

Test Name	BRK, MW, rep 1
Cladding	Brick
Cladding Thickness [mm]	102
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a Brick cladding and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	There were no noticeable observations for this test.
Peak HRR [kW]	0
Time to Peak HRR [mins]	
Residual HRR [kW]	1.61
Total HR [MJ]	0
Peak dQ/dt [kW/s]	0
Time to Peak dQ/dt [s]	

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	0.323	0.323	1	2.8047	0.0009	3.8056	0	0.1795	0.008	0.1875
1	0.475	0.503	1	2.8042	0.001	3.8052	0	0.1749	0.0078	0.1828
2	0.713	0.679	1	2.8038	0.0011	3.8049	0	0.1689	0.0089	0.1778
3	0.905	0.822	1	2.803	0.0012	3.8042	0	0.1657	0.0094	0.1752
4	0.979	1.19	1	2.8029	0.0013	3.8042	0	0.1581	0.0153	0.1735
5	1.03	1.73	1	2.8024	0.0015	3.8039	0	0.1576	0.0164	0.174
6	1.34	2.37	1	2.802	0.0014	3.8035	0	0.1587	0.0143	0.1729
7	2.03	2.92	1	2.8019	0.0013	3.8032	0	0.1563	0.014	0.1703
8	2.95	3.4	1	2.8016	0.0012	3.8028	0	0.1573	0.0138	0.1711
9	3.86	3.82	1	2.8015	0.0009	3.8024	0	0.1579	0.0136	0.1714
10	4.42	4.23	1	2.8013	0.0006	3.8019	0	0.1564	0.0133	0.1697
11	5.44	4.63	1	2.8007	0.001	3.8017	0	0.153	0.0123	0.1653
12	6.31	5.04	1	2.8005	0.001	3.8015	0	0.1516	0.0113	0.1629
13	6.63	5.42	1	2.8002	0.0012	3.8014	0	0.1462	0.0111	0.1574
14	6.34	5.81	1	2.7998	0.0012	3.801	0	0.1419	0.0109	0.1529
15	6.86	6.19	1	2.7998	0.0012	3.801	0	0.1384	0.0108	0.1492
16	7.13	6.58	1	2.7996	0.001	3.8006	0	0.1376	0.0106	0.1482
17	7.09	6.93	1	2.7994	0.0009	3.8003	0	0.1372	0.0104	0.1477
18	7.81	7.2	1	2.7991	0.0007	3.7998	0	0.1363	0.0103	0.1466
19	7.97	7.42	1	2.7989	0.0009	3.7999	0	0.1335	0.0098	0.1433
20	8.12	7.63	1	2.7987	0.0011	3.7998	0	0.1321	0.0081	0.1402
21	8.59	7.78	1	2.7985	0.0011	3.7996	0	0.1294	0.0064	0.1357
22	8.12	7.88	1	2.7984	0.0012	3.7996	0	0.1276	0.0048	0.1323
23	8.33	7.96	1	2.7983	0.0011	3.7994	0	0.1241	0.005	0.1291
24	8.32	8.1	1	2.7984	0.0011	3.7995	0	0.1214	0.0054	0.1268
25	8.66	8.2	1	2.7983	0.0011	3.7994	0	0.1198	0.0053	0.1251
26	8.62	8.28	1	2.7983	0.001	3.7994	0	0.1182	0.0053	0.1235
27	8.23	8.38	1	2.7985	0.0008	3.7993	0	0.118	0.0052	0.1232
28	8.07	8.43	1	2.7985	0.0007	3.7992	0	0.1151	0.004	0.119

29	8.33	8.5	1	2.7984	0.0006	3.799	0	0.1127	0.0051	0.1177
30	8.19	8.56	1	2.7981	0.0007	3.7987	0	0.1126	0.005	0.1176
31	8.36	8.58	1	2.798	0.0006	3.7986	0	0.113	0.0045	0.1175
32	8.19	8.64	1	2.7977	0.0006	3.7983	0	0.1121	0.0031	0.1152
33	8.85	8.7	1	2.7979	0.0005	3.7984	0	0.1108	0.0024	0.1132
34	8.78	8.72	1	2.798	0.0005	3.7985	0	0.1098	0.0024	0.1121
35	8.78	8.76	1	2.798	0.0005	3.7986	0	0.1054	0.0024	0.1078
36	8.9	8.77	1	2.7977	0.0007	3.7985	0	0.1043	0.0023	0.1066
37	8.81	8.83	1	2.7978	0.0008	3.7986	0	0.0989	0.0023	0.1012
38	9.23	8.89	1	2.7978	0.0008	3.7985	0	0.1	0.0023	0.1022
39	9.29	8.94	1	2.7977	0.0007	3.7984	0	0.1002	0.0022	0.1025
40	9.01	9	1	2.7979	0.0007	3.7986	0	0.0954	0.0022	0.0976
41	9.26	9.06	1	2.7979	0.0007	3.7986	0	0.0931	0.0022	0.0953
42	9.5	9.14	1	2.7979	0.0007	3.7986	0	0.0916	0.0027	0.0943
43	8.71	9.17	1	2.7975	0.0007	3.7982	0	0.0935	0.0038	0.0973
44	9.42	9.18	1	2.7975	0.0007	3.7982	0	0.0935	0.0029	0.0963
45	8.79	9.2	1	2.7976	0.0007	3.7983	0	0.0925	0.0013	0.0938
46	9.33	9.22	1	2.7973	0.0007	3.798	0	0.0924	-0.0007	0.0917
47	9.1	9.26	1	2.797	0.0007	3.7977	0	0.0974	-0.001	0.0964
48	9.4	9.27	1	2.7968	0.0007	3.7974	0	0.0957	-0.001	0.0947
49	9.38	9.27	1	2.7964	0.0006	3.797	0	0.0937	0	0.0937
50	9.36	9.3	1	2.7965	0.0006	3.7971	0	0.0916	0	0.0916
51	9.69	9.31	1	2.7966	0.0005	3.7971	0	0.0834	-0.0007	0.0827
52	9.57	9.28	1	2.7966	0.0005	3.7971	0	0.076	0.0011	0.0771
53	8.95	9.33	1	2.7968	0.0002	3.797	0	0.0684	0.0022	0.0706
54	9.12	9.36	1	2.7967	0.0001	3.7968	0	0.0602	0.003	0.0632
55	9.28	9.42	1	2.7965	0.0002	3.7967	0	0.06	0.0042	0.0642
56	9.58	9.42	1	2.7965	0.0002	3.7967	0	0.0532	0.006	0.0592
57	9.3	9.43	1	2.7963	0.0002	3.7965	0	0.0451	0.0054	0.0505
58	9.33	9.41	1	2.7961	0.0002	3.7963	0	0.0444	0.0043	0.0487
59	9.59	9.39	1	2.796	0.0002	3.7962	0	0.0445	0.0032	0.0477
60	9.39	9.39	1	2.796	0.0002	3.7963	0	0.0447	0.0002	0.045
61	9.04	9.35	1	2.796	0.0003	3.7963	0	0.039	-0.003	0.036
62	9.68	9.31	1	2.7962	0.0003	3.7965	0	0.0323	0.001	0.0333
63	10	9.32	1	2.7963	0.0003	3.7966	0	0.0289	0.0014	0.0303
64	9.79	9.34	1	2.7964	0.0003	3.7967	0	0.0274	0.0034	0.0308
65	9.32	9.34	1	2.7963	0.0003	3.7966	0	0.0259	0.004	0.0299

66	9.36	9.36	1	2.7962	0.0003	3.7965	0	0.0255	0.0036	0.0291
67	9.1	9.37	1	2.7961	0.0003	3.7964	0	0.0236	0.0025	0.0261
68	8.88	9.4	1	2.7962	0.0003	3.7965	0	0.0218	0.0031	0.0248
69	9.48	9.39	1	2.7961	0.0004	3.7966	0	0.0163	0.004	0.0203
70	8.91	9.4	1	2.7962	0.0005	3.7967	0	0.0158	0.0056	0.0214
71	8.84	9.44	1	2.7962	0.0007	3.7969	0	0.0118	0.0069	0.0187
72	9.1	9.47	1	2.7963	0.0006	3.797	0	0.0108	0.0061	0.0169
73	9.37	9.47	1	2.7964	0.0006	3.797	0	0.0099	0.005	0.015
74	9.42	9.48	1	2.7964	0.0006	3.797	0	0.0122	0.0029	0.0151
75	9.81	9.5	1	2.7964	0.0006	3.797	0	0.0125	0.0011	0.0136
76	9.53	9.51	1	2.7963	0.0006	3.7969	0	0.0112	0.002	0.0132
77	9.88	9.52	1	2.7964	0.0007	3.7971	0	0.0186	0.0012	0.0198
78	9.54	9.55	1	2.7965	0.0006	3.7971	0	0.0266	-0.001	0.0256
79	9.44	9.57	1	2.7964	0.0006	3.797	0	0.0284	-0.002	0.0264
80	9.93	9.64	1	2.7962	0.0006	3.7969	0	0.0275	-0.0027	0.0248
81	10.2	9.7	1	2.7962	0.0007	3.7969	0	0.025	-0.0022	0.0228
82	10.1	9.75	1	2.7962	0.0008	3.797	0	0.0287	-0.0029	0.0258
83	9.8	9.77	1	2.7962	0.0008	3.797	0	0.0296	-0.003	0.0266
84	9.86	9.78	1	2.7964	0.0008	3.7972	0	0.0311	-0.004	0.0271
85	9.48	9.77	1	2.7964	0.0008	3.7972	0	0.0301	-0.004	0.0261
86	9.24	9.78	1	2.7968	0.0008	3.7976	0	0.0303	-0.0036	0.0267
87	9.52	9.78	1	2.7966	0.0008	3.7974	0	0.0276	-0.0017	0.0259
88	9.93	9.78	1	2.7965	0.0008	3.7973	0	0.0259	-0.001	0.0249
89	10.2	9.78	1	2.7968	0.0008	3.7976	0	0.0278	-0.0015	0.0263
90	10	9.81	1	2.7969	0.0008	3.7977	0	0.0298	-0.002	0.0278
91	10	9.81	1	2.797	0.0008	3.7977	0	0.0327	-0.002	0.0307
92	9.72	9.79	1	2.7967	0.0006	3.7973	0	0.0331	-0.002	0.0311
93	9.65	9.78	1	2.7966	0.0007	3.7973	0	0.0366	-0.002	0.0346
94	9.5	9.78	1	2.7966	0.0009	3.7975	0	0.0322	-0.002	0.0302
95	9.71	9.79	1	2.7965	0.0011	3.7976	0	0.0318	-0.002	0.0298
96	9.89	9.82	1	2.7959	0.0011	3.797	0	0.0364	-0.002	0.0344
97	9.63	9.84	1	2.796	0.0011	3.7971	0	0.0296	-0.002	0.0276
98	9.45	9.84	1	2.7961	0.001	3.7971	0	0.0274	-0.0019	0.0255
99	10.4	9.79	1	2.7962	0.001	3.7972	0	0.0234	-0.0014	0.0221
100	10.2	9.81	1	2.7964	0.001	3.7973	0	0.0191	-0.002	0.0171
101	9.79	9.79	1	2.7966	0.0009	3.7975	0	0.0185	-0.002	0.0165
102	9.64	9.81	1	2.797	0.0009	3.7979	0	0.0173	-0.0026	0.0147

