0.08
1239	9.93	9.99	0.9518	2.7321	0.0035	3.6875	0.0403	-0.0975	-0.023	-0.0802
1240	9.23	10	0.9517	2.7325	0.0034	3.6876	0.0445	-0.0995	-0.0246	-0.0795
1241	9.22	10	0.951	2.7328	0.0032	3.687	0.0481	-0.1065	-0.0287	-0.0871
1242	10	10	0.9497	2.7326	0.0031	3.6855	0.0503	-0.1239	-0.0287	-0.1023
1243	9.52	10	0.9491	2.7322	0.0033	3.6847	0.0536	-0.1431	-0.0279	-0.1174
1244	9.85	9.98	0.9487	2.7318	0.0032	3.6837	0.056	-0.1507	-0.0309	-0.1256
1245	10.1	9.98	0.9485	2.7315	0.0032	3.6831	0.0656	-0.1516	-0.0318	-0.1177
1246	9.9	9.95	0.9477	2.7308	0.0032	3.6816	0.0587	-0.152	-0.0256	-0.1189
1247	9.83	9.91	0.9461	2.7298	0.0032	3.6791	0.0501	-0.1478	-0.022	-0.1196
1248	10.1	9.86	0.9465	2.7289	0.0034	3.6787	0.0414	-0.1422	-0.0242	-0.1249
1249	10.6	9.85	0.9474	2.7285	0.0033	3.6792	0.0443	-0.1443	-0.0187	-0.1187

1250	10.1	9.87	0.948	2.7285	0.0031	3.6796	0.0552	-0.1541	-0.0149	-0.1138
1251	10.3	9.9	0.948	2.7284	0.003	3.6794	0.0534	-0.1615	-0.0091	-0.1172
1252	10.6	9.91	0.9481	2.7282	0.0032	3.6795	0.0443	-0.1641	-0.0058	-0.1256
1253	9.53	9.93	0.9482	2.7283	0.0032	3.6797	0.033	-0.1594	-0.0071	-0.1335
1254	9.85	9.92	0.9479	2.7285	0.0031	3.6795	0.0249	-0.1553	-0.0057	-0.1361
1255	9.73	9.9	0.947	2.729	0.0027	3.6787	0.0228	-0.1511	-0.0087	-0.1369
1256	9.6	9.86	0.9461	2.7295	0.0025	3.678	0.0309	-0.1528	-0.0118	-0.1337
1257	9.39	9.85	0.9464	2.7295	0.0024	3.6783	0.0385	-0.147	-0.0132	-0.1217
1258	9.62	9.84	0.9457	2.7296	0.0025	3.6778	0.0408	-0.1417	-0.0121	-0.113
1259	9.6	9.78	0.9461	2.7295	0.0024	3.678	0.0405	-0.1399	-0.0148	-0.1142
1260	9.89	9.73	0.9466	2.7297	0.0025	3.6788	0.0391	-0.1321	-0.0169	-0.1099
1261	10.2	9.72	0.9476	2.7299	0.0026	3.6801	0.0376	-0.1249	-0.0149	-0.1023
1262	9.91	9.64	0.9476	2.7305	0.0026	3.6808	0.0453	-0.1185	-0.0147	-0.0879
1263	9.7	9.61	0.9475	2.7319	0.0028	3.6823	0.0541	-0.1219	-0.0155	-0.0833
1264	9.67	9.58	0.9474	2.7327	0.0031	3.6831	0.0706	-0.1281	-0.0159	-0.0733
1265	9.26	9.55	0.9471	2.7332	0.003	3.6833	0.082	-0.1337	-0.0176	-0.0694
1266	9.47	9.51	0.9467	2.733	0.0028	3.6825	0.0937	-0.1386	-0.0167	-0.0616
1267	9.95	9.49	0.9461	2.7328	0.0028	3.6817	0.1101	-0.1425	-0.0176	-0.05
1268	9.45	9.47	0.9461	2.7325	0.0025	3.681	0.1228	-0.1467	-0.0159	-0.0398
1269	9.13	9.45	0.9465	2.732	0.0018	3.6803	0.1148	-0.1519	-0.0155	-0.0527
1270	10.2	9.4	0.9467	2.7319	0.0015	3.6801	0.1165	-0.1527	-0.0136	-0.0498
1271	9.18	9.35	0.9472	2.7321	0.002	3.6813	0.1171	-0.1416	-0.0144	-0.0389
1272	8.94	9.3	0.9469	2.7319	0.0025	3.6813	0.1038	-0.1298	-0.0198	-0.0458
1273	9.22	9.26	0.9462	2.7322	0.0026	3.681	0.104	-0.1178	-0.0197	-0.0336
1274	9.13	9.25	0.945	2.7329	0.003	3.6809	0.1047	-0.1043	-0.0154	-0.0151
1275	8.92	9.25	0.9443	2.7335	0.0033	3.6811	0.1014	-0.1005	-0.0114	-0.0106
1276	8.99	9.25	0.9448	2.7334	0.0032	3.6814	0.1055	-0.0959	-0.0087	0.0008
1277	9.29	9.22	0.9469	2.7341	0.0029	3.6839	0.1149	-0.0916	-0.0042	0.0191
1278	9.23	9.19	0.9497	2.7343	0.0028	3.6868	0.1242	-0.0876	-0.0043	0.0324
1279	8.95	9.2	0.95	2.7349	0.0028	3.6877	0.1199	-0.079	-0.0072	0.0337
1280	9.08	9.14	0.9501	2.7361	0.0029	3.6891	0.1234	-0.0735	-0.0077	0.0422
1281	9	9.11	0.9504	2.7369	0.0029	3.6903	0.1202	-0.0717	-0.0057	0.0427
1282	9.01	9.11	0.9506	2.7378	0.0032	3.6916	0.1067	-0.0753	-0.002	0.0294
1283	9.46	9.11	0.9506	2.7387	0.0036	3.6929	0.1108	-0.0687	-0.0032	0.0389
1284	9.19	9.14	0.9505	2.7395	0.0038	3.6938	0.1249	-0.0658	-0.0002	0.0589
1285	9.44	9.2	0.9498	2.7398	0.0039	3.6935	0.1344	-0.0512	0.0039	0.0871
1286	9.39	9.27	0.9486	2.74	0.0039	3.6925	0.14	-0.042	0.0057	0.1037

1287	8.9	9.35	0.9481	2.7399	0.0039	3.6919	0.1401	-0.0311	0.0062	0.1152
1288	9.25	9.46	0.9474	2.7405	0.0037	3.6916	0.138	-0.0254	0.0058	0.1184
1289	9.11	9.6	0.9465	2.7403	0.0036	3.6904	0.1351	-0.0062	0.0047	0.1336
1290	8.69	9.73	0.9458	2.7402	0.0037	3.6896	0.1344	0.0012	0.004	0.1396
1291	8.84	9.83	0.9451	2.7406	0.0037	3.6894	0.1252	0.0175	0.0046	0.1472
1292	9.29	9.95	0.9445	2.7412	0.0037	3.6894	0.1106	0.0232	0.0048	0.1385
1293	9.64	10	0.9437	2.7417	0.004	3.6894	0.0907	0.0232	0.0047	0.1185
1294	10	10.1	0.9429	2.742	0.0041	3.6891	0.0809	0.0246	0.0082	0.1137
1295	10.4	10.2	0.9432	2.7421	0.0039	3.6892	0.0728	0.0278	0.0053	0.1058
1296	10.7	10.2	0.9439	2.7418	0.0039	3.6895	0.0702	0.0287	0.0035	0.1024
1297	11.4	10.3	0.9442	2.7416	0.0043	3.6901	0.0605	0.0191	0.0023	0.0819
1298	11.6	10.4	0.9446	2.7416	0.0042	3.6904	0.0407	0.0025	0.001	0.0443
1299	11.5	10.5	0.9449	2.7416	0.0043	3.6908	0.0462	-0.0137	0.0023	0.0348
1300	11	10.6	0.9454	2.7418	0.0042	3.6914	0.0593	-0.0224	0.0035	0.0404
1301	11.3	10.7	0.946	2.7419	0.0041	3.692	0.0702	-0.0325	0.0037	0.0414
1302	10.9	10.8	0.9469	2.7419	0.0043	3.693	0.0688	-0.0404	0.0021	0.0306
1303	10.8	10.8	0.948	2.7417	0.0041	3.6938	0.0611	-0.0536	0.0086	0.0162
1304	10.7	10.9	0.9485	2.7417	0.004	3.6942	0.057	-0.0525	0.0154	0.0199
1305	10.6	10.8	0.9478	2.7418	0.0041	3.6936	0.0528	-0.0531	0.0163	0.0161
1306	10.7	10.8	0.9471	2.7416	0.0041	3.6927	0.0439	-0.0433	0.0132	0.0138
1307	11	10.7	0.9465	2.7414	0.004	3.692	0.0326	-0.0318	0.0131	0.014
1308	10.6	10.6	0.9466	2.7411	0.0039	3.6915	0.0349	-0.0235	0.0105	0.0218
1309	10.7	10.5	0.9474	2.7406	0.0038	3.6918	0.0332	-0.0177	0.0109	0.0264
1310	10.9	10.5	0.948	2.7404	0.0037	3.6922	0.0396	-0.0195	0.0097	0.0298
1311	11.1	10.4	0.9477	2.7402	0.0038	3.6918	0.0482	-0.0218	0.0131	0.0395
1312	10.2	10.4	0.9472	2.7404	0.0036	3.6912	0.0593	-0.0185	0.015	0.0557
1313	10.5	10.3	0.9463	2.7406	0.0035	3.6904	0.0586	-0.0074	0.0162	0.0674
1314	9.77	10.2	0.9457	2.7404	0.0035	3.6896	0.0553	0.0167	0.0184	0.0904
1315	9.93	10.2	0.945	2.7405	0.0036	3.6891	0.0502	0.0266	0.0178	0.0947
1316	10.4	10.1	0.9439	2.7408	0.0037	3.6884	0.0454	0.0441	0.0167	0.1062
1317	9.45	10.1	0.9427	2.7406	0.0039	3.6872	0.0347	0.0528	0.0159	0.1034
1318	9.44	10.1	0.9425	2.7405	0.0041	3.6871	0.0286	0.0558	0.011	0.0954
1319	9.82	10.1	0.9421	2.7406	0.0041	3.6867	0.0246	0.0553	0.0068	0.0867
1320	10.3	10.1	0.9419	2.7404	0.0038	3.6861	0.0225	0.0492	-0.0017	0.07
1321	10.2	10	0.9424	2.7402	0.0038	3.6863	0.0182	0.0457	-0.0044	0.0595
1322	9.65	10	0.9429	2.7397	0.0036	3.6862	0.0175	0.0455	0.0014	0.0644
1323	9.33	9.98	0.943	2.7394	0.0035	3.686	0.0101	0.0396	0.0056	0.0552