103	9.89	9.81	1	2.797	0.0009	3.7979	0	0.018	-0.003	0.015
104	9.53	9.83	1	2.7969	0.0009	3.7978	0	0.0205	-0.0063	0.0142
105	9.89	9.83	1	2.7971	0.0009	3.798	0	0.0203	-0.007	0.0133
106	9.95	9.81	1	2.7975	0.0009	3.7984	0	0.0196	-0.006	0.0136
107	9.9	9.79	1	2.7974	0.0009	3.7983	0	0.0177	-0.006	0.0117
108	9.26	9.79	1	2.7971	0.0009	3.798	0	0.013	-0.006	0.007
109	10.3	9.77	1	2.797	0.0009	3.7979	0	0.009	-0.006	0.003
110	9.7	9.76	1	2.7974	0.0009	3.7983	0	0.0089	-0.0069	0.002
111	10.1	9.75	1	2.7974	0.0009	3.7983	0	0.0075	-0.0065	0.001
112	9.73	9.74	1	2.7976	0.0009	3.7985	0	0.0082	-0.006	0.0022
113	9.86	9.72	1	2.7974	0.0009	3.7983	0	0.0125	-0.006	0.0065
114	9.74	9.72	1	2.7972	0.0008	3.798	0	0.0122	-0.0057	0.0065
115	9.46	9.71	1	2.7973	0.0008	3.7981	0	0.0105	-0.005	0.0055
116	9.36	9.7	1	2.7972	0.0008	3.798	0	0.0094	-0.005	0.0044
117	9.4	9.69	1	2.7972	0.0006	3.7978	0	0.0085	-0.005	0.0035
118	10	9.74	1	2.7975	0.0003	3.7978	0	0.0077	-0.005	0.0027
119	10	9.73	1	2.7973	0.0004	3.7977	0	0.01	-0.0047	0.0053
120	9.54	9.76	1	2.7975	0.0004	3.7979	0	0.0118	-0.0036	0.0082
121	9.5	9.76	1	2.7974	0.0005	3.7979	0	0.0162	-0.0025	0.0136
122	9.48	9.76	1	2.7974	0.0007	3.7981	0	0.017	-0.0014	0.0156
123	9.67	9.74	1	2.7971	0.0008	3.7979	0	0.0164	-0.0016	0.0147
124	9.55	9.71	1	2.7971	0.001	3.7981	0	0.0179	-0.001	0.0169
125	9.84	9.72	1	2.7972	0.0009	3.7981	0	0.0154	-0.001	0.0144
126	9.75	9.76	1	2.7965	0.0009	3.7974	0	0.0113	-0.001	0.0103
127	10.2	9.79	1	2.7958	0.0009	3.7967	0	0.0086	-0.001	0.0076
128	10	9.78	1	2.7957	0.0009	3.7966	0	0.0111	-0.0001	0.011
129	10.3	9.75	1	2.7956	0.0009	3.7965	0	0.0125	-0.001	0.0115
130	10.1	9.73	1	2.7956	0.0009	3.7965	0	0.0127	-0.001	0.0117
131	9.77	9.73	1	2.7951	0.0009	3.796	0	0.0128	-0.0006	0.0122
132	9.5	9.75	1	2.7947	0.0009	3.7956	0	0.0127	0.0005	0.0131
133	9.09	9.75	1	2.7948	0.0009	3.7957	0	0.0105	0.001	0.0115
134	9.75	9.72	1	2.795	0.0009	3.7959	0	0.0096	0.001	0.0106
135	10	9.69	1	2.795	0.0009	3.7959	0	0.0114	0.001	0.0124
136	10	9.64	1	2.795	0.0009	3.7959	0	0.0111	0.001	0.0121
137	9.76	9.6	1	2.7952	0.0009	3.7961	0	0.0138	0.001	0.0148
138	9.44	9.57	1	2.795	0.0009	3.7959	0	0.0079	0.001	0.0089
139	9.18	9.52	1	2.7948	0.0009	3.7957	0	0.0061	0.001	0.0071

140	9.47	9.48	1	2.7947	0.0009	3.7956	0	0.007	0.001	0.008
141	9.98	9.47	1	2.7946	0.0009	3.7955	0	0.0077	0.001	0.0087
142	9.67	9.44	1	2.7942	0.0009	3.7951	0	0.0081	0.0005	0.0086
143	8.83	9.44	1	2.7943	0.0009	3.7952	0	0.0093	-0.0006	0.0088
144	9.34	9.42	1	2.7943	0.0009	3.7952	0	0.0117	0.0003	0.012
145	8.82	9.38	1	2.7939	0.0009	3.7948	0	0.012	0.0017	0.0137
146	9.41	9.35	1	2.7943	0.0009	3.7952	0	0.0112	0.0037	0.0148
147	9.43	9.33	1	2.7943	0.0009	3.7952	0	0.0073	0.004	0.0113
148	9.35	9.32	1	2.7944	0.0008	3.7952	0	0.0092	0.004	0.0132
149	9.4	9.34	1	2.7945	0.0008	3.7953	0	0.013	0.003	0.016
150	9.44	9.32	1	2.7946	0.0008	3.7954	0	0.0146	0.003	0.0176
151	9.06	9.33	1	2.7949	0.0008	3.7957	0	0.0223	0.0027	0.025
152	9.06	9.32	1	2.7948	0.0008	3.7956	0	0.0286	0.002	0.0306
153	9.27	9.36	1	2.7948	0.0008	3.7956	0	0.0358	0.002	0.0378
154	9.26	9.37	1	2.7947	0.0008	3.7955	0	0.0388	0.002	0.0408
155	9.48	9.38	1	2.7945	0.0008	3.7953	0	0.0411	0.002	0.0431
156	9.47	9.36	1	2.7947	0.0008	3.7955	0	0.0405	0.002	0.0425
157	9.21	9.36	1	2.795	0.0008	3.7958	0	0.0468	0.002	0.0488
158	9.57	9.38	1	2.7952	0.0008	3.796	0	0.0471	0.002	0.0491
159	9.09	9.38	1	2.7951	0.0009	3.796	0	0.0461	0.0019	0.048
160	10.2	9.39	1	2.7953	0.0009	3.7962	0	0.0464	0.001	0.0474
161	9.49	9.41	1	2.7952	0.0009	3.7961	0	0.0522	0.0012	0.0534
162	9.56	9.43	1	2.7949	0.0009	3.7958	0	0.0571	0.002	0.0591
163	9.51	9.47	1	2.7951	0.0009	3.796	0	0.0584	0.002	0.0604
164	9.02	9.51	1	2.7953	0.0008	3.7961	0	0.0562	0.0016	0.0578
165	9	9.49	1	2.7954	0.0008	3.7962	0	0.0549	0.001	0.0559
166	9.34	9.47	1	2.7953	0.0008	3.7961	0	0.056	0.001	0.057
167	9.71	9.47	1	2.7953	0.0008	3.7961	0	0.0603	0.001	0.0613
168	9.46	9.47	1	2.7952	0.0008	3.796	0	0.0637	-0.0013	0.0624
169	9.72	9.52	1	2.795	0.0008	3.7958	0	0.0646	-0.0037	0.0609
170	9.32	9.48	1	2.7946	0.0008	3.7954	0	0.0655	-0.0042	0.0613
171	9.58	9.48	1	2.7945	0.0008	3.7953	0	0.0696	-0.003	0.0666
172	9.85	9.48	1	2.7947	0.0008	3.7955	0	0.0704	-0.0021	0.0683
173	10.1	9.49	1	2.7946	0.0007	3.7953	0	0.0733	0.0005	0.0739
174	9.16	9.53	1	2.7949	0.0007	3.7956	0	0.0673	0.0039	0.0712
175	9.07	9.59	1	2.7953	0.0007	3.796	0	0.0658	0.0079	0.0737
176	9.15	9.65	1	2.7954	0.0007	3.7961	0	0.0686	0.0074	0.076

177	9.64	9.65	1	2.7953	0.0007	3.796	0	0.0628	0.007	0.0698
178	9.94	9.68	1	2.7952	0.0007	3.7959	0	0.0564	0.007	0.0634
179	9.5	9.7	1	2.7951	0.0007	3.7958	0	0.0586	0.0088	0.0674
180	9.53	9.73	1	2.7949	0.0007	3.7956	0	0.0562	0.009	0.0652
181	9.49	9.73	1	2.7949	0.0007	3.7956	0	0.0575	0.0088	0.0664
182	9.62	9.72	1	2.7951	0.0007	3.7958	0	0.0508	0.0067	0.0575
183	9.86	9.72	1	2.7952	0.0007	3.7959	0	0.0437	0.0047	0.0485
184	10.1	9.74	1	2.7953	0.0007	3.796	0	0.0412	0.0036	0.0449
185	10.5	9.77	1	2.7953	0.0007	3.796	0	0.0415	0.0025	0.0441
186	9.8	9.78	1	2.7954	0.0007	3.7961	0	0.0409	0.002	0.0429
187	10.1	9.77	1	2.7958	0.0007	3.7965	0	0.042	0.002	0.044
188	10.1	9.74	1	2.7959	0.0007	3.7966	0	0.0439	0.002	0.0459
189	9.87	9.74	1	2.7961	0.0007	3.7968	0	0.0413	0.002	0.0433
190	9.52	9.76	1	2.7961	0.0007	3.7968	0	0.0395	0.002	0.0415
191	9.69	9.78	1	2.7962	0.0007	3.7969	0	0.0384	0.002	0.0404
192	10.1	9.8	1	2.7958	0.0007	3.7965	0	0.0344	0.002	0.0364
193	9.62	9.8	1	2.7954	0.0007	3.7961	0	0.028	0.002	0.03
194	9.53	9.79	1	2.7954	0.0007	3.7961	0	0.0249	0.002	0.0269
195	9.31	9.76	1	2.7954	0.0007	3.7961	0	0.0238	0.0024	0.0262
196	9.47	9.75	1	2.7952	0.0007	3.7959	0	0.0202	0.0025	0.0228
197	9.42	9.75	1	2.7951	0.0007	3.7958	0	0.0255	0.002	0.0275
198	9.47	9.73	1	2.7948	0.0007	3.7955	0	0.0267	0.0025	0.0293
199	9.99	9.67	1	2.7948	0.0007	3.7955	0	0.0282	0.002	0.0302
200	9.8	9.64	1	2.7941	0.0007	3.7948	0	0.0268	0.002	0.0288
201	9.96	9.63	1	2.7937	0.0007	3.7944	0	0.0279	0.002	0.0299
202	9.91	9.59	1	2.7934	0.0007	3.7941	0	0.0288	0.002	0.0308
203	9.88	9.6	1	2.7931	0.0007	3.7938	0	0.024	0.002	0.026
204	9.91	9.62	1	2.7928	0.0007	3.7935	0	0.0268	0.002	0.0288
205	9.6	9.64	1	2.7931	0.0007	3.7938	0	0.0229	0.0022	0.0251
206	10	9.62	1	2.7928	0.0007	3.7935	0	0.0222	0.003	0.0252
207	9.73	9.61	1	2.7927	0.0007	3.7934	0	0.0268	0.0026	0.0295
208	8.85	9.62	1	2.7925	0.0007	3.7932	0	0.0306	0.0025	0.033
209	8.87	9.57	1	2.7924	0.0008	3.7932	0	0.0304	0.003	0.0334
210	9.48	9.51	1	2.7922	0.0008	3.793	0	0.0287	0.0033	0.032
211	9.42	9.49	1	2.7917	0.0007	3.7924	0	0.0333	0.003	0.0363
212	9.68	9.41	1	2.7917	0.0007	3.7924	0	0.0266	0.003	0.0296
213	9.9	9.34	1	2.7918	0.0007	3.7925	0	0.0261	0.004	0.03