1324	9.65	9.99	0.9433	2.7392	0.0035	3.6861	0.0032	0.0376	0.007	0.0477
1325	9.75	9.98	0.9426	2.7389	0.0037	3.6852	-0.0074	0.0392	0.0107	0.0425
1326	9.95	9.95	0.9412	2.7381	0.0037	3.683	-0.0142	0.0385	0.0147	0.039
1327	10.7	9.96	0.9404	2.7383	0.0038	3.6825	-0.0086	0.0269	0.0136	0.0319
1328	10.9	9.99	0.9411	2.7385	0.0038	3.6834	0.0098	0.0254	0.0131	0.0484
1329	10.2	10	0.9406	2.7384	0.0038	3.6828	0.0374	0.0265	0.0134	0.0773
1330	10.2	10	0.9402	2.7385	0.0036	3.6822	0.0427	0.0264	0.0136	0.0827
1331	10	10	0.9404	2.7386	0.0035	3.6826	0.0457	0.0347	0.0156	0.096
1332	10	10	0.94	2.7387	0.0035	3.6822	0.0485	0.0407	0.0195	0.1087
1333	9.98	10.1	0.9387	2.7382	0.0035	3.6805	0.0512	0.0561	0.0232	0.1305
1334	9.74	10	0.938	2.7373	0.0033	3.6785	0.0486	0.069	0.0286	0.1462
1335	9.75	10	0.9374	2.7368	0.0028	3.677	0.0421	0.0859	0.0309	0.159
1336	9.63	9.98	0.937	2.7354	0.0026	3.675	0.0313	0.0968	0.0315	0.1595
1337	10.1	9.9	0.9373	2.7345	0.0028	3.6745	0.0161	0.104	0.0304	0.1506
1338	10.3	9.8	0.9378	2.7328	0.003	3.6736	0.0103	0.1097	0.0278	0.1478
1339	10.6	9.76	0.9384	2.732	0.0031	3.6735	0.0012	0.1195	0.0263	0.147
1340	10.2	9.71	0.9392	2.7308	0.003	3.6729	-0.0144	0.1158	0.0276	0.129
1341	9.71	9.66	0.9399	2.7305	0.0027	3.6731	-0.0239	0.1137	0.0278	0.1176
1342	9.75	9.61	0.9407	2.7303	0.0026	3.6736	-0.023	0.1129	0.0272	0.1172
1343	9.48	9.56	0.9411	2.7298	0.0025	3.6733	-0.0281	0.1148	0.0266	0.1132
1344	9.29	9.57	0.9414	2.729	0.0027	3.6731	-0.0282	0.1056	0.0297	0.1072
1345	9.06	9.55	0.9415	2.7286	0.0028	3.6729	-0.0318	0.0965	0.0327	0.0974
1346	9.23	9.58	0.9416	2.7289	0.003	3.6734	-0.0253	0.0934	0.0329	0.1011
1347	9.11	9.59	0.942	2.7295	0.0031	3.6746	-0.0175	0.0869	0.0359	0.1053
1348	9.41	9.57	0.9419	2.7302	0.0032	3.6752	-0.0157	0.0831	0.0418	0.1092
1349	9.21	9.52	0.9415	2.7307	0.003	3.6751	-0.0108	0.0872	0.0402	0.1166
1350	9.11	9.49	0.941	2.7317	0.0027	3.6755	-0.0067	0.0912	0.0397	0.1242
1351	8.95	9.47	0.9412	2.7324	0.0028	3.6764	-0.0076	0.0996	0.0373	0.1293
1352	9.04	9.46	0.942	2.7336	0.0023	3.6778	-0.0074	0.1038	0.033	0.1294
1353	9.91	9.48	0.9425	2.7335	0.0017	3.6777	-0.0061	0.1065	0.0301	0.1304
1354	9.41	9.5	0.9426	2.7338	0.0015	3.6779	0.0075	0.1102	0.0287	0.1464
1355	10.3	9.54	0.9426	2.7334	0.0013	3.6773	0.0188	0.0993	0.0293	0.1475
1356	10.1	9.56	0.9428	2.7327	0.0012	3.6766	0.0202	0.0878	0.0293	0.1373
1357	9.99	9.55	0.9429	2.7319	0.0014	3.6761	0.0079	0.0825	0.0307	0.1211
1358	9.62	9.54	0.9424	2.7314	0.0014	3.6752	0.0013	0.0875	0.0315	0.1203
1359	9.57	9.54	0.9421	2.7315	0.0014	3.675	0.005	0.0898	0.0318	0.1266
1360	9.37	9.58	0.9418	2.7319	0.0012	3.6749	0.0176	0.0926	0.0319	0.1421

1361	9.61	9.62	0.9417	2.7318	0.0011	3.6746	0.0315	0.0955	0.0317	0.1587
1362	9.72	9.67	0.9418	2.7312	0.001	3.674	0.0333	0.0961	0.0307	0.16
1363	9.7	9.66	0.942	2.7303	0.001	3.6732	0.0293	0.1043	0.0288	0.1624
1364	9.8	9.68	0.9424	2.73	0.0013	3.6736	0.02	0.1119	0.0273	0.1591
1365	9.59	9.63	0.9426	2.7288	0.0013	3.6727	0.0152	0.1118	0.0254	0.1524
1366	9.03	9.62	0.9432	2.7278	0.0012	3.6722	0.0131	0.1208	0.0289	0.1628
1367	9.25	9.6	0.9432	2.7272	0.0017	3.6722	-0.0003	0.1219	0.0312	0.1527
1368	9.2	9.57	0.9436	2.7269	0.0018	3.6723	-0.0137	0.1264	0.037	0.1497
1369	9.86	9.53	0.9442	2.7271	0.002	3.6733	-0.009	0.1278	0.0423	0.1611
1370	9.69	9.53	0.9449	2.7273	0.002	3.6742	-0.0102	0.1242	0.0412	0.1552
1371	10	9.51	0.9454	2.7275	0.0019	3.6749	-0.0118	0.1276	0.0375	0.1533
1372	9.75	9.51	0.9459	2.728	0.002	3.6758	-0.0122	0.1333	0.0399	0.1611
1373	9.71	9.48	0.9458	2.7284	0.0019	3.6762	-0.0117	0.1384	0.0405	0.1672
1374	9.45	9.47	0.9458	2.729	0.0019	3.6766	-0.0115	0.1439	0.0383	0.1707
1375	9.89	9.49	0.9457	2.7297	0.0018	3.6772	-0.009	0.1449	0.038	0.1739
1376	9.53	9.52	0.9457	2.7308	0.0018	3.6783	-0.0164	0.1421	0.0404	0.1661
1377	9.07	9.54	0.946	2.7316	0.0015	3.6791	-0.0322	0.1382	0.041	0.1469
1378	8.92	9.57	0.946	2.7317	0.0014	3.6791	-0.047	0.1386	0.0394	0.131
1379	9.27	9.55	0.9457	2.7323	0.0014	3.6794	-0.0498	0.1501	0.0344	0.1347
1380	9.3	9.51	0.9455	2.7326	0.0014	3.6795	-0.061	0.147	0.0287	0.1147
1381	9.75	9.47	0.9456	2.7329	0.001	3.6794	-0.069	0.1534	0.0248	0.1093
1382	9.15	9.46	0.9455	2.7322	0.0009	3.6786	-0.0727	0.1524	0.0255	0.1053
1383	9.48	9.42	0.9458	2.7317	0.0008	3.6783	-0.0828	0.1402	0.0289	0.0864
1384	10	9.39	0.9463	2.7309	0.0007	3.6779	-0.1009	0.1238	0.0305	0.0534
1385	9.68	9.37	0.9467	2.7301	0.0007	3.6776	-0.1148	0.1098	0.0256	0.0207
1386	9.56	9.38	0.947	2.7296	0.0009	3.6774	-0.1257	0.1106	0.0174	0.0022
1387	9.77	9.41	0.9471	2.7289	0.0011	3.6771	-0.1325	0.0934	0.0142	-0.0249
1388	9.54	9.45	0.9473	2.7285	0.0011	3.6769	-0.1337	0.0767	0.0162	-0.0408
1389	8.96	9.47	0.948	2.7287	0.0008	3.6775	-0.1315	0.0594	0.0182	-0.054
1390	9.15	9.48	0.9482	2.7288	0.0009	3.6779	-0.1285	0.0484	0.0182	-0.0619
1391	9.55	9.48	0.9474	2.7293	0.001	3.6777	-0.1191	0.0291	0.0176	-0.0724
1392	8.98	9.51	0.9473	2.7298	0.0011	3.6781	-0.1054	0.0149	0.0168	-0.0737
1393	8.77	9.52	0.9465	2.7312	0.001	3.6787	-0.0935	-0.0015	0.0154	-0.0796
1394	9.68	9.52	0.9461	2.7324	0.0009	3.6794	-0.0893	-0.0175	0.0157	-0.0912
1395	9.72	9.52	0.9457	2.7328	0.0006	3.6791	-0.0823	-0.0354	0.0193	-0.0984
1396	9.61	9.54	0.9456	2.7331	0.0003	3.679	-0.0818	-0.0491	0.018	-0.1129
1397	9.58	9.54	0.9457	2.7333	0.0001	3.6792	-0.0854	-0.043	0.0166	-0.1118

1398	9.65	9.53	0.9456	2.7329	0.0002	3.6787	-0.0821	-0.0364	0.016	-0.1026
1399	9.62	9.56	0.9456	2.7325	0.0003	3.6784	-0.083	-0.0313	0.0182	-0.0961
1400	9.66	9.57	0.9462	2.7318	0.0005	3.6785	-0.0868	-0.0297	0.0157	-0.1008
1401	9.77	9.56	0.9467	2.7315	0.0008	3.6791	-0.0919	-0.021	0.0118	-0.1011
1402	9.61	9.58	0.9475	2.7312	0.0013	3.68	-0.0876	-0.0137	0.0147	-0.0865
1403	9.96	9.63	0.9472	2.7307	0.0012	3.6792	-0.0727	-0.004	0.0128	-0.064
1404	9.79	9.62	0.9466	2.7317	0.0011	3.6794	-0.0651	0.0013	0.0078	-0.056
1405	9.86	9.64	0.9458	2.733	0.0012	3.6799	-0.0668	0.0149	0.0078	-0.0442
1406	9.78	9.62	0.9463	2.7334	0.001	3.6806	-0.0648	0.0067	0.0074	-0.0507
1407	9.32	9.65	0.9464	2.7327	0.0008	3.68	-0.0604	0.005	0.0091	-0.0462
1408	9.59	9.7	0.9461	2.7321	0.0007	3.6789	-0.0641	0.0045	0.0127	-0.047
1409	9.37	9.7	0.9457	2.7313	0.0006	3.6776	-0.0729	0.0082	0.0073	-0.0574
1410	9.26	9.72	0.9449	2.7308	0.0006	3.6763	-0.0714	0.0243	0.0051	-0.042
1411	9.38	9.73	0.9444	2.7306	0.0007	3.6758	-0.0699	0.0358	0.001	-0.0331
1412	9.74	9.75	0.9443	2.73	0.0007	3.675	-0.066	0.036	-0.002	-0.032
1413	9.57	9.76	0.9443	2.7294	0.0008	3.6745	-0.0574	0.0283	-0.0022	-0.0313
1414	10	9.77	0.9441	2.7292	0.001	3.6743	-0.0512	0.0168	-0.0014	-0.0357
1415	9.18	9.76	0.9437	2.7284	0.0007	3.6728	-0.0457	0.0093	-0.0008	-0.0373
1416	10.3	9.76	0.9439	2.7286	0.0006	3.6731	-0.0423	-0.0091	-0.0006	-0.052
1417	10.5	9.82	0.9441	2.728	0.0002	3.6722	-0.0284	-0.0282	0.0001	-0.0565
1418	9.58	9.83	0.9434	2.7277	-0.0001	3.671	-0.0263	-0.0455	0.0042	-0.0677
1419	10.1	9.82	0.9431	2.7281	-0.0001	3.6712	-0.021	-0.0499	0.003	-0.0679
1420	10	9.84	0.9431	2.7277	0	3.6708	-0.0175	-0.0489	0.0041	-0.0624
1421	9.97	9.84	0.9436	2.7268	-0.0002	3.6702	-0.013	-0.0456	0.0036	-0.055
1422	10	9.8	0.944	2.7259	-0.0004	3.6695	-0.0058	-0.0475	0.0018	-0.0514
1423	9.94	9.76	0.9442	2.725	-0.0003	3.6689	-0.0035	-0.0404	0.0005	-0.0434
1424	9.74	9.69	0.9442	2.7248	-0.0003	3.6687	-0.0092	-0.0305	0.0002	-0.0395
1425	9.81	9.67	0.9442	2.7247	-0.0004	3.6686	-0.0083	-0.0262	-0.0016	-0.0361
1426	10.4	9.59	0.9444	2.7243	-0.0004	3.6683	-0.0017	-0.0238	-0.0033	-0.0289
1427	9.85	9.53	0.9451	2.7244	-0.0001	3.6694	0.0001	-0.0136	-0.003	-0.0165
1428	9.15	9.54	0.946	2.7235	0.0004	3.6699	0.0061	-0.0021	-0.0061	-0.0021
1429	9.63	9.49	0.9467	2.7237	0.0009	3.6713	0.0087	-0.0025	-0.0102	-0.004
1430	9.34	9.45	0.9471	2.7231	0.0011	3.6713	0.007	-0.0043	-0.0107	-0.008
1431	9.05	9.42	0.9477	2.7234	0.0009	3.672	0.0021	-0.0058	-0.0111	-0.0149
1432	8.79	9.39	0.9483	2.7246	0.0006	3.6736	0.0018	-0.0091	-0.0135	-0.0208
1433	8.78	9.35	0.9488	2.7259	0.0005	3.6752	-0.0031	-0.0295	-0.0159	-0.0485
1434	8.77	9.32	0.9495	2.7263	0.0007	3.6765	0.0032	-0.0374	-0.0155	-0.0497