214	9.69	9.29	1	2.7918	0.0007	3.7925	0	0.0289	0.0037	0.0326
215	9.24	9.27	1	2.7917	0.0007	3.7924	0	0.0314	0.003	0.0344
216	9.15	9.21	1	2.7912	0.0007	3.7919	0	0.0247	0.003	0.0277
217	9.59	9.16	1	2.7908	0.0007	3.7915	0	0.0195	0.003	0.0225
218	9.07	9.18	1	2.791	0.0007	3.7917	0	0.0206	0.003	0.0236
219	8.68	9.19	1	2.7908	0.0008	3.7916	0	0.0167	0.003	0.0197
220	9.51	9.18	1	2.7906	0.0007	3.7913	0	0.0104	0.003	0.0134
221	8.55	9.18	1	2.7904	0.0007	3.7911	0	0.0041	0.003	0.0071
222	8.54	9.13	1	2.7901	0.0006	3.7907	0	0.003	0.003	0.006
223	8.97	9.09	1	2.7904	0.0004	3.7908	0	0.003	0.003	0.006
224	9.21	9.04	1	2.7905	0.0002	3.7907	0	0.0031	0.002	0.0051
225	8.87	9.01	1	2.7903	0.0002	3.7905	0	0.0057	0.002	0.0077
226	8.86	9.01	1	2.7902	0.0002	3.7904	0	0.0114	0.002	0.0134
227	9.08	8.99	1	2.7902	0.0002	3.7904	0	0.0164	0.002	0.0184
228	9.19	8.97	1	2.7898	0	3.7899	0	0.0188	0.002	0.0208
229	9.25	8.98	1	2.79	0	3.79	0	0.022	0.002	0.024
230	9.31	8.95	1	2.7898	0	3.7898	0	0.0239	0.002	0.0259
231	8.88	9.02	1	2.79	0.0002	3.7903	0	0.0213	0.002	0.0233
232	9.1	9.07	1	2.7904	0.0004	3.7908	0	0.0194	0.002	0.0214
233	8.74	9.1	1	2.7907	0.0005	3.7912	0	0.0232	0.002	0.0252
234	8.69	9.12	1	2.7908	0.0006	3.7915	0	0.029	0.002	0.031
235	9.09	9.12	1	2.7909	0.0007	3.7916	0	0.0311	0.002	0.0331
236	9.17	9.13	1	2.7908	0.0007	3.7915	0	0.0334	0.002	0.0354
237	8.74	9.15	1	2.7908	0.0007	3.7915	0	0.0366	0.002	0.0386
238	8.84	9.17	1	2.7909	0.0007	3.7916	0	0.0412	0.002	0.0432
239	8.96	9.19	1	2.7908	0.0007	3.7915	0	0.0415	0.002	0.0435
240	9.9	9.21	1	2.7908	0.0007	3.7915	0	0.0444	0.002	0.0464
241	9.53	9.24	1	2.7911	0.0007	3.7918	0	0.0417	0.002	0.0437
242	9.49	9.25	1	2.7914	0.0007	3.7921	0	0.0398	0.002	0.0418
243	9.53	9.31	1	2.7918	0.0007	3.7925	0	0.0347	0.002	0.0367
244	8.98	9.4	1	2.7919	0.0007	3.7926	0	0.0332	0.003	0.0362
245	8.99	9.47	1	2.7919	0.0006	3.7926	0	0.031	0.003	0.034
246	9.46	9.52	1	2.7917	0.0007	3.7924	0	0.0319	0.003	0.0349
247	9.67	9.59	1	2.7916	0.0006	3.7923	0	0.0288	0.003	0.0318
248	9.62	9.68	1	2.7916	0.0006	3.7922	0	0.0272	0.003	0.0302
249	9.65	9.76	1	2.7918	0.0006	3.7924	0	0.0247	0.003	0.0277
250	9.35	9.77	1	2.7918	0.0006	3.7924	0	0.0231	0.003	0.0261

251	9.38	9.79	1	2.792	0.0006	3.7926	0	0.017	0.003	0.02
252	9.92	9.8	1	2.7924	0.0006	3.793	0	0.0124	0.003	0.0154
253	10.2	9.81	1	2.7921	0.0006	3.7927	0	0.0081	0.003	0.0111
254	10.5	9.87	1	2.7924	0.0006	3.793	0	0.0045	0.003	0.0075
255	10.1	9.91	1	2.7923	0.0005	3.7928	0	-0.0024	0.003	0.0006
256	10	9.94	1	2.792	0.0005	3.7926	0	0.003	0.003	0.006
257	10.5	9.97	1	2.7919	0.0006	3.7925	0	0.0029	0.003	0.0059
258	10.5	9.99	1	2.7921	0.0005	3.7926	0	0.0042	0.003	0.0072
259	10.1	10	1	2.7922	0.0006	3.7928	0	0.0041	0.0035	0.0076
260	9.91	10	1	2.792	0.0006	3.7926	0	0.0014	0.0055	0.0069
261	9.58	10.1	1	2.7925	0.0006	3.7931	0	0.0006	0.0058	0.0063
262	9.77	10	1	2.7923	0.0005	3.7928	0	-0.002	0.0043	0.0024
263	10.2	9.99	1	2.7922	0.0005	3.7927	0	-0.0049	0.004	-0.0009
264	9.71	9.96	1	2.7922	0.0005	3.7927	0	-0.0033	0.0031	-0.0001
265	10.1	9.94	1	2.7929	0.0005	3.7934	0	-0.0034	0.003	-0.0004
266	10.1	9.91	1	2.7934	0.0005	3.7939	0	-0.0085	0.003	-0.0055
267	10.1	9.85	1	2.7933	0.0005	3.7938	0	-0.0155	0.003	-0.0125
268	9.96	9.77	1	2.7935	0.0005	3.794	0	-0.0164	0.003	-0.0134
269	9.83	9.73	1	2.7939	0.0005	3.7944	0	-0.0173	0.0033	-0.014
270	9.91	9.74	1	2.7942	0.0005	3.7947	0	-0.0193	0.005	-0.0144
271	9.41	9.77	1	2.7942	0.0005	3.7947	0	-0.0192	0.004	-0.0152
272	9.52	9.79	1	2.7944	0.0005	3.7949	0	-0.0202	0.004	-0.0162
273	9.85	9.77	1	2.7943	0.0005	3.7948	0	-0.0227	0.0027	-0.02
274	9.84	9.75	1	2.7943	0.0005	3.7948	0	-0.0158	0.0002	-0.0157
275	9.38	9.71	1	2.7941	0.0005	3.7946	0	-0.0078	-0.002	-0.0099
276	9.42	9.66	1	2.7938	0.0005	3.7943	0	-0.0018	-0.0024	-0.0042
277	9.14	9.64	1	2.7934	0.0005	3.7939	0	-0.0039	-0.002	-0.0059
278	9.3	9.62	1	2.793	0.0005	3.7935	0	-0.004	-0.002	-0.006
279	10.1	9.63	1	2.7927	0.0005	3.7932	0	-0.008	-0.0038	-0.0118
280	9.98	9.64	1	2.7928	0.0005	3.7933	0	-0.0028	-0.004	-0.0068
281	10.2	9.67	1	2.793	0.0005	3.7935	0	-0.0015	-0.0038	-0.0054
282	9.84	9.68	1	2.7928	0.0005	3.7933	0	0.008	-0.0017	0.0064
283	9.29	9.71	1	2.7923	0.0005	3.7928	0	0.0153	0.0003	0.0156
284	9.33	9.7	1	2.7922	0.0005	3.7927	0	0.0175	0.0014	0.0188
285	9.17	9.75	1	2.792	0.0005	3.7925	0	0.0171	0.0025	0.0195
286	9.72	9.78	1	2.7917	0.0005	3.7922	0	0.0178	0.003	0.0208
287	9.59	9.8	1	2.7917	0.0005	3.7922	0	0.0193	0.003	0.0223

288	10	9.81	1	2.7917	0.0005	3.7922	0	0.0188	0.003	0.0218
289	10.1	9.8	1	2.7917	0.0005	3.7922	0	0.0179	0.003	0.0209
290	9.85	9.79	1	2.792	0.0005	3.7925	0	0.0172	0.003	0.0202
291	9.71	9.78	1	2.7922	0.0005	3.7927	0	0.0176	0.003	0.0206
292	10.4	9.78	1	2.7923	0.0005	3.7928	0	0.0182	0.003	0.0212
293	9.74	9.79	1	2.7921	0.0004	3.7925	0	0.0197	0.003	0.0227
294	10.3	9.82	1	2.7923	0.0004	3.7927	0	0.0238	0.003	0.0268
295	10.1	9.84	1	2.7922	0.0004	3.7926	0	0.0218	0.0026	0.0244
296	9.5	9.86	1	2.7923	0.0004	3.7927	0	0.0201	0.0025	0.0225
297	9.42	9.88	1	2.7924	0.0004	3.7928	0	0.0185	0.003	0.0215
298	9.92	9.86	1	2.7923	0.0004	3.7927	0	0.0174	0.0024	0.0197
299	9.83	9.81	1	2.7925	0.0004	3.7929	0	0.015	0.002	0.017
300	10.1	9.78	1	2.7924	0.0004	3.7928	0	0.0171	0.0029	0.02
301	9.81	9.77	1	2.7925	0.0004	3.7929	0	0.0158	0.0022	0.018
302	9.48	9.73	1	2.7926	0.0004	3.793	0	0.0158	0.003	0.0188
303	9.91	9.72	1	2.7927	0.0004	3.7931	0	0.0211	0.0026	0.0237
304	9.54	9.69	1	2.793	0.0004	3.7934	0	0.0193	0.002	0.0213
305	10.1	9.7	1	2.7928	0.0004	3.7932	0	0.0222	0.0012	0.0234
306	9.93	9.69	1	2.7926	0.0004	3.793	0	0.0208	0.0014	0.0221
307	9.7	9.74	1	2.7923	0.0004	3.7927	0	0.0141	0.0016	0.0158
308	9.2	9.75	1	2.7921	0.0004	3.7924	0	0.0111	0.0032	0.0144
309	9.25	9.75	1	2.7922	0.0003	3.7925	0	0.0105	0.0039	0.0145
310	9.49	9.74	1	2.7921	0.0002	3.7923	0	0.0083	0.0047	0.013
311	9.67	9.75	1	2.7919	0.0003	3.7922	0	0.0058	0.005	0.0108
312	9.54	9.77	1	2.7922	0.0003	3.7925	0	0.0122	0.005	0.0172
313	9.71	9.76	1	2.7921	0.0004	3.7925	0	0.0105	0.0046	0.0152
314	10.4	9.77	1	2.7921	0.0004	3.7925	0	0.0056	0.0074	0.0131
315	9.15	9.74	1	2.7925	0.0004	3.7929	0	0.0018	0.0087	0.0105
316	10.4	9.72	1	2.7927	0.0004	3.7931	0	0.0106	0.008	0.0186
317	10.2	9.74	1	2.7925	0.0004	3.7929	0	0.0135	0.006	0.0195
318	9.75	9.81	1	2.7927	0.0004	3.7931	0	0.0109	0.0023	0.0131
319	9.89	9.83	1	2.7927	0.0003	3.793	0	0.0151	-0.001	0.0141
320	9.98	9.85	1	2.7925	0.0003	3.7928	0	0.0225	-0.002	0.0205
321	9.99	9.86	1	2.7924	0.0003	3.7927	0	0.0283	-0.002	0.0263
322	9.71	9.87	1	2.7923	0.0004	3.7927	0	0.0318	-0.0011	0.0308
323	9.6	9.89	1	2.792	0.0004	3.7924	0	0.0379	0.002	0.0399
324	9.54	9.86	1	2.7913	0.0004	3.7917	0	0.0377	0.003	0.0407