1435	8.72	9.29	0.9499	2.7258	0.0011	3.6768	0.013	-0.0498	-0.012	-0.0488
1436	9.33	9.19	0.9503	2.726	0.0012	3.6775	0.0198	-0.0618	-0.0094	-0.0514
1437	9.85	9.15	0.9506	2.7268	0.0011	3.6786	0.0204	-0.0674	-0.006	-0.053
1438	9.26	9.14	0.951	2.7268	0.0012	3.679	0.0209	-0.0752	-0.0008	-0.0551
1439	9.19	9.11	0.9512	2.7272	0.0013	3.6797	0.0277	-0.0758	0.0002	-0.048
1440	9.3	9.1	0.9511	2.7279	0.0012	3.6801	0.042	-0.0687	-0.0017	-0.0284
1441	9.53	9.12	0.9505	2.729	0.001	3.6805	0.0523	-0.0604	-0.0022	-0.0103
1442	9.16	9.15	0.95	2.7305	0.0011	3.6816	0.0493	-0.0526	-0.0011	-0.0044
1443	9.26	9.18	0.95	2.7315	0.0009	3.6824	0.0528	-0.0555	-0.0022	-0.0049
1444	9.09	9.23	0.9497	2.7326	0.0007	3.683	0.0485	-0.053	-0.0041	-0.0087
1445	8.63	9.25	0.9496	2.7335	0.001	3.6842	0.0429	-0.0464	-0.0039	-0.0074
1446	9	9.29	0.9502	2.7332	0.0013	3.6846	0.0384	-0.0459	-0.0059	-0.0134
1447	9	9.31	0.9503	2.7332	0.0015	3.6849	0.0392	-0.0312	-0.0073	0.0008
1448	9.07	9.37	0.9502	2.7333	0.0014	3.6849	0.0474	-0.02	-0.0076	0.0199
1449	9.14	9.4	0.9502	2.7337	0.0014	3.6852	0.0625	-0.0196	-0.0069	0.036
1450	9.34	9.41	0.9502	2.7338	0.0016	3.6856	0.0632	-0.011	-0.0026	0.0496
1451	9.36	9.4	0.9499	2.7338	0.0013	3.685	0.0651	-0.0128	-0.0003	0.052
1452	9.43	9.43	0.9492	2.734	0.001	3.6842	0.0628	-0.0031	0.0017	0.0614
1453	9.65	9.45	0.949	2.7334	0.0009	3.6833	0.0684	0	0.0025	0.0709
1454	9.21	9.48	0.9493	2.7324	0.0007	3.6823	0.0712	-0.0101	0.0025	0.0636
1455	10	9.52	0.9491	2.7327	0.0006	3.6824	0.0597	-0.0107	0.002	0.051
1456	10.3	9.57	0.9488	2.7321	0.0003	3.6813	0.0404	-0.0021	0.0039	0.0422
1457	10.3	9.63	0.9493	2.7314	0.0001	3.6808	0.0328	0.0019	0.0021	0.0368
1458	9.88	9.66	0.9497	2.7305	0.0007	3.6809	0.0338	-0.0058	0.0026	0.0307
1459	9.44	9.66	0.9492	2.729	0.0009	3.6792	0.0371	-0.0134	0.0012	0.0249
1460	9.43	9.64	0.9488	2.7283	0.0011	3.6782	0.04	-0.0185	0.0001	0.0216
1461	9.67	9.67	0.9483	2.7282	0.0013	3.6778	0.0271	-0.0235	-0.0033	0.0003
1462	9.55	9.68	0.9475	2.7284	0.0012	3.6772	0.011	-0.0207	-0.0028	-0.0125
1463	9.73	9.66	0.9471	2.7286	0.0011	3.6768	0.005	-0.0249	-0.0031	-0.023
1464	9.47	9.65	0.9469	2.7291	0.0014	3.6774	0.0047	-0.0247	-0.0066	-0.0265
1465	9.89	9.65	0.9468	2.7297	0.0014	3.6779	0.0038	-0.0255	-0.0077	-0.0294
1466	10	9.61	0.946	2.7306	0.0012	3.6778	0.0008	-0.0365	-0.0144	-0.0502
1467	9.69	9.55	0.9459	2.7318	0.0013	3.679	0.0021	-0.0374	-0.0154	-0.0507
1468	9.1	9.52	0.9457	2.7319	0.0015	3.6791	0.0066	-0.0491	-0.0226	-0.0651
1469	9.06	9.52	0.946	2.732	0.0016	3.6796	0.0026	-0.0554	-0.028	-0.0807
1470	9.91	9.54	0.9462	2.7319	0.0016	3.6797	0.0011	-0.0535	-0.027	-0.0794
1471	9.53	9.52	0.946	2.7323	0.0017	3.68	0.0028	-0.0609	-0.0255	-0.0836

1472	9.39	9.48	0.9462	2.732	0.0019	3.6801	0.009	-0.0723	-0.0243	-0.0876
1473	9.04	9.45	0.9468	2.7315	0.0019	3.6802	0.0179	-0.0859	-0.0269	-0.0948
1474	9.94	9.44	0.9466	2.7316	0.0021	3.6802	0.0157	-0.0907	-0.0203	-0.0953
1475	9.46	9.37	0.9459	2.7321	0.0022	3.6801	0.014	-0.1074	-0.018	-0.1114
1476	9.27	9.32	0.9457	2.7321	0.0021	3.6799	0.0133	-0.1049	-0.0145	-0.1061
1477	9.24	9.27	0.9454	2.7318	0.0021	3.6793	0.0188	-0.1006	-0.013	-0.0948
1478	9.55	9.26	0.9451	2.7319	0.0024	3.6795	0.023	-0.0917	-0.0107	-0.0793
1479	9.66	9.26	0.945	2.7327	0.0025	3.6802	0.0327	-0.0906	-0.0076	-0.0656
1480	9.4	9.23	0.9453	2.7332	0.0025	3.681	0.0415	-0.0854	-0.0062	-0.05
1481	8.82	9.25	0.9454	2.7338	0.0023	3.6815	0.0471	-0.0924	-0.0043	-0.0496
1482	9.11	9.26	0.9458	2.7351	0.0025	3.6834	0.0563	-0.0944	-0.003	-0.0411
1483	9.27	9.28	0.9454	2.7355	0.0023	3.6832	0.067	-0.0875	-0.0049	-0.0255
1484	8.55	9.27	0.945	2.7359	0.0019	3.6828	0.0712	-0.0734	-0.0046	-0.0068
1485	9.02	9.29	0.9447	2.7363	0.0017	3.6827	0.0766	-0.0655	-0.002	0.0091
1486	8.84	9.32	0.9449	2.7363	0.0015	3.6827	0.0797	-0.0593	0.0003	0.0206
1487	8.79	9.36	0.945	2.7364	0.0012	3.6826	0.0794	-0.052	-0.0008	0.0265
1488	9.08	9.39	0.9446	2.7361	0.001	3.6817	0.0903	-0.0479	0.0004	0.0428
1489	9.5	9.39	0.9438	2.7356	0.001	3.6804	0.1	-0.0394	-0.0038	0.0568
1490	9.83	9.43	0.943	2.7348	0.0011	3.6789	0.1035	-0.0338	-0.0083	0.0614
1491	9.48	9.48	0.9425	2.7346	0.0011	3.6781	0.1027	-0.0307	-0.0081	0.0639
1492	9.43	9.5	0.942	2.7353	0.0013	3.6786	0.1003	-0.0264	-0.0078	0.0661
1493	9.73	9.53	0.9417	2.7365	0.0014	3.6796	0.0948	-0.0195	-0.007	0.0683
1494	9.91	9.59	0.9418	2.737	0.0012	3.6801	0.0946	-0.0122	-0.0087	0.0736
1495	9.83	9.62	0.9419	2.7374	0.0012	3.6805	0.0923	-0.0052	-0.0065	0.0805
1496	10	9.67	0.9417	2.7362	0.001	3.6789	0.0903	-0.0024	0.0009	0.0888
1497	10.1	9.72	0.941	2.7353	0.0009	3.6772	0.0935	-0.0033	0.0039	0.094
1498	9.76	9.73	0.9394	2.7348	0.0009	3.6751	0.0923	0.0042	0.0043	0.1009
1499	10.1	9.7	0.9392	2.7336	0.0006	3.6734	0.092	0.0194	0.004	0.1153
1500	9.73	9.67	0.9397	2.7331	0.0005	3.6733	0.0958	0.0259	0.0043	0.126
1501	9.61	9.66	0.9404	2.7318	0.0006	3.6729	0.0961	0.0309	0.0012	0.1282
1502	9.77	9.65	0.9407	2.7312	0.001	3.6729	0.0912	0.0261	-0.0019	0.1155
1503	9.66	9.6	0.9401	2.7317	0.001	3.6728	0.0876	0.0176	0.0005	0.1057
1504	9.67	9.54	0.9406	2.7328	0.0009	3.6743	0.0896	0.0125	0.0019	0.104
1505	9.72	9.47	0.9417	2.7332	0.0008	3.6757	0.0955	-0.0011	-0.0015	0.0928
1506	9.67	9.41	0.943	2.7332	0.0008	3.6769	0.0912	0.0035	-0.0013	0.0934
1507	9.26	9.35	0.943	2.7333	0.0006	3.6769	0.0852	-0.0046	-0.0042	0.0765
1508	8.91	9.31	0.9423	2.7335	0.0006	3.6764	0.0871	-0.0111	-0.0045	0.0716

1509	9.38	9.26	0.9417	2.7331	0.0006	3.6754	0.091	-0.0157	0.0007	0.076
1510	9.2	9.2	0.9422	2.7332	0.0009	3.6763	0.0863	-0.0295	0.0044	0.0612
1511	9.38	9.16	0.9433	2.7327	0.001	3.677	0.0839	-0.0428	0.0059	0.0471
1512	8.79	9.11	0.9438	2.7324	0.001	3.6773	0.0856	-0.0474	0.0084	0.0466
1513	8.63	9.02	0.9438	2.7319	0.0014	3.6771	0.0794	-0.0458	0.01	0.0436
1514	8.59	8.94	0.9438	2.7318	0.0017	3.6773	0.0732	-0.0476	0.0086	0.0342
1515	8.91	8.89	0.9437	2.732	0.0022	3.6779	0.0723	-0.0395	0.0105	0.0433
1516	8.85	8.84	0.9437	2.7323	0.0021	3.6782	0.0703	-0.0239	0.0106	0.057
1517	9.06	8.81	0.9434	2.7329	0.0024	3.6787	0.0637	-0.0064	0.0063	0.0635
1518	9.08	8.82	0.9432	2.7332	0.0027	3.6791	0.0652	0.015	0.0073	0.0875
1519	8.72	8.81	0.943	2.7335	0.0026	3.6791	0.0653	0.0211	0.0065	0.0928
1520	8.83	8.81	0.9428	2.7337	0.0026	3.6792	0.0672	0.0211	0.0072	0.0955
1521	8.71	8.83	0.9427	2.734	0.0022	3.679	0.0646	0.0231	0.008	0.0957
1522	7.99	8.91	0.9423	2.7345	0.0023	3.679	0.0553	0.0252	0.0096	0.0901
1523	8.17	9.01	0.9426	2.7341	0.0017	3.6784	0.055	0.0213	0.0115	0.0878
1524	8.69	9.11	0.9428	2.7355	0.0015	3.6798	0.0611	0.0131	0.0113	0.0855
1525	8.72	9.19	0.9429	2.7352	0.0011	3.6792	0.0593	0.0158	0.0133	0.0883
1526	8.75	9.23	0.9425	2.7343	0.0009	3.6778	0.0534	0.0217	0.0132	0.0884
1527	9.11	9.23	0.9428	2.7336	0.0009	3.6773	0.0527	0.01	0.0096	0.0723
1528	9.12	9.29	0.9428	2.7325	0.0011	3.6764	0.0486	0.0119	0.0077	0.0683
1529	9.36	9.34	0.9425	2.7322	0.0015	3.6763	0.0443	0.0164	0.0093	0.0701
1530	9.68	9.38	0.9423	2.7323	0.0015	3.6762	0.0398	0.0232	0.0057	0.0687
1531	10.4	9.41	0.9421	2.7328	0.0012	3.6762	0.0361	0.0255	0.0079	0.0694
1532	10.4	9.48	0.9416	2.7334	0.0011	3.6761	0.0289	0.0318	0.0077	0.0684
1533	10.5	9.54	0.9417	2.7332	0.001	3.6759	0.0277	0.0373	0.0102	0.0752
1534	10.4	9.58	0.9418	2.7329	0.0009	3.6756	0.022	0.0303	0.0075	0.0598
1535	9.64	9.65	0.942	2.7317	0.0011	3.6747	0.0157	0.0254	0.004	0.0452
1536	9.09	9.7	0.9424	2.7312	0.0013	3.6749	0.0116	0.0235	0.0024	0.0375
1537	10.2	9.71	0.9416	2.7316	0.0011	3.6743	0.0149	0.0196	0	0.0344
1538	9.79	9.73	0.941	2.7308	0.0015	3.6733	0.0136	0.0149	-0.0039	0.0246
1539	9.43	9.74	0.9409	2.7305	0.0021	3.6735	0.0054	0.0055	-0.0063	0.0046
1540	9.31	9.7	0.9408	2.7309	0.002	3.6738	0.003	-0.0105	-0.0061	-0.0136
1541	9.35	9.64	0.9404	2.7316	0.0018	3.6739	0.0061	-0.0293	-0.0031	-0.0264
1542	9.4	9.59	0.9405	2.7324	0.0018	3.6747	0.0085	-0.0411	0.0018	-0.0307
1543	9.39	9.54	0.9405	2.7328	0.0018	3.6751	0.0118	-0.0349	0.0092	-0.0139
1544	9.98	9.48	0.9404	2.7331	0.0014	3.6749	0.0037	-0.0232	0.0111	-0.0084
1545	9.67	9.48	0.9406	2.7338	0.0009	3.6753	0.0024	-0.0168	0.0102	-0.0042

1546	9.34	9.5	0.9408	2.7335	0.0009	3.6752	0.0068	-0.005	0.0078	0.0095
1547	9.64	9.46	0.941	2.7328	0.001	3.6748	0.0129	0.0016	0.0048	0.0194
1548	9.56	9.46	0.941	2.7314	0.001	3.6733	0.0031	0.0109	0.003	0.0169
1549	8.77	9.46	0.9406	2.7311	0.001	3.6726	-0.0135	0.0142	0.0042	0.0049
1550	9.32	9.46	0.9406	2.7307	0.0014	3.6728	-0.0123	0.0043	0.0034	-0.0047
1551	9.41	9.44	0.9408	2.7312	0.0015	3.6735	-0.0061	0.0032	0.0018	-0.0011
1552	9.53	9.42	0.9405	2.7322	0.001	3.6737	0.0033	0.0008	-0.0008	0.0033
1553	9.36	9.39	0.9401	2.7321	0.0007	3.6729	0.0067	0.0008	-0.0018	0.0057
1554	9.61	9.34	0.9397	2.7325	0.0009	3.6731	-0.0005	0.0042	-0.0027	0.001
1555	9.47	9.29	0.94	2.7324	0.0007	3.6731	0.0009	0.0156	-0.003	0.0135
1556	9.44	9.25	0.9403	2.7326	0.0007	3.6736	0.0095	0.0207	-0.0058	0.0244
1557	9.83	9.24	0.9406	2.7325	0.0005	3.6736	0.0218	0.0179	-0.0045	0.0352
1558	9.36	9.2	0.9406	2.7321	0.0006	3.6733	0.0233	0.0099	-0.0052	0.028
1559	9.25	9.19	0.9406	2.732	0.0005	3.6731	0.0153	0.0086	-0.0053	0.0186
1560	9.02	9.15	0.9404	2.7326	0.0005	3.6735	0.0057	0.0055	-0.0069	0.0043
1561	9	9.13	0.9397	2.7329	0.0005	3.6731	0.0039	0.007	-0.0036	0.0073
1562	8.8	9.11	0.9396	2.733	0.0002	3.6728	0.0104	0.0071	-0.0034	0.0141
1563	9	9.1	0.9398	2.7333	0.0003	3.6734	0.0114	0.0071	-0.0002	0.0183
1564	8.77	9.08	0.9397	2.733	0.0003	3.673	0.0129	0.002	0.0072	0.022
1565	8.56	9.07	0.9398	2.7321	0.0003	3.6722	0.013	0.0027	0.0098	0.0255
1566	9.51	9.07	0.9397	2.7312	0.0006	3.6715	0.0128	0.0029	0.0139	0.0296
1567	8.8	9.03	0.9394	2.7303	0.0006	3.6702	0.0184	0.0004	0.0157	0.0345
1568	8.54	9	0.9392	2.7298	0.0008	3.6698	0.0209	-0.0018	0.0194	0.0385
1569	8.66	8.99	0.9393	2.7299	0.0009	3.67	0.0231	-0.0065	0.0244	0.041
1570	8.88	8.98	0.9397	2.7296	0.0008	3.6701	0.0261	-0.0077	0.027	0.0454
1571	9.16	8.98	0.9405	2.7298	0.0008	3.671	0.0262	-0.0017	0.0289	0.0535
1572	9.17	8.99	0.9407	2.7299	0.0008	3.6713	0.0349	0.0051	0.0238	0.0638
1573	9.22	8.97	0.9406	2.7302	0.0008	3.6716	0.0238	0.0265	0.0225	0.0729
1574	9.29	8.94	0.9407	2.73	0.0007	3.6714	0.0311	0.0379	0.012	0.0809
1575	9.47	8.94	0.9406	2.7299	0.0008	3.6713	0.0247	0.0593	0.0063	0.0903
1576	9.15	8.93	0.9404	2.7311	0.0011	3.6727	0.0239	0.0579	0.0024	0.0841
1577	8.79	8.94	0.9405	2.7306	0.0014	3.6725	0.0215	0.0467	-0.0058	0.0624
1578	8.96	8.96	0.9407	2.7303	0.0015	3.6725	0.0233	0.0368	-0.0074	0.0527
1579	8.9	9	0.941	2.7304	0.0019	3.6733	0.0204	0.0221	-0.0047	0.0378
1580	9.05	9.03	0.9417	2.7307	0.0017	3.6741	0.0159	0.0123	-0.0013	0.0269
1581	8.98	9.05	0.9425	2.7306	0.0016	3.6747	0.0077	0.0067	-0.0041	0.0103
1582	8.56	9.08	0.9431	2.7314	0.0015	3.6759	0.0027	0.0077	-0.0092	0.0012