325	9.6	9.87	1	2.7905	0.0004	3.7909	0	0.0365	0.003	0.0395
326	10	9.8	1	2.7906	0.0004	3.791	0	0.0416	0.003	0.0446
327	10.5	9.77	1	2.7906	0.0004	3.791	0	0.0378	0.003	0.0408
328	9.61	9.74	1	2.7906	0.0004	3.791	0	0.0344	0.0026	0.037
329	10	9.68	1	2.7903	0.0004	3.7907	0	0.0348	0.0015	0.0363
330	9.75	9.65	1	2.79	0.0004	3.7904	0	0.0357	0.0005	0.0362
331	9.76	9.59	1	2.7892	0.0004	3.7896	0	0.0386	0	0.0386
332	10.1	9.57	1	2.7888	0.0004	3.7892	0	0.0384	0.0007	0.0391
333	9.85	9.55	1	2.7889	0.0004	3.7893	0	0.0361	0.0018	0.038
334	9.36	9.53	1	2.7891	0.0004	3.7895	0	0.0319	0.0038	0.0357
335	9.04	9.54	1	2.7891	0.0004	3.7895	0	0.0347	0.008	0.0427
336	9.69	9.51	1	2.7888	0.0004	3.7892	0	0.0369	0.0079	0.0448
337	9.11	9.46	1	2.7889	0.0004	3.7893	0	0.0393	0.0072	0.0465
338	8.77	9.47	1	2.7891	0.0004	3.7895	0	0.0433	0.0075	0.0508
339	9.32	9.41	1	2.7891	0.0004	3.7895	0	0.0454	0.0053	0.0507
340	8.82	9.38	1	2.7891	0.0004	3.7895	0	0.046	0.0031	0.0491
341	9.41	9.37	1	2.7893	0.0004	3.7897	0	0.0508	0.0003	0.0511
342	9.16	9.33	1	2.7895	0.0004	3.7899	0	0.0537	-0.001	0.0527
343	9.3	9.3	1	2.7895	0.0004	3.7899	0	0.0601	-0.0017	0.0585
344	9.71	9.3	1	2.7898	0.0004	3.7902	0	0.0626	-0.003	0.0597
345	9.48	9.32	1	2.7899	0.0004	3.7903	0	0.0684	-0.0021	0.0662
346	9.49	9.31	1	2.7899	0.0004	3.7903	0	0.0733	-0.0003	0.0731
347	9.8	9.3	1	2.7899	0.0004	3.7903	0	0.0781	0.0019	0.08
348	8.9	9.31	1	2.7901	0.0004	3.7905	0	0.0746	0.002	0.0766
349	9.26	9.34	1	2.7901	0.0003	3.7904	0	0.072	0.002	0.074
350	9.51	9.38	1	2.7902	0.0004	3.7906	0	0.0701	0.002	0.0721
351	9.33	9.42	1	2.7904	0.0003	3.7907	0	0.0697	0.002	0.0717
352	9.21	9.42	1	2.7903	0.0003	3.7906	0	0.0701	0.0011	0.0712
353	9.33	9.47	1	2.7902	0.0004	3.7906	0	0.0646	0.0005	0.0651
354	9.53	9.48	1	2.7902	0.0005	3.7906	0	0.0597	0.001	0.0607
355	9.42	9.5	1	2.7902	0.0004	3.7906	0	0.055	0.0017	0.0568
356	8.98	9.54	1	2.7906	0.0004	3.791	0	0.0458	0.002	0.0478
357	8.98	9.56	1	2.7908	0.0002	3.791	0	0.0362	0.0011	0.0372
358	9.79	9.63	1	2.7911	0.0001	3.7912	0	0.0228	0.001	0.0238
359	9.69	9.68	1	2.7914	0.0001	3.7915	0	0.0236	0.0005	0.0241
360	10.1	9.73	1	2.7914	0.0001	3.7915	0	0.0233	-0.0015	0.0218
361	9.25	9.82	1	2.7913	0.0001	3.7914	0	0.0218	-0.0017	0.0201

362	10.2	9.9	1	2.7913	0	3.7913	0	0.0194	-0.0007	0.0187
363	9.86	9.94	1	2.7916	-0.0002	3.7914	0	0.0191	-0.001	0.0181
364	9.94	10	1	2.792	-0.0004	3.7916	0	0.0189	-0.0001	0.0187
365	10.3	10	1	2.7918	-0.0003	3.7915	0	0.017	0	0.017
366	10	10.1	1	2.792	-0.0001	3.7919	0	0.0232	0	0.0232
367	10.2	10.1	1	2.7922	0.0003	3.7925	0	0.0298	0.0008	0.0307
368	10.4	10.1	1	2.792	0.0006	3.7926	0	0.0333	0.001	0.0343
369	10.4	10.1	1	2.7917	0.0007	3.7924	0	0.0304	0.0007	0.0311
370	11.1	10.2	1	2.7913	0.0007	3.792	0	0.0339	0	0.0339
371	10.6	10.2	1	2.791	0.0006	3.7916	0	0.0288	0	0.0288
372	10.1	10.2	1	2.7906	0.0003	3.7909	0	0.0246	0	0.0246
373	10.7	10.2	1	2.7905	0.0002	3.7907	0	0.0184	0.0006	0.019
374	10.3	10.2	1	2.7906	0.0002	3.7908	0	0.0126	0.001	0.0136
375	9.81	10.2	1	2.79	0.0002	3.7902	0	0.0014	0.001	0.0024
376	9.59	10.1	1	2.79	0.0002	3.7902	0	-0.0069	0.001	-0.0059
377	9.75	10.1	1	2.79	0.0002	3.7902	0	-0.0082	0.001	-0.0072
378	10.1	10	1	2.7896	0.0003	3.7899	0	-0.0107	0.001	-0.0097
379	10.2	9.97	1	2.7891	0.0005	3.7896	0	-0.0105	0.002	-0.0086
380	10.3	9.89	1	2.789	0.0005	3.7895	0	-0.0102	0.002	-0.0082
381	10	9.83	1	2.7891	0.0004	3.7896	0	-0.0133	0.002	-0.0113
382	10.2	9.78	1	2.7892	0.0003	3.7895	0	-0.0211	0.0012	-0.0198
383	9.43	9.71	1	2.7891	0.0001	3.7892	0	-0.0241	-0.0013	-0.0254
384	9.68	9.68	1	2.7887	-0.0003	3.7884	0	-0.0157	-0.002	-0.0177
385	9.48	9.64	1	2.7883	-0.0003	3.788	0	-0.0096	-0.002	-0.0116
386	9.39	9.62	1	2.7878	-0.0002	3.7876	0	-0.0061	-0.002	-0.0081
387	9	9.59	1	2.7873	-0.0002	3.7871	0	-0.0045	-0.0013	-0.0058
388	9.6	9.54	1	2.7872	0	3.7871	0	0.0002	-0.001	-0.0008
389	9.61	9.5	1	2.7871	0.0002	3.7872	0	-0.0006	-0.001	-0.0016
390	9.39	9.45	1	2.7869	0.0005	3.7874	0	-0.0002	-0.001	-0.0012
391	9.17	9.39	1	2.7868	0.0006	3.7874	0	0.0004	-0.001	-0.0006
392	9.4	9.32	1	2.7863	0.0007	3.7869	0	0.0011	-0.001	0.0001
393	9.69	9.3	1	2.7858	0.0007	3.7865	0	0.0019	-0.001	0.0009
394	9.09	9.27	1	2.7855	0.0006	3.7861	0	0.0017	-0.0014	0.0003
395	9.26	9.25	1	2.7849	0.0004	3.7853	0	0.0051	-0.002	0.0031
396	9.2	9.25	1	2.7845	0.0002	3.7847	0	0.005	-0.002	0.003
397	9.16	9.26	1	2.7849	0.0002	3.7851	0	0.0057	-0.002	0.0037
398	9.49	9.22	1	2.7851	0.0002	3.7853	0	0.0091	-0.002	0.0071