1583	8.27	9.1	0.9432	2.7325	0.0016	3.6773	-0.0009	0.0041	-0.0078	-0.0046
1584	8.58	9.11	0.9434	2.7334	0.0015	3.6783	0.0002	0.0007	-0.0069	-0.0061
1585	9.22	9.16	0.9435	2.734	0.0014	3.679	-0.0032	-0.0032	-0.007	-0.0134
1586	9.06	9.2	0.9434	2.7344	0.0015	3.6793	-0.007	-0.0187	-0.0062	-0.0319
1587	8.95	9.26	0.9437	2.7349	0.0016	3.6802	-0.0074	-0.0318	-0.0031	-0.0424
1588	9.27	9.29	0.944	2.7356	0.0017	3.6812	-0.0172	-0.0314	-0.0027	-0.0513
1589	9.56	9.34	0.9435	2.7367	0.0016	3.6817	-0.0254	-0.0434	0.0046	-0.0642
1590	9.58	9.39	0.9423	2.7378	0.0014	3.6815	-0.0292	-0.047	0.011	-0.0652
1591	9.66	9.44	0.9416	2.7387	0.0009	3.6812	-0.0341	-0.044	0.0097	-0.0684
1592	9.65	9.5	0.9408	2.7388	0.0004	3.68	-0.0381	-0.0345	0.006	-0.0666
1593	9.47	9.58	0.9413	2.7388	0.0003	3.6804	-0.0377	-0.0231	0.0055	-0.0552
1594	10.4	9.64	0.9416	2.7387	0.0002	3.6805	-0.0393	-0.0179	0.0046	-0.0526
1595	9.86	9.66	0.9412	2.7379	0.0004	3.6795	-0.0422	-0.0126	0.0003	-0.0545
1596	9.89	9.67	0.9404	2.736	0.0005	3.677	-0.0438	-0.0066	-0.0059	-0.0563
1597	9.63	9.7	0.9407	2.7342	0.0006	3.6755	-0.0436	-0.0076	-0.0078	-0.0591
1598	9.78	9.72	0.9407	2.7334	0.0005	3.6746	-0.0417	-0.0128	-0.0084	-0.0629
1599	10.1	9.67	0.9405	2.7331	0.0002	3.6739	-0.0415	-0.0222	-0.0076	-0.0714
1600	9.98	9.63	0.9403	2.7328	0.0003	3.6734	-0.0433	-0.0262	-0.0052	-0.0746
1601	9.59	9.6	0.9401	2.7318	0.0007	3.6726	-0.0438	-0.0246	-0.0016	-0.0701
1602	9.73	9.58	0.94	2.7312	0.0012	3.6723	-0.0362	-0.0224	-0.0019	-0.0604
1603	9.73	9.56	0.9401	2.7313	0.0012	3.6727	-0.0404	-0.0144	-0.0061	-0.0609
1604	9.59	9.48	0.9405	2.7312	0.0012	3.673	-0.0439	-0.0179	-0.0078	-0.0695
1605	9.37	9.42	0.9408	2.7311	0.0014	3.6733	-0.0396	-0.0208	-0.0024	-0.0628
1606	9.42	9.36	0.9408	2.7314	0.0012	3.6734	-0.029	-0.0282	-0.0006	-0.0578
1607	9.8	9.31	0.9407	2.7323	0.0011	3.6741	-0.023	-0.026	0.0033	-0.0457
1608	8.45	9.25	0.9408	2.7326	0.0011	3.6745	-0.0176	-0.0264	0.006	-0.038
1609	8.96	9.18	0.9411	2.7326	0.0013	3.675	-0.0177	-0.0251	0.0086	-0.0342
1610	8.95	9.13	0.9418	2.7325	0.0012	3.6755	-0.0209	-0.0136	0.0033	-0.0311
1611	9.31	9.1	0.9423	2.732	0.0013	3.6756	-0.0255	0.003	-0.0008	-0.0233
1612	9.14	9.07	0.9427	2.7317	0.0011	3.6755	-0.0293	0.0115	-0.001	-0.0188
1613	8.83	9.04	0.9425	2.7317	0.0007	3.6749	-0.0285	0.0128	-0.0047	-0.0205
1614	8.69	9.04	0.9425	2.7315	0.0008	3.6747	-0.0263	0.0163	-0.0104	-0.0204
1615	8.76	9.03	0.9424	2.7317	0.0008	3.6749	-0.0255	0.0082	-0.0135	-0.0307
1616	8.7	9.03	0.9418	2.7323	0.0006	3.6747	-0.0212	-0.0113	-0.0147	-0.0472
1617	8.69	9	0.9413	2.7331	0.0005	3.6749	-0.0249	-0.0281	-0.0121	-0.0651
1618	8.8	9.06	0.9409	2.7339	0.0003	3.675	-0.0293	-0.0423	-0.0101	-0.0818
1619	8.91	9.09	0.9404	2.7343	-0.0001	3.6746	-0.0335	-0.058	-0.0059	-0.0974

1620	9	9.11	0.9402	2.7339	-0.0003	3.6738	-0.0385	-0.0558	-0.0036	-0.0979
1621	9.19	9.11	0.9392	2.7335	-0.0002	3.6726	-0.032	-0.0608	-0.0049	-0.0976
1622	9.18	9.11	0.9399	2.7318	0	3.6717	-0.0171	-0.0611	-0.0028	-0.081
1623	9.61	9.13	0.9395	2.7303	0.0005	3.6703	-0.0131	-0.0613	-0.0006	-0.0749
1624	9.2	9.14	0.9403	2.7296	0.0009	3.6708	-0.0124	-0.0593	0.002	-0.0696
1625	9.37	9.17	0.9405	2.7294	0.0008	3.6708	-0.0009	-0.0575	0.0021	-0.0563
1626	9.21	9.18	0.9404	2.7297	0.0015	3.6715	0.0143	-0.0534	0.0003	-0.0388
1627	9.55	9.19	0.9405	2.7299	0.0017	3.6721	0.0196	-0.0359	0.0027	-0.0136
1628	9.53	9.21	0.9407	2.7303	0.0016	3.6727	0.0256	-0.0377	0.007	-0.0051
1629	9.43	9.22	0.941	2.731	0.0017	3.6736	0.0177	-0.0464	0.007	-0.0217
1630	9.31	9.22	0.9416	2.7317	0.0019	3.6752	0.0143	-0.0426	0.0047	-0.0237
1631	9.18	9.19	0.9418	2.7321	0.0022	3.676	0.0178	-0.0372	0.0003	-0.0192
1632	9.08	9.21	0.9417	2.733	0.0019	3.6766	0.0228	-0.04	-0.0008	-0.018
1633	8.96	9.18	0.9417	2.7331	0.0016	3.6765	0.0256	-0.0382	-0.0025	-0.0151
1634	9.36	9.17	0.9421	2.7332	0.0016	3.6769	0.0247	-0.031	-0.0014	-0.0077
1635	8.85	9.15	0.9427	2.7336	0.0017	3.6779	0.0272	-0.0256	-0.0033	-0.0017
1636	8.9	9.14	0.9431	2.7344	0.0016	3.6791	0.0324	-0.0215	-0.0038	0.0071
1637	9.13	9.11	0.9433	2.7347	0.0014	3.6794	0.0277	-0.0204	-0.0026	0.0046
1638	9.23	9.12	0.9435	2.7351	0.0011	3.6797	0.0233	-0.0138	-0.0005	0.009
1639	8.83	9.11	0.9438	2.7352	0.001	3.6801	0.0299	-0.0074	0.0035	0.026
1640	8.74	9.17	0.9442	2.7353	0.0011	3.6806	0.0278	0.0033	0.0062	0.0373
1641	9.43	9.2	0.9442	2.7351	0.0012	3.6805	0.0238	0.0002	0.0047	0.0288
1642	9.09	9.23	0.9443	2.7347	0.0012	3.6803	0.0194	0.0058	0.0047	0.0299
1643	8.97	9.26	0.9445	2.7346	0.0013	3.6803	0.0051	0.0154	0.0018	0.0223
1644	9.04	9.3	0.9447	2.7344	0.0014	3.6804	0.0057	0.0251	-0.0007	0.03
1645	9.1	9.35	0.945	2.7344	0.0015	3.6809	0.0072	0.0346	-0.0043	0.0376
1646	8.88	9.4	0.9452	2.7343	0.0017	3.6811	0.0116	0.0284	-0.0038	0.0362
1647	9.68	9.41	0.9452	2.734	0.0019	3.6811	0.0083	0.0174	-0.0017	0.0239
1648	9.41	9.42	0.9451	2.7336	0.0017	3.6805	0.0116	-0.001	0.0003	0.0109
1649	10.4	9.46	0.9449	2.7337	0.0015	3.6801	0.0125	-0.0115	0.0025	0.0034
1650	9.68	9.5	0.945	2.7332	0.0016	3.6798	0.009	-0.0145	0.003	-0.0026
1651	9.69	9.5	0.9444	2.7334	0.0017	3.6795	0.0143	-0.0112	0.0016	0.0048
1652	9.63	9.52	0.9445	2.7336	0.0016	3.6798	0.0179	-0.0147	0.0024	0.0056
1653	10.1	9.54	0.9444	2.7339	0.0015	3.6799	0.0219	-0.0175	0.0078	0.0123
1654	9.67	9.58	0.9437	2.7345	0.0011	3.6793	0.0216	-0.0182	0.0073	0.0108
1655	9.81	9.64	0.9429	2.7352	0.0008	3.6788	0.0273	-0.0234	0.0082	0.012
1656	9.43	9.69	0.9426	2.7352	0.0004	3.6782	0.0309	-0.0229	0.0107	0.0187

1657	9.46	9.69	0.9423	2.7352	-0.0001	3.6774	0.032	-0.0158	0.0089	0.0251
1658	9.57	9.68	0.9424	2.7346	-0.0003	3.6767	0.031	-0.0032	0.007	0.0349
1659	9.55	9.65	0.9427	2.7334	0.0002	3.6762	0.0321	0.0013	0.0067	0.0401
1660	9.42	9.64	0.9429	2.7323	0.0006	3.6758	0.0339	0.0071	0.0058	0.0469
1661	9.33	9.6	0.9426	2.7318	0.0006	3.675	0.0346	0.0128	0.0034	0.0509
1662	9.42	9.59	0.9424	2.7317	0.0007	3.6748	0.0276	0.0029	0.0044	0.0349
1663	9.82	9.55	0.9424	2.7317	0.0013	3.6754	0.0273	-0.0091	0.0029	0.0211
1664	10.2	9.5	0.9423	2.7322	0.0016	3.6761	0.0314	-0.0161	0.0009	0.0162
1665	9.8	9.47	0.9419	2.7332	0.0018	3.6769	0.0383	-0.0207	0.0007	0.0184
1666	9.67	9.5	0.9422	2.734	0.0018	3.678	0.0425	-0.0204	-0.0019	0.0201
1667	9.23	9.48	0.9423	2.7345	0.0016	3.6784	0.0374	-0.0071	-0.0093	0.021
1668	9.76	9.5	0.9426	2.7356	0.0014	3.6796	0.0361	0.0009	-0.0102	0.0268
1669	9.47	9.49	0.9431	2.7355	0.0012	3.6798	0.0315	-0.0015	-0.0136	0.0164
1670	9.09	9.5	0.9429	2.7357	0.0013	3.6799	0.0243	-0.0041	-0.0122	0.0081
1671	9.46	9.49	0.9422	2.7359	0.001	3.6791	0.0195	-0.0146	-0.0123	-0.0075
1672	9.27	9.47	0.942	2.736	0.0008	3.6788	0.0043	-0.0306	-0.0095	-0.0358
1673	8.69	9.44	0.9419	2.7361	0.0006	3.6786	0.0125	-0.051	-0.0058	-0.0442
1674	9.38	9.39	0.9408	2.7358	0.0005	3.677	0.0118	-0.0636	0.0008	-0.0509
1675	9.84	9.36	0.9391	2.7352	0.0008	3.6752	0.0242	-0.0693	0.007	-0.0382
1676	9.2	9.33	0.9385	2.7347	0.0009	3.674	0.0284	-0.0682	0.0079	-0.032
1677	9.84	9.3	0.9379	2.7344	0.0007	3.673	0.0311	-0.062	0.0132	-0.0177
1678	9.45	9.23	0.9389	2.7349	0.0008	3.6747	0.0357	-0.0563	0.0153	-0.0052
1679	9.59	9.18	0.9396	2.7347	0.0014	3.6757	0.0454	-0.0533	0.0135	0.0056
1680	9.22	9.18	0.9399	2.7344	0.0017	3.676	0.0571	-0.0503	0.0135	0.0203
1681	8.97	9.14	0.9402	2.7346	0.0016	3.6765	0.0703	-0.0415	0.0163	0.0451
1682	9.16	9.15	0.9405	2.7352	0.0017	3.6774	0.079	-0.0374	0.0186	0.0603
1683	9.27	9.16	0.9408	2.7356	0.0017	3.678	0.0874	-0.0301	0.0172	0.0745
1684	9.25	9.17	0.9407	2.7359	0.0018	3.6785	0.0943	-0.0267	0.0155	0.083
1685	9.15	9.16	0.9403	2.7361	0.0018	3.6782	0.0996	-0.0266	0.0154	0.0885
1686	8.6	9.2	0.9407	2.7364	0.0017	3.6788	0.1001	-0.0187	0.0179	0.0993
1687	8.39	9.19	0.9413	2.7363	0.0016	3.6793	0.0948	-0.0037	0.0166	0.1078
1688	8.68	9.21	0.941	2.7363	0.0013	3.6786	0.0897	0.009	0.0123	0.111
1689	9.08	9.21	0.9407	2.7363	0.001	3.678	0.0841	0.0183	0.0052	0.1076
1690	8.64	9.22	0.94	2.7377	0.001	3.6787	0.0808	0.0169	-0.0004	0.0973
1691	9.45	9.24	0.9397	2.7381	0.0005	3.6782	0.0835	0.0205	-0.0018	0.1022
1692	8.92	9.29	0.9403	2.7373	0.0002	3.6778	0.0825	0.0126	-0.0006	0.0946
1693	9.49	9.33	0.9408	2.7363	0.0004	3.6774	0.0759	-0.0029	-0.0012	0.0718

1694	9.73	9.31	0.9409	2.7352	0.0007	3.6768	0.0761	-0.0121	0.0012	0.0651
1695	9.86	9.3	0.9401	2.735	0.0008	3.6759	0.0811	-0.0155	0.0042	0.0698
1696	9.64	9.33	0.9396	2.7343	0.0007	3.6746	0.0857	-0.0158	0.0046	0.0746
1697	9.96	9.36	0.9395	2.7343	0.0006	3.6744	0.084	-0.0078	0.002	0.0781
1698	9.57	9.39	0.9395	2.7346	0.0002	3.6743	0.0806	-0.0107	-0.0004	0.0695
1699	9.33	9.41	0.9396	2.7346	-0.0001	3.6741	0.0728	-0.0152	-0.0037	0.0539
1700	9.49	9.43	0.9388	2.7339	0.0002	3.6729	0.0692	-0.0176	-0.005	0.0467
1701	9.96	9.41	0.9383	2.7332	0.0005	3.672	0.0681	-0.0215	-0.0025	0.0441
1702	10	9.41	0.9378	2.7329	0.0004	3.6711	0.0554	-0.0226	0.0037	0.0365
1703	8.98	9.4	0.938	2.7331	0.0005	3.6716	0.0561	-0.0232	0.0051	0.038
1704	8.89	9.37	0.9378	2.7336	0.0004	3.6718	0.056	-0.0192	0.004	0.0408
1705	9.19	9.29	0.9377	2.7334	0.0003	3.6714	0.0473	-0.0096	0.0017	0.0394
1706	9.01	9.23	0.9376	2.7329	0.0003	3.6709	0.0341	0.0035	0.0002	0.0378
1707	9.22	9.19	0.9376	2.7326	0.0004	3.6706	0.0268	0.0053	-0.0049	0.0272
1708	9.36	9.17	0.9376	2.7325	0.0004	3.6705	0.0234	0.007	-0.0104	0.02
1709	9.14	9.16	0.9377	2.7319	0.0007	3.6703	0.022	-0.0024	-0.0126	0.007
1710	9.02	9.14	0.9383	2.7312	0.0009	3.6704	0.023	-0.0126	-0.0065	0.004
1711	8.98	9.1	0.9395	2.7317	0.0009	3.6721	0.0204	-0.0251	-0.0019	-0.0066
1712	9.19	9.02	0.9399	2.7326	0.0008	3.6733	0.0184	-0.0282	-0.0024	-0.0122
1713	9.21	9.01	0.9394	2.7333	0.0006	3.6733	0.0168	-0.0286	-0.0013	-0.0132
1714	8.4	9.02	0.9386	2.7336	0.0007	3.6729	0.0195	-0.0275	0.0022	-0.0058
1715	8.43	9	0.9381	2.7338	0.001	3.6729	0.0205	-0.0252	0.0051	0.0005
1716	9.24	9	0.9381	2.733	0.0015	3.6726	0.0204	-0.0192	0.0053	0.0065
1717	9.18	8.98	0.9377	2.733	0.0015	3.6722	0.0237	-0.0127	0.004	0.0151
1718	9	8.93	0.9377	2.734	0.0016	3.6734	0.0256	-0.0085	0.0023	0.0194
1719	9.2	8.91	0.9379	2.7347	0.0011	3.6738	0.0319	0.0022	0.0046	0.0388
1720	9.25	8.93	0.9383	2.7354	0.0009	3.6746	0.0472	0.003	0.005	0.0551
1721	8.45	8.97	0.9388	2.7366	0.0008	3.6762	0.0568	0.0116	0.0066	0.075
1722	8.73	8.97	0.9386	2.7369	0.0006	3.6761	0.0511	0.0182	0.0035	0.0728
1723	9.07	9.02	0.9383	2.7367	0.0004	3.6754	0.0482	0.0217	0.0003	0.0701
1724	8.9	9.12	0.9379	2.7365	0.0002	3.6746	0.044	0.0202	-0.0002	0.064
1725	9.06	9.19	0.9376	2.7363	0.0001	3.674	0.0335	0.0127	0.0012	0.0474
1726	8.73	9.24	0.9373	2.7359	0.0002	3.6733	0.0235	0.0075	0.0051	0.0361
1727	8.48	9.26	0.9369	2.7356	0.0001	3.6726	0.0222	0.0031	0.0057	0.031
1728	8.8	9.26	0.9362	2.7357	0.0003	3.6721	0.0138	0.0002	0.0036	0.0176
1729	9.38	9.25	0.9352	2.736	0.0003	3.6716	0.0223	0.0085	0.004	0.0348
1730	9.72	9.25	0.9345	2.7358	0.0003	3.6707	0.0278	0.0091	0.0102	0.0472