399	9.34	9.2	1	2.7854	0.0002	3.7856	0	0.0103	-0.002	0.0082
400	8.75	9.2	1	2.7855	0.0002	3.7857	0	0.013	-0.0029	0.0101
401	8.95	9.21	1	2.7855	0.0003	3.7858	0	0.0136	-0.0022	0.0114
402	9.08	9.19	1	2.7861	0.0003	3.7865	0	0.02	-0.003	0.017
403	9.03	9.18	1	2.7867	0.0003	3.787	0	0.0248	-0.0026	0.0222
404	9.2	9.22	1	2.7875	0.0002	3.7877	0	0.0243	-0.002	0.0223
405	9.29	9.25	1	2.7882	0.0002	3.7884	0	0.024	-0.0014	0.0226
406	9.13	9.3	1	2.7889	0.0003	3.7892	0	0.0249	-0.0024	0.0225
407	8.98	9.37	1	2.79	0.0003	3.7903	0	0.0331	-0.0022	0.0309
408	9.27	9.36	1	2.7897	0.0003	3.79	0	0.0327	-0.0037	0.029
409	9.3	9.38	1	2.7899	0.0004	3.7903	0	0.0354	-0.0049	0.0305
410	9.26	9.44	1	2.7899	0.0004	3.7903	0	0.0381	-0.005	0.0331
411	9.12	9.48	1	2.79	0.0003	3.7903	0	0.035	-0.005	0.03
412	9.47	9.51	1	2.7903	0.0004	3.7907	0	0.0315	-0.005	0.0265
413	9.92	9.56	1	2.7902	0.0004	3.7906	0	0.025	-0.0056	0.0194
414	9.76	9.61	1	2.7904	0.0004	3.7908	0	0.0198	-0.0084	0.0113
415	10.1	9.62	1	2.7902	0.0004	3.7906	0	0.0214	-0.0097	0.0117
416	10.5	9.65	1	2.7898	0.0003	3.7901	0	0.0166	-0.009	0.0076
417	9.35	9.67	1	2.7891	0.0003	3.7894	0	0.0176	-0.007	0.0105
418	9.86	9.67	1	2.7897	0.0003	3.79	0	0.0226	-0.0033	0.0194
419	9.79	9.7	1	2.7893	0.0003	3.7896	0	0.022	0	0.022
420	9.68	9.75	1	2.7896	0.0003	3.7899	0	0.017	0.001	0.018
421	9.73	9.76	1	2.7899	0.0003	3.7902	0	0.0078	0.001	0.0088
422	10	9.79	1	2.7905	0.0003	3.7908	0	0.0101	0.0001	0.0102
423	10	9.79	1	2.7907	0.0003	3.791	0	0.004	-0.003	0.001
424	9.56	9.8	1	2.7912	0.0003	3.7915	0	0.0027	-0.004	-0.0013
425	9.62	9.79	1	2.7912	0.0003	3.7915	0	0.0017	-0.004	-0.0023
426	9.31	9.76	1	2.7914	0.0003	3.7917	0	-0.0051	-0.004	-0.0091
427	9.33	9.78	1	2.7917	0.0003	3.792	0	-0.0053	-0.004	-0.0093
428	9.86	9.77	1	2.7917	0.0002	3.7919	0	-0.0052	-0.0036	-0.0087
429	10.2	9.81	1	2.7913	0.0002	3.7915	0	-0.0108	-0.0025	-0.0133
430	9.41	9.86	1	2.7913	0.0002	3.7915	0	-0.0109	-0.0015	-0.0124
431	9.94	9.88	1	2.7914	0.0003	3.7916	0	-0.0158	-0.001	-0.0168
432	9.88	9.89	1	2.7913	0.0005	3.7918	0	-0.0156	-0.0017	-0.0173
433	9.98	9.9	1	2.7905	0.0006	3.7911	0	-0.0129	-0.0017	-0.0147
434	10	9.91	1	2.7901	0.0006	3.7907	0	-0.0127	-0.0025	-0.0152
435	9.91	9.9	1	2.7897	0.0006	3.7903	0	-0.0167	-0.005	-0.0217

436	9.64	9.89	1	2.7893	0.0005	3.7898	0	-0.0236	-0.0053	-0.0289
437	9.78	9.89	1	2.7889	0.0005	3.7894	0	-0.0298	-0.0052	-0.035
438	10.4	9.88	1	2.7892	0.0005	3.7897	0	-0.0367	-0.0066	-0.0433
439	10.7	9.82	1	2.7891	0.0005	3.7896	0	-0.0387	-0.0059	-0.0446
440	10	9.8	1	2.789	0.0005	3.7895	0	-0.0387	-0.0041	-0.0428
441	10.3	9.77	1	2.7892	0.0005	3.7897	0	-0.0368	-0.0013	-0.0381
442	10.1	9.76	1	2.7893	0.0005	3.7898	0	-0.0361	0	-0.0361
443	9.79	9.71	1	2.7893	0.0005	3.7898	0	-0.0412	0.0007	-0.0406
444	9.51	9.67	1	2.7892	0.0006	3.7898	0	-0.0438	0.001	-0.0428
445	9.15	9.62	1	2.7894	0.0006	3.79	0	-0.0503	0.0001	-0.0502
446	9.19	9.59	1	2.7893	0.0006	3.7899	0	-0.0599	-0.0017	-0.0616
447	9.71	9.55	1	2.789	0.0006	3.7896	0	-0.0661	-0.0035	-0.0696
448	9.08	9.47	1	2.7891	0.0006	3.7897	0	-0.0644	-0.003	-0.0674
449	9.09	9.38	1	2.7888	0.0006	3.7894	0	-0.0656	-0.003	-0.0686
450	9.34	9.37	1	2.7889	0.0006	3.7895	0	-0.0609	-0.003	-0.0639
451	9.64	9.35	1	2.7884	0.0006	3.789	0	-0.0627	-0.003	-0.0657
452	9.16	9.32	1	2.7878	0.0006	3.7884	0	-0.0624	-0.0021	-0.0645
453	9.15	9.31	1	2.7878	0.0006	3.7884	0	-0.0587	-0.0015	-0.0603
454	8.93	9.33	1	2.7878	0.0006	3.7884	0	-0.0506	-0.002	-0.0526
455	9.05	9.37	1	2.7877	0.0006	3.7883	0	-0.0407	-0.0027	-0.0434
456	9.04	9.4	1	2.7873	0.0006	3.7879	0	-0.0323	-0.003	-0.0353
457	8.95	9.41	1	2.7875	0.0006	3.7881	0	-0.0244	-0.0021	-0.0264
458	8.99	9.45	1	2.7875	0.0006	3.7881	0	-0.0116	-0.002	-0.0136
459	9.82	9.46	1	2.7876	0.0006	3.7882	0	-0.0114	-0.0019	-0.0133
460	9.86	9.46	1	2.7879	0.0006	3.7885	0	-0.0071	-0.001	-0.0081
461	9.59	9.47	1	2.7881	0.0006	3.7887	0	-0.0011	-0.0013	-0.0024
462	9.71	9.51	1	2.7888	0.0006	3.7894	0	0.0036	-0.0016	0.0019
463	9.81	9.53	1	2.7897	0.0006	3.7903	0	0.0089	0	0.0089
464	10	9.57	1	2.7899	0.0006	3.7905	0	0.0106	0	0.0106
465	9.73	9.61	1	2.7902	0.0006	3.7908	0	0.0138	0	0.0138
466	9.87	9.64	1	2.7903	0.0006	3.7909	0	0.005	0	0.005
467	9.78	9.69	1	2.7899	0.0006	3.7905	0	0.0024	-0.0008	0.0016
468	9.23	9.74	1	2.7898	0.0006	3.7904	0	0.0024	-0.001	0.0014
469	9.5	9.76	1	2.79	0.0006	3.7906	0	0.0089	-0.001	0.0079
470	9.79	9.77	1	2.7906	0.0006	3.7912	0	0.0082	-0.001	0.0072
471	9.9	9.82	1	2.79	0.0006	3.7906	0	0.0138	-0.001	0.0128
472	9.45	9.87	1	2.7902	0.0006	3.7908	0	0.0203	-0.001	0.0193

473	9.81	9.88	1	2.7903	0.0006	3.7909	0	0.0284	-0.001	0.0274
474	9.74	9.9	1	2.7905	0.0006	3.7911	0	0.0309	-0.001	0.0299
475	9.57	9.9	1	2.7905	0.0006	3.7911	0	0.0359	-0.001	0.0349
476	9.96	9.93	1	2.7905	0.0006	3.7911	0	0.0389	-0.001	0.0379
477	10	9.94	1	2.7905	0.0006	3.7911	0	0.046	-0.001	0.045
478	10	9.96	1	2.7906	0.0006	3.7912	0	0.0481	-0.001	0.0471
479	10.1	9.96	1	2.7902	0.0006	3.7908	0	0.0505	-0.002	0.0486
480	10.6	9.96	1	2.7905	0.0006	3.7911	0	0.0487	-0.002	0.0467
481	10.5	9.94	1	2.7907	0.0006	3.7913	0	0.0514	-0.002	0.0494
482	10.2	9.98	1	2.7905	0.0005	3.791	0	0.0541	-0.0012	0.0528
483	10.2	9.98	1	2.7904	0.0004	3.7908	0	0.0555	0.0013	0.0568
484	9.81	10	1	2.7904	0.0002	3.7906	0	0.049	0.002	0.051
485	10.3	10	1	2.7906	0.0002	3.7909	0	0.0433	0.002	0.0453
486	10	10	1	2.7908	0.0003	3.7911	0	0.0366	0.002	0.0386
487	9.62	10	1	2.791	0.0004	3.7914	0	0.0338	0.0013	0.0351
488	9.56	10	1	2.791	0.0006	3.7916	0	0.0339	0.001	0.0349
489	9.82	10	1	2.7909	0.0006	3.7915	0	0.0391	0.001	0.0401
490	9.39	10	1	2.7906	0.0006	3.7912	0	0.0418	0.001	0.0428
491	10.3	9.99	1	2.7904	0.0006	3.791	0	0.0429	0.001	0.0439
492	9.87	9.97	1	2.7904	0.0006	3.791	0	0.0444	0.001	0.0454
493	9.98	9.94	1	2.7902	0.0006	3.7908	0	0.0451	0.001	0.0461
494	10.6	9.93	1	2.7905	0.0006	3.7911	0	0.0448	0.0014	0.0462
495	9.89	9.88	1	2.7909	0.0006	3.7915	0	0.0452	0.002	0.0472
496	9.28	9.86	1	2.7911	0.0006	3.7917	0	0.047	0.002	0.049
497	10.2	9.89	1	2.7914	0.0005	3.7919	0	0.0481	0.002	0.0501
498	10.1	9.93	1	2.7917	0.0005	3.7922	0	0.0439	0.003	0.0469
499	10.5	9.95	1	2.7915	0.0005	3.792	0	0.0465	0.003	0.0495
500	10.3	9.98	1	2.7917	0.0005	3.7922	0	0.0406	0.0028	0.0434
501	9.71	9.94	1	2.7917	0.0005	3.7922	0	0.0377	0.002	0.0397
502	9.69	9.92	1	2.792	0.0005	3.7925	0	0.0292	0.002	0.0312
503	9.66	9.9	1	2.7918	0.0005	3.7923	0	0.0234	0.002	0.0254
504	9.38	9.85	1	2.7916	0.0005	3.7921	0	0.0236	0.002	0.0256
505	9.69	9.85	1	2.7914	0.0005	3.7919	0	0.0241	0.002	0.0261
506	10.2	9.86	1	2.7914	0.0005	3.7919	0	0.0245	0.0035	0.0279
507	10.3	9.81	1	2.7912	0.0005	3.7917	0	0.0159	0.0056	0.0215
508	10.3	9.79	1	2.7909	0.0005	3.7914	0	0.019	0.0097	0.0287
509	9.98	9.77	1	2.7906	0.0005	3.7911	0	0.0113	0.012	0.0233

510	9.41	9.76	1	2.7901	0.0005	3.7906	0	0.0089	0.011	0.0199
511	9.55	9.78	1	2.7896	0.0005	3.7901	0	0.0113	0.011	0.0223
512	9.65	9.77	1	2.7894	0.0004	3.7898	0	0.0104	0.0107	0.0211
513	9.63	9.78	1	2.7892	0.0004	3.7896	0	0.015	0.01	0.025
514	9.86	9.8	1	2.789	0.0004	3.7894	0	0.0221	0.01	0.0321
515	9.48	9.8	1	2.7897	0.0004	3.7901	0	0.0223	0.01	0.0323
516	9.22	9.75	1	2.7895	0.0004	3.7899	0	0.0258	0.01	0.0358
517	9.63	9.73	1	2.7889	0.0004	3.7893	0	0.0224	0.01	0.0324
518	10.1	9.71	1	2.7888	0.0004	3.7892	0	0.0174	0.01	0.0274
519	10	9.7	1	2.7885	0.0004	3.7889	0	0.016	0.01	0.026
520	10.1	9.69	1	2.7882	0.0004	3.7886	0	0.0127	0.01	0.0227
521	9.55	9.68	1	2.7879	0.0004	3.7883	0	0.0242	0.01	0.0342
522	9.88	9.67	1	2.7877	0.0004	3.7881	0	0.0239	0.01	0.0339
523	9.73	9.68	1	2.7876	0.0004	3.788	0	0.0245	0.0095	0.0339
524	9.74	9.66	1	2.7876	0.0004	3.788	0	0.0233	0.0076	0.031
525	9.05	9.67	1	2.7873	0.0004	3.7877	0	0.0265	0.0056	0.0321
526	9.96	9.71	1	2.7868	0.0004	3.7872	0	0.0272	0.0029	0.0301
527	9.88	9.72	1	2.7869	0.0004	3.7873	0	0.0265	0.0014	0.0278
528	9.8	9.73	1	2.7866	0.0004	3.787	0	0.0231	0.001	0.0241
529	9.3	9.74	1	2.7864	0.0004	3.7868	0	0.0275	0.0018	0.0293
530	9.26	9.74	1	2.7862	0.0004	3.7866	0	0.0224	0.002	0.0244
531	9.47	9.73	1	2.7859	0.0004	3.7863	0	0.0255	0.002	0.0275
532	9.84	9.75	1	2.7857	0.0004	3.7861	0	0.0296	0.002	0.0316
533	9.5	9.76	1	2.7856	0.0004	3.786	0	0.0247	0.0009	0.0256
534	9.73	9.76	1	2.7858	0.0004	3.7862	0	0.0283	-0.0003	0.0279
535	9.98	9.79	1	2.7861	0.0004	3.7865	0	0.0333	-0.002	0.0313
536	9.72	9.74	1	2.7859	0.0004	3.7863	0	0.0369	-0.0016	0.0353
537	10.4	9.73	1	2.7855	0.0004	3.7859	0	0.0386	-0.001	0.0376
538	10.1	9.69	1	2.7852	0.0004	3.7856	0	0.0467	0.0001	0.0469
539	10.1	9.72	1	2.7849	0.0004	3.7853	0	0.0501	0.0017	0.0517
540	9.52	9.74	1	2.7847	0.0004	3.7851	0	0.0509	0.002	0.0529
541	10.1	9.76	1	2.7848	0.0004	3.7852	0	0.0514	0.002	0.0534
542	9.96	9.73	1	2.7848	0.0004	3.7852	0	0.0481	0.002	0.0501
543	9.82	9.73	1	2.7848	0.0004	3.7852	0	0.0478	0.002	0.0498
544	9.62	9.7	1	2.7847	0.0004	3.7851	0	0.0451	0.002	0.0471
545	8.87	9.66	1	2.7847	0.0004	3.7851	0	0.0466	0.002	0.0486
546	9.81	9.64	1	2.7845	0.0004	3.7849	0	0.0497	0.002	0.0517

547	8.94	9.61	1	2.7846	0.0003	3.7849	0	0.0523	0.0021	0.0543
548	9.84	9.57	1	2.7844	0.0003	3.7847	0	0.0511	0.0014	0.0525
549	9.81	9.52	1	2.7848	0.0003	3.7851	0	0.0508	0.0017	0.0524
550	9.86	9.5	1	2.7851	0.0004	3.7855	0	0.0491	0.002	0.0511
551	9.15	9.46	1	2.7855	0.0004	3.7859	0	0.0513	0.002	0.0533
552	9.5	9.41	1	2.7855	0.0004	3.7859	0	0.0511	0.002	0.0531
553	9.15	9.37	1	2.7854	0.0004	3.7858	0	0.0509	0.002	0.0529
554	9.31	9.37	1	2.7854	0.0004	3.7858	0	0.0477	0.002	0.0497
555	9.39	9.41	1	2.7853	0.0003	3.7856	0	0.0442	0.002	0.0462
556	9.8	9.38	1	2.7857	0	3.7857	0	0.041	0.002	0.043
557	9.23	9.42	1	2.7856	-0.0004	3.7852	0	0.041	0.002	0.043
558	9.23	9.41	1	2.7864	-0.0006	3.7858	0	0.0415	0.002	0.0435
559	9.09	9.39	1	2.7867	-0.0005	3.7862	0	0.0397	0.002	0.0417
560	9.28	9.37	1	2.7868	-0.0005	3.7863	0	0.038	0.002	0.04
561	9.02	9.4	1	2.7871	-0.0005	3.7866	0	0.0318	0.002	0.0338
562	9.09	9.45	1	2.7873	-0.0004	3.7869	0	0.024	0.002	0.026
563	9.59	9.48	1	2.7874	-0.0004	3.787	0	0.0258	0.001	0.0268
564	9.75	9.49	1	2.7876	-0.0004	3.7872	0	0.0189	0.002	0.0209
565	9.23	9.49	1	2.7876	-0.0004	3.7872	0	0.0183	0.002	0.0203
566	9.63	9.49	1	2.788	-0.0004	3.7876	0	0.0267	0.0018	0.0284
567	9.73	9.54	1	2.7882	-0.0004	3.7878	0	0.0263	0.0013	0.0276
568	9.39	9.57	1	2.7882	-0.0004	3.7878	0	0.0188	0.002	0.0208
569	9.41	9.61	1	2.7887	-0.0004	3.7883	0	0.0189	0.0015	0.0204
570	9.81	9.6	1	2.7881	-0.0004	3.7877	0	0.0149	0.001	0.0159
571	10.5	9.6	1	2.7876	-0.0004	3.7872	0	0.0114	0.001	0.0124
572	9.72	9.61	1	2.7878	-0.0003	3.7874	0	0.0112	0.001	0.0122
573	9.4	9.61	1	2.7879	-0.0002	3.7878	0	0.007	0.001	0.008
574	9.42	9.62	1	2.7878	0	3.7879	0	0.0089	0.001	0.0099
575	9.71	9.63	1	2.7878	0.0003	3.7881	0	0.0109	0.001	0.0119
576	10.2	9.62	1	2.7879	0.0005	3.7884	0	0.0055	0.001	0.0065
577	9.95	9.63	1	2.7882	0.0005	3.7887	0	-0.0029	0.001	-0.0019
578	9.86	9.65	1	2.7879	0.0004	3.7883	0	-0.0014	0.001	-0.0004
579	9.03	9.68	1	2.788	0.0004	3.7884	0	-0.0028	0.001	-0.0018
580	9.04	9.69	1	2.788	0.0004	3.7884	0	-0.0057	0.001	-0.0047
581	9.24	9.67	1	2.7877	0.0004	3.7881	0	-0.0097	0.0016	-0.0081
582	9.5	9.71	1	2.788	0.0004	3.7884	0	-0.0115	0.002	-0.0095
583	10	9.71	1	2.7876	0.0004	3.788	0	-0.0183	0.002	-0.0163

584	9.39	9.71	1	2.787	0.0004	3.7874	0	-0.0253	0.002	-0.0233
585	9.56	9.69	1	2.7869	0.0004	3.7873	0	-0.0272	0.002	-0.0252
586	9.74	9.67	1	2.7869	0.0004	3.7873	0	-0.0232	0.002	-0.0212
587	9.84	9.67	1	2.7863	0.0004	3.7867	0	-0.0221	0.002	-0.0201
588	9.94	9.68	1	2.786	0.0004	3.7864	0	-0.0267	0.002	-0.0247
589	9.99	9.75	1	2.7858	0.0004	3.7862	0	-0.0263	0.002	-0.0243
590	10.2	9.79	1	2.7854	0.0004	3.7858	0	-0.0268	0.002	-0.0248
591	10.4	9.81	1	2.7856	0.0004	3.786	0	-0.0271	0.002	-0.0251
592	9.41	9.8	1	2.7856	0.0004	3.786	0	-0.0219	0.002	-0.0199
593	9.4	9.81	1	2.7857	0.0004	3.7861	0	-0.0201	0.002	-0.0181
594	9.39	9.81	1	2.7858	0.0004	3.7862	0	-0.0169	0.002	-0.0149
595	9.69	9.83	1	2.7859	0.0004	3.7863	0	-0.0141	0.002	-0.0121
596	9.98	9.8	1	2.7859	0.0004	3.7863	0	-0.014	0.002	-0.012
597	10.1	9.76	1	2.7862	0.0004	3.7866	0	-0.0127	0.002	-0.0107
598	10.4	9.74	1	2.7866	0.0003	3.787	0	-0.01	0.001	-0.009
599	9.66	9.74	1	2.7866	0.0003	3.7869	0	-0.0127	0.001	-0.0117
600	9.7	9.71	1	2.7866	0.0003	3.7869	0	-0.0131	0.0012	-0.0119
601	9.36	9.68	1	2.7866	0.0003	3.7869	0	-0.0113	0.002	-0.0093
602	10.1	9.69	1	2.7869	0.0003	3.7872	0	-0.0088	0.002	-0.0068
603	9.55	9.74	1	2.787	0.0003	3.7873	0	-0.0058	0.002	-0.0038
604	9.78	9.79	1	2.7871	0.0003	3.7874	0	-0.0018	0.002	0.0002
605	9.28	9.84	1	2.7873	0.0003	3.7876	0	0.0034	0.0028	0.0062
606	9.1	9.84	1	2.7873	0.0003	3.7876	0	0.0093	0.0007	0.0099
607	9.61	9.83	1	2.787	0.0003	3.7873	0	0.018	-0.0016	0.0163
608	9.81	9.83	1	2.7869	0.0003	3.7872	0	0.0202	-0.0047	0.0155
609	9.83	9.86	1	2.7868	0.0003	3.7871	0	0.0284	-0.0071	0.0213
610	9.76	9.88	1	2.7869	0.0003	3.7872	0	0.0318	-0.0068	0.025
611	9.63	9.92	1	2.7872	0.0003	3.7875	0	0.0296	-0.006	0.0236
612	10.4	9.91	1	2.7868	0.0003	3.7871	0	0.0362	-0.0057	0.0305
613	10.3	9.94	1	2.7873	0.0002	3.7875	0	0.0396	-0.005	0.0346
614	10.6	9.96	1	2.7872	0.0002	3.7874	0	0.0414	-0.005	0.0364
615	10.1	10	1	2.787	0.0002	3.7873	0	0.0413	-0.005	0.0363
616	9.94	10.1	1	2.7869	0.0003	3.7872	0	0.036	-0.005	0.031
617	10.4	10.1	1	2.787	0.0002	3.7872	0	0.0412	-0.005	0.0362
618	10.2	10.1	1	2.7869	0.0002	3.7871	0	0.046	-0.005	0.041
619	10.1	10.1	1	2.787	0.0003	3.7873	0	0.0511	-0.005	0.0461
620	10	10.1	1	2.7871	0.0003	3.7874	0	0.057	-0.005	0.052