1731	9.27	9.3	0.9339	2.7358	0.0003	3.67	0.0274	0.0105	0.0109	0.0487
1732	10.2	9.35	0.933	2.736	0.0002	3.6691	0.0262	0.0218	0.0063	0.0544
1733	10.1	9.35	0.9323	2.7358	0.0001	3.6682	0.0282	0.0314	0.002	0.0616
1734	9.89	9.35	0.9322	2.7358	0.0001	3.6681	0.029	0.0306	-0.0007	0.0589
1735	10.1	9.36	0.9327	2.7354	-0.0001	3.668	0.0278	0.0285	-0.0005	0.0558
1736	9.62	9.38	0.9336	2.7348	-0.0001	3.6683	0.0225	0.0224	0.0018	0.0467
1737	9.06	9.39	0.9344	2.7338	0.0001	3.6683	0.0257	0.0205	0.0003	0.0465
1738	8.98	9.42	0.9351	2.7333	0.0006	3.669	0.0341	0.0105	0.0001	0.0447
1739	9.21	9.43	0.9357	2.7336	0.001	3.6703	0.0301	0.0008	-0.0007	0.0302
1740	9.49	9.41	0.9358	2.7333	0.0012	3.6704	0.0212	-0.002	-0.0017	0.0175
1741	9.66	9.4	0.936	2.7338	0.0013	3.6711	-0.0036	0.0175	-0.0007	0.0132
1742	9.01	9.35	0.9367	2.735	0.0014	3.6731	-0.0068	0.0207	-0.0065	0.0075
1743	8.93	9.29	0.9369	2.7358	0.0012	3.6738	-0.0007	0.0143	-0.0084	0.0051
1744	9.26	9.26	0.9366	2.7359	0.0009	3.6734	0.0038	0.0075	-0.0051	0.0062
1745	8.98	9.23	0.9364	2.736	0.0011	3.6735	0.0047	-0.0026	-0.0014	0.0007
1746	8.83	9.22	0.9368	2.735	0.0015	3.6733	-0.007	-0.0039	0.0001	-0.0107
1747	9.3	9.25	0.9371	2.7351	0.0019	3.6741	-0.0148	-0.0079	0.0018	-0.0209
1748	9.6	9.29	0.9378	2.7352	0.0021	3.6751	-0.0193	-0.0018	0.0031	-0.018
1749	9.34	9.28	0.938	2.7355	0.002	3.6754	-0.0232	-0.0025	-0.002	-0.0278
1750	9.05	9.26	0.9382	2.7354	0.0019	3.6754	-0.024	-0.0015	-0.0056	-0.0311
1751	9.16	9.26	0.9389	2.7357	0.0013	3.6759	-0.0317	-0.0105	-0.0034	-0.0456
1752	9.11	9.31	0.9389	2.736	0.0011	3.676	-0.0372	-0.0175	-0.0001	-0.0549
1753	9.3	9.34	0.9389	2.7358	0.0011	3.6758	-0.0428	-0.021	-0.001	-0.0648
1754	9.53	9.36	0.939	2.7355	0.0009	3.6754	-0.0414	-0.0188	-0.0001	-0.0603
1755	9.47	9.39	0.9395	2.7348	0.0008	3.6751	-0.0439	-0.0143	-0.0012	-0.0595
1756	9.64	9.43	0.9399	2.7347	0.0009	3.6755	-0.0455	-0.0163	-0.0021	-0.064
1757	9.62	9.45	0.94	2.7345	0.001	3.6754	-0.0468	-0.0214	-0.0018	-0.07
1758	9.08	9.43	0.9402	2.7348	0.001	3.676	-0.0473	-0.0254	-0.0011	-0.0738
1759	9.17	9.44	0.9404	2.7346	0.0008	3.6758	-0.0478	-0.0271	-0.0006	-0.0755
1760	9.59	9.48	0.9409	2.7348	0.0008	3.6765	-0.0472	-0.0338	0.0023	-0.0787
1761	10	9.5	0.9408	2.7346	0.0008	3.6762	-0.0408	-0.0417	0.0044	-0.0781
1762	9.33	9.55	0.9407	2.7346	0.0009	3.6762	-0.0279	-0.0367	0.0045	-0.0601
1763	9.65	9.6	0.9404	2.7345	0.0011	3.676	-0.0235	-0.0263	0.003	-0.0468
1764	9.59	9.6	0.9402	2.7347	0.0011	3.6761	-0.0302	-0.0193	0.0014	-0.0481
1765	9.52	9.59	0.9399	2.7352	0.0012	3.6763	-0.0393	-0.0162	0.0021	-0.0534
1766	9.77	9.62	0.9398	2.7353	0.0014	3.6765	-0.0455	-0.0139	0.0056	-0.0538
1767	9.24	9.6	0.9397	2.7354	0.0013	3.6764	-0.0464	-0.0233	0.0119	-0.0578

1768	9.46	9.61	0.9394	2.7354	0.001	3.6757	-0.0518	-0.0238	0.0123	-0.0633
1769	9.8	9.64	0.9384	2.7352	0.0007	3.6743	-0.0521	-0.0116	0.0137	-0.05
1770	9.58	9.64	0.9373	2.7345	0.0006	3.6724	-0.0503	-0.0035	0.008	-0.0458
1771	10	9.6	0.9371	2.7341	0.0007	3.6718	-0.0468	0.0052	0.0055	-0.0361
1772	10.3	9.59	0.9372	2.7338	0.0008	3.6718	-0.0405	0.0207	0.0033	-0.0165
1773	9.58	9.54	0.9375	2.7341	0.0006	3.6722	-0.0434	0.0249	0.0014	-0.0171
1774	9.29	9.5	0.9374	2.7345	0.0004	3.6723	-0.0481	0.0225	-0.0007	-0.0263
1775	10.1	9.46	0.9368	2.7345	0.0003	3.6716	-0.0537	0.0203	-0.0043	-0.0378
1776	9.28	9.44	0.9362	2.7344	0.0003	3.6709	-0.0581	0.0174	-0.0059	-0.0466
1777	9.18	9.45	0.9365	2.7344	0.0003	3.6712	-0.0637	0.012	-0.0046	-0.0562
1778	9.75	9.45	0.9367	2.7341	0.0004	3.6712	-0.0699	0.0083	-0.005	-0.0667
1779	9.72	9.44	0.9368	2.7338	0.0004	3.671	-0.0807	0.0096	-0.0034	-0.0745
1780	9.22	9.42	0.9372	2.7333	0.0006	3.6711	-0.0953	0.0152	-0.0028	-0.0829
1781	9.1	9.35	0.9376	2.7324	0.001	3.671	-0.1065	0.0123	-0.0029	-0.097
1782	8.7	9.29	0.9377	2.7321	0.0015	3.6712	-0.1174	0.0122	-0.0029	-0.1081
1783	8.8	9.26	0.9379	2.7325	0.0018	3.6721	-0.1329	0.0151	-0.0045	-0.1223
1784	8.89	9.25	0.9379	2.7331	0.0019	3.6729	-0.1452	0.0127	-0.006	-0.1384
1785	9.32	9.2	0.9381	2.7339	0.0017	3.6736	-0.1491	0.0134	-0.0066	-0.1424
1786	9.5	9.19	0.9381	2.7344	0.0017	3.6742	-0.1437	0.0074	-0.0092	-0.1455
1787	9.45	9.19	0.9379	2.7353	0.0016	3.6748	-0.1309	-0.0029	-0.0089	-0.1426
1788	9.62	9.17	0.938	2.7362	0.0014	3.6756	-0.1214	-0.0179	-0.0057	-0.145
1789	9.12	9.14	0.9386	2.7365	0.0012	3.6763	-0.1109	-0.027	0.001	-0.1369
1790	8.79	9.12	0.9403	2.736	0.001	3.6773	-0.1026	-0.023	0.0088	-0.1168
1791	9.01	9.14	0.9404	2.736	0.0011	3.6775	-0.1026	-0.0278	0.0124	-0.118
1792	9.11	9.19	0.9404	2.7358	0.0011	3.6773	-0.1019	-0.0194	0.0129	-0.1084
1793	9.12	9.2	0.9404	2.7355	0.0009	3.6768	-0.0913	0.0008	0.015	-0.0755
1794	9.03	9.16	0.9404	2.7355	0.0008	3.6767	-0.0903	0.0142	0.0119	-0.0642
1795	9.23	9.12	0.9408	2.7354	0.0008	3.677	-0.0972	0.0168	0.0078	-0.0726
1796	9.12	9.17	0.9411	2.7351	0.0005	3.6767	-0.1016	0.0187	0.0105	-0.0724
1797	9.32	9.18	0.9415	2.7345	0.0003	3.6762	-0.0967	0.0016	0.0182	-0.0769
1798	9.21	9.21	0.9418	2.7348	0.0004	3.6771	-0.0918	0.0026	0.0266	-0.0625
1799	8.89	9.19	0.942	2.7348	0.0005	3.6772	-0.0803	0.0037	0.0305	-0.046
1800	9.48	9.48	0.942	2.735	0.0005	3.6775	-0.0788	0.0097	0.0294	-0.0397