621	9.92	10.1	1	2.7868	0.0003	3.7871	0	0.0522	-0.005	0.0472
622	10.2	10	1	2.787	0.0003	3.7873	0	0.0492	-0.005	0.0442
623	10.1	9.99	1	2.7867	0.0003	3.787	0	0.0497	-0.0045	0.0452
624	10.1	9.96	1	2.7865	0.0003	3.7868	0	0.0498	-0.0026	0.0472
625	10.3	9.98	1	2.7868	0.0003	3.7871	0	0.0482	-0.0006	0.0475
626	10.1	9.99	1	2.7871	0.0003	3.7874	0	0.0469	0.0021	0.049
627	9.53	9.99	1	2.787	0.0003	3.7873	0	0.0488	0.0036	0.0524
628	9.49	9.98	1	2.7869	0.0003	3.7872	0	0.0555	0.0049	0.0604
629	9.7	9.98	1	2.787	0.0003	3.7873	0	0.0499	0.0042	0.0541
630	9.5	9.97	1	2.7871	0.0002	3.7874	0	0.0505	0.004	0.0545
631	9.68	9.94	1	2.7871	0.0002	3.7873	0	0.0471	0.004	0.0511
632	9.77	9.9	1	2.7875	0.0002	3.7877	0	0.0459	0.0037	0.0497
633	10.1	9.88	1	2.7881	0.0002	3.7883	0	0.0506	0.003	0.0536
634	10.4	9.88	1	2.7885	0.0002	3.7887	0	0.0461	0.003	0.0491
635	10.1	9.84	1	2.7884	0.0002	3.7886	0	0.0383	0.003	0.0413
636	10.4	9.84	1	2.7881	0.0002	3.7883	0	0.036	0.003	0.039
637	9.96	9.84	1	2.7882	0.0002	3.7884	0	0.0378	0.003	0.0408
638	10.2	9.87	1	2.7879	0.0002	3.7881	0	0.0356	0.003	0.0386
639	9.82	9.86	1	2.7876	0.0002	3.7878	0	0.0315	0.0039	0.0354
640	9.27	9.86	1	2.7874	0.0002	3.7876	0	0.0323	0.004	0.0363
641	9.45	9.85	1	2.7869	0.0002	3.7871	0	0.0285	0.004	0.0325
642	9.81	9.85	1	2.7868	0.0002	3.787	0	0.0328	0.0038	0.0367
643	10.1	9.86	1	2.7865	0.0002	3.7867	0	0.0319	0.0032	0.0351
644	9.62	9.81	1	2.7861	0.0002	3.7863	0	0.0299	0.004	0.0339
645	9.98	9.78	1	2.7861	0.0002	3.7863	0	0.0217	0.004	0.0257
646	9.68	9.73	1	2.7858	0.0002	3.786	0	0.0139	0.004	0.0179
647	10	9.72	1	2.7856	0.0002	3.7858	0	0.009	0.0035	0.0125
648	9.51	9.66	1	2.7857	0.0002	3.7859	0	0.007	0.0036	0.0105
649	9.56	9.64	1	2.7861	0.0002	3.7863	0	0.0022	0.0033	0.0055
650	9.43	9.65	1	2.7862	0.0002	3.7864	0	-0.0006	0.003	0.0024
651	9.79	9.67	1	2.7864	0.0002	3.7866	0	-0.002	0.003	0.001
652	10.2	9.65	1	2.786	0.0002	3.7862	0	0.0009	0.003	0.0039
653	9.57	9.62	1	2.7856	0.0002	3.7858	0	0.0019	0.003	0.0049
654	9.56	9.6	1	2.785	0.0001	3.7852	0	0.0031	0.003	0.0061
655	9.42	9.58	1	2.7844	0.0002	3.7846	0	0.0074	0.003	0.0104
656	9.8	9.57	1	2.7839	0.0002	3.7841	0	0.0102	0.003	0.0132
657	9.06	9.56	1	2.7836	0.0001	3.7837	0	0.0145	0.003	0.0175

658	9.46	9.56	1	2.7836	0.0001	3.7837	0	0.0169	0.003	0.0199
659	9.28	9.53	1	2.7835	0.0002	3.7837	0	0.0128	0.003	0.0158
660	9.91	9.52	1	2.7838	0.0001	3.7839	0	0.0167	0.003	0.0197
661	9.5	9.48	1	2.7835	0.0001	3.7836	0	0.0197	0.003	0.0227
662	9.4	9.44	1	2.7833	0.0001	3.7834	0	0.0273	0.003	0.0303
663	9.27	9.43	1	2.7833	0.0001	3.7834	0	0.0256	0.003	0.0286
664	9.67	9.42	1	2.7835	0.0001	3.7836	0	0.0343	0.002	0.0363
665	9.46	9.41	1	2.784	0.0001	3.7841	0	0.0354	0.002	0.0374
666	9.75	9.39	1	2.7839	0.0001	3.784	0	0.0367	0.0022	0.039
667	9.67	9.39	1	2.7836	0.0001	3.7837	0	0.0379	0.0027	0.0406
668	8.84	9.37	1	2.7831	0.0001	3.7832	0	0.0401	0.002	0.0421
669	9.36	9.37	1	2.783	0.0001	3.7831	0	0.0411	0.0025	0.0436
670	9.02	9.31	1	2.7829	0.0001	3.783	0	0.0432	0.003	0.0462
671	9.32	9.33	1	2.7827	0.0001	3.7828	0	0.0446	0.003	0.0476
672	9.44	9.32	1	2.7828	0.0001	3.7829	0	0.0441	0.003	0.0471
673	9.3	9.31	1	2.783	0.0001	3.7831	0	0.045	0.003	0.048
674	9.23	9.3	1	2.783	0.0001	3.7831	0	0.0394	0.0039	0.0433
675	9.4	9.31	1	2.7831	0.0001	3.7832	0	0.0391	0.003	0.0421
676	9.07	9.3	1	2.783	0.0001	3.7831	0	0.0335	0.003	0.0365
677	9.07	9.28	1	2.7826	0	3.7826	0	0.0372	0.003	0.0402
678	9.37	9.31	1	2.7829	0	3.7829	0	0.0373	0.003	0.0403
679	8.79	9.34	1	2.7829	0	3.7829	0	0.0351	0.003	0.0381
680	9.77	9.38	1	2.7833	0	3.7833	0	0.0311	0.003	0.0341
681	9.36	9.37	1	2.7831	0	3.7832	0	0.0319	0.0024	0.0343
682	8.93	9.36	1	2.783	0.0001	3.7831	0	0.0357	0.002	0.0377
683	9.61	9.37	1	2.7829	0.0001	3.783	0	0.0367	0.002	0.0387
684	9.67	9.39	1	2.7832	0.0001	3.7833	0	0.0427	0.002	0.0447
685	9.5	9.4	1	2.7833	0.0001	3.7834	0	0.0397	0.002	0.0417
686	9.23	9.43	1	2.7832	0.0001	3.7833	0	0.0349	0.002	0.0369
687	9.55	9.46	1	2.7828	0.0001	3.7829	0	0.0308	0.002	0.0328
688	9.75	9.49	1	2.7829	0	3.7829	0	0.0279	0.002	0.0299
689	9.81	9.53	1	2.7826	0	3.7826	0	0.0267	0.002	0.0287
690	9.11	9.5	1	2.7826	0	3.7826	0	0.024	0.002	0.026
691	9.33	9.52	1	2.7823	0	3.7823	0	0.0238	0.002	0.0258
692	9.42	9.54	1	2.7824	0.0001	3.7825	0	0.02	0.002	0.022
693	9.74	9.53	1	2.7827	0	3.7827	0	0.0139	0.002	0.0159
694	9.5	9.52	1	2.7837	0	3.7837	0	0.0073	0.002	0.0093

695	9.58	9.52	1	2.7845	0	3.7845	0	-0.0009	0.002	0.0011
696	9.71	9.55	1	2.785	0	3.785	0	0.0034	0.002	0.0054
697	9.99	9.56	1	2.7855	0	3.7855	0	0.0055	0.002	0.0075
698	9.49	9.55	1	2.7864	0	3.7864	0	0.005	0.002	0.007
699	9.16	9.54	1	2.7867	0	3.7867	0	0.0064	0.002	0.0084
700	9.84	9.55	1	2.7868	0	3.7868	0	0.0161	0.002	0.0181
701	9.35	9.58	1	2.7865	0	3.7865	0	0.0204	0.002	0.0224
702	9.37	9.57	1	2.7867	0	3.7867	0	0.0239	0.002	0.0259
703	9.39	9.58	1	2.7867	0	3.7867	0	0.0276	0.002	0.0296
704	9.55	9.59	1	2.7864	0	3.7864	0	0.0302	0.002	0.0322
705	9.81	9.62	1	2.7863	0	3.7863	0	0.0271	0.0012	0.0283
706	9.8	9.62	1	2.7858	0	3.7858	0	0.0205	0.0019	0.0223
707	9.57	9.6	1	2.7853	0	3.7853	0	0.0185	0.002	0.0205
708	9.63	9.63	1	2.7856	0	3.7856	0	0.0142	0.001	0.0152
709	9.22	9.67	1	2.7852	0	3.7852	0	0.0157	0.0012	0.0168
710	9.9	9.69	1	2.7849	0	3.7849	0	0.0201	0.0018	0.0218
711	9.28	9.73	1	2.7845	0	3.7845	0	0.0215	0.001	0.0225
712	9.91	9.77	1	2.7843	0	3.7843	0	0.0213	0.001	0.0223
713	9.66	9.79	1	2.7839	0	3.7839	0	0.0221	0.001	0.0231
714	10.2	9.8	1	2.7836	0	3.7836	0	0.0236	0.001	0.0246
715	9.78	9.75	1	2.7834	0	3.7834	0	0.0246	0.001	0.0256
716	9.53	9.7	1	2.7831	0	3.7831	0	0.029	0.001	0.03
717	9.96	9.68	1	2.783	0	3.783	0	0.0261	0.001	0.0271
718	10.1	9.67	1	2.7828	0	3.7828	0	0.022	0.001	0.023
719	10.2	9.69	1	2.7827	0	3.7827	0	0.0115	0.001	0.0125
720	10.1	9.69	1	2.7826	0	3.7826	0	0.009	0.001	0.01
721	10.1	9.71	1	2.7824	0	3.7824	0	0.0026	0.001	0.0036
722	9.76	9.72	1	2.7825	0	3.7825	0	-0.0051	0.001	-0.0041
723	9.86	9.7	1	2.7828	-0.0001	3.7827	0	0.0012	0.001	0.0022
724	8.88	9.65	1	2.7826	0	3.7826	0	0.004	0.001	0.005
725	8.71	9.62	1	2.7834	0	3.7834	0	-0.0022	0.001	-0.0012
726	9.24	9.63	1	2.7834	0	3.7834	0	-0.0048	0.001	-0.0038
727	9.47	9.62	1	2.7833	0	3.7833	0	-0.0071	0.001	-0.0061
728	9.6	9.64	1	2.7834	0	3.7834	0	-0.018	0.0001	-0.0179
729	9.97	9.64	1	2.7839	0	3.7839	0	-0.0149	0	-0.0149
730	9.67	9.64	1	2.7839	0	3.7839	0	-0.0137	0	-0.0137
731	10.1	9.65	1	2.7835	0	3.7835	0	-0.0082	0	-0.0082

732	9.31	9.67	1	2.7839	0	3.7839	0	-0.0095	0.0003	-0.0093
733	9.14	9.68	1	2.7839	0	3.7839	0	-0.012	0.001	-0.011
734	9.27	9.72	1	2.7845	0	3.7845	0	-0.0151	0.001	-0.0141
735	9.59	9.76	1	2.7849	0	3.7849	0	-0.0115	0.001	-0.0105
736	9.84	9.78	1	2.785	0	3.785	0	-0.0116	0.001	-0.0106
737	10.4	9.79	1	2.7854	0	3.7854	0	-0.015	0.001	-0.014
738	10.2	9.81	1	2.7852	0	3.7852	0	-0.0208	0.001	-0.0198
739	10.1	9.81	1	2.7852	0	3.7852	0	-0.023	0.0001	-0.0229
740	10.2	9.8	1	2.7851	0	3.7851	0	-0.0261	0	-0.0261
741	10.2	9.76	1	2.7849	0	3.7849	0	-0.0271	0	-0.0271
742	10.1	9.78	1	2.7854	0	3.7854	0	-0.0328	0.0002	-0.0326
743	9.63	9.8	1	2.7858	0	3.7858	0	-0.0313	0.0008	-0.0305
744	9.53	9.83	1	2.7862	0	3.7862	0	-0.0342	0	-0.0342
745	9.55	9.83	1	2.7858	0	3.7858	0	-0.0214	0	-0.0214
746	9.69	9.8	1	2.7852	0	3.7852	0	-0.0093	0	-0.0093
747	9.94	9.75	1	2.7851	0	3.7851	0	0.0027	0	0.0027
748	9.96	9.74	1	2.7851	0	3.7851	0	0.0171	0	0.0171
749	9.45	9.73	1	2.7845	0	3.7845	0	0.0309	0	0.0309
750	9.36	9.69	1	2.7842	0	3.7842	0	0.0409	0	0.0409
751	9.66	9.67	1	2.784	0	3.784	0	0.0521	0	0.0521
752	9.54	9.64	1	2.7833	0	3.7833	0	0.061	0	0.061
753	9.79	9.62	1	2.7826	0	3.7826	0	0.0651	0	0.0651
754	9.58	9.6	1	2.7823	0	3.7823	0	0.0662	0	0.0662
755	9.37	9.57	1	2.7823	0	3.7823	0	0.0646	0	0.0646
756	9.42	9.54	1	2.7821	0	3.7821	0	0.0616	0	0.0616
757	10	9.52	1	2.7822	0	3.7822	0	0.0557	0	0.0557
758	10	9.5	1	2.782	0	3.782	0	0.0534	0	0.0534
759	9.35	9.47	1	2.7815	0	3.7815	0	0.0609	0	0.0609
760	9.93	9.48	1	2.7816	0	3.7816	0	0.0557	0	0.0557
761	9.39	9.49	1	2.7813	0	3.7813	0	0.05	0	0.05
762	9.32	9.47	1	2.7811	0	3.7811	0	0.0457	0	0.0457
763	9.18	9.46	1	2.7809	0	3.7809	0	0.0463	0	0.0463
764	8.8	9.47	1	2.7811	0	3.7811	0	0.043	0	0.043
765	9.18	9.47	1	2.7811	0	3.7811	0	0.0397	0	0.0397
766	9.68	9.49	1	2.7813	0	3.7813	0	0.0357	0	0.0357
767	9.4	9.48	1	2.7814	0	3.7814	0	0.0284	0	0.0284
768	9.01	9.47	1	2.7819	0	3.7819	0	0.0251	0	0.0251

769	9.46	9.48	1	2.7821	0	3.7821	0	0.0219	0	0.0219
770	9.94	9.47	1	2.7827	0	3.7827	0	0.0207	0	0.0207
771	9.19	9.49	1	2.7832	0	3.7832	0	0.0189	0	0.0189
772	9.6	9.52	1	2.7827	0	3.7827	0	0.0193	0	0.0193
773	9.63	9.57	1	2.7826	0	3.7826	0	0.0218	0	0.0218
774	9.37	9.62	1	2.7832	0	3.7832	0	0.0227	-0.0009	0.0218
775	9.96	9.66	1	2.7836	0	3.7836	0	0.0194	0	0.0194
776	9.75	9.67	1	2.7837	0	3.7837	0	0.0283	0	0.0283
777	9.77	9.69	1	2.7844	0	3.7844	0	0.0273	0	0.0273
778	9.61	9.74	1	2.7844	0	3.7844	0	0.0199	0	0.0199
779	9.79	9.74	1	2.7843	0	3.7843	0	0.012	0	0.012
780	9.77	9.74	1	2.7841	0	3.7841	0	0.0101	0	0.0101
781	9.79	9.76	1	2.7841	0	3.7841	0	0.0073	0	0.0073
782	10.1	9.75	1	2.7842	0	3.7842	0	0.0001	0	0.0001
783	9.78	9.74	1	2.7845	0	3.7845	0	0.0024	0	0.0024
784	9.9	9.79	1	2.7844	0	3.7844	0	0.0022	0	0.0022
785	9.86	9.78	1	2.7845	0	3.7845	0	0.0102	0	0.0102
786	9.8	9.81	1	2.7847	0	3.7847	0	0.0144	0	0.0144
787	10	9.83	1	2.7849	0	3.7849	0	0.0163	0	0.0163
788	9.45	9.88	1	2.7852	0	3.7852	0	0.0206	0	0.0206
789	9.92	9.9	1	2.7852	0	3.7852	0	0.0209	0	0.0209
790	9.66	9.89	1	2.7853	0	3.7853	0	0.0229	0.0004	0.0233
791	9.3	9.88	1	2.7856	0	3.7856	0	0.0237	0.001	0.0247
792	9.55	9.86	1	2.7856	0	3.7856	0	0.024	0.001	0.025
793	10.2	9.9	1	2.7862	0	3.7862	0	0.0317	0.001	0.0327
794	9.91	9.88	1	2.7858	0	3.7858	0	0.0383	0.001	0.0393
795	10.3	9.89	1	2.7854	0	3.7854	0	0.0467	0.001	0.0477
796	10.1	9.92	1	2.7847	0	3.7847	0	0.0464	0.001	0.0474
797	10.5	9.93	1	2.7838	0	3.7838	0	0.0417	0.001	0.0427
798	10.2	9.94	1	2.7833	0	3.7833	0	0.0457	0.001	0.0467
799	9.76	9.94	1	2.7826	0	3.7826	0	0.0501	0.001	0.0511
800	9.53	9.94	1	2.7816	0	3.7816	0	0.0426	0.0001	0.0427
801	9.75	9.96	1	2.7804	0	3.7804	0	0.037	0.001	0.038
802	10.5	9.97	1	2.7802	0	3.7802	0	0.0334	0.001	0.0344
803	9.55	9.93	1	2.7801	0	3.7801	0	0.0235	0.001	0.0245
804	9.95	9.91	1	2.7799	0	3.7799	0	0.0126	0.0008	0.0134
805	10.5	9.9	1	2.7802	0	3.7802	0	0.0049	0	0.0049

806	10.1	9.86	1	2.7803	0	3.7803	0	0.0089	0	0.0089
807	9.71	9.8	1	2.78	0	3.78	0	0.0103	0	0.0103
808	9.92	9.75	1	2.7795	0	3.7795	0	0.0176	0.0003	0.0179
809	9.62	9.76	1	2.7796	0	3.7796	0	0.0205	0.001	0.0215
810	9.66	9.74	1	2.7799	0	3.7799	0	0.0233	0.001	0.0243
811	9.81	9.73	1	2.7799	0	3.7799	0	0.0285	0.001	0.0295
812	9.38	9.69	1	2.7796	0	3.7796	0	0.0255	0.001	0.0265
813	9.53	9.68	1	2.7796	0	3.7796	0	0.0229	0.001	0.0239
814	10	9.65	1	2.7797	0	3.7797	0	0.0244	0.001	0.0254
815	9.37	9.58	1	2.7798	0	3.7798	0	0.0241	0.001	0.0251
816	9.28	9.53	1	2.7803	0	3.7803	0	0.0249	0.001	0.0259
817	9.28	9.5	1	2.7805	0	3.7805	0	0.0291	0.001	0.0301
818	9.92	9.52	1	2.7806	0	3.7806	0	0.0278	0.001	0.0288
819	9.26	9.52	1	2.7806	0	3.7806	0	0.0315	0.001	0.0325
820	9.47	9.5	1	2.7807	0	3.7807	0	0.0327	0.001	0.0337
821	9.86	9.52	1	2.7805	0	3.7805	0	0.0359	0.001	0.0369
822	9.35	9.54	1	2.7803	0	3.7803	0	0.0369	0.001	0.0379
823	9.25	9.56	1	2.7805	0	3.7805	0	0.0306	0.001	0.0316
824	9.27	9.54	1	2.7807	0	3.7807	0	0.03	0.001	0.031
825	9.09	9.54	1	2.7806	0	3.7806	0	0.0316	0.001	0.0326
826	9.17	9.55	1	2.7806	0	3.7806	0	0.031	0.001	0.032
827	10.2	9.55	1	2.7813	0	3.7813	0	0.0314	0.001	0.0324
828	9.74	9.53	1	2.7822	0	3.7822	0	0.0412	0.001	0.0422
829	9.26	9.56	1	2.7829	0	3.7829	0	0.0438	0.001	0.0448
830	10.2	9.57	1	2.7832	0	3.7832	0	0.0494	0.001	0.0504
831	9.75	9.56	1	2.7835	0	3.7835	0	0.051	0.001	0.052
832	9.85	9.59	1	2.7836	0	3.7836	0	0.0455	0.001	0.0465
833	9.66	9.62	1	2.7836	0	3.7836	0	0.0453	0.001	0.0463
834	9.47	9.66	1	2.7835	0	3.7835	0	0.0499	0.001	0.0509
835	9.34	9.72	1	2.7835	0	3.7835	0	0.0492	0.0015	0.0507
836	9.38	9.76	1	2.7834	0	3.7834	0	0.0518	0.002	0.0538
837	9.47	9.73	1	2.7833	0	3.7833	0	0.0566	0.0013	0.0579
838	9.79	9.75	1	2.7831	0	3.7831	0	0.0596	0.001	0.0606
839	9.73	9.79	1	2.7829	0	3.7829	0	0.0614	0.001	0.0624
840	9.73	9.76	1	2.7827	-0.0001	3.7826	0	0.062	0.001	0.063
841	9.78	9.76	1	2.7825	-0.0001	3.7824	0	0.0637	0.001	0.0647
842	9.8	9.76	1	2.7822	-0.0001	3.7821	0	0.0678	0.001	0.0688

843	10	9.73	1	2.7819	-0.0001	3.7818	0	0.0666	0.001	0.0676
844	10.4	9.75	1	2.7816	-0.0001	3.7815	0	0.0686	0.001	0.0696
845	9.85	9.78	1	2.7811	-0.0001	3.781	0	0.0647	0.001	0.0657
846	9.59	9.8	1	2.7811	-0.0001	3.781	0	0.0576	0.001	0.0586
847	10.2	9.84	1	2.7805	-0.0001	3.7804	0	0.0523	0.001	0.0533
848	9.9	9.84	1	2.78	-0.0001	3.7799	0	0.0443	0.001	0.0453
849	9.76	9.83	1	2.7802	0	3.7802	0	0.0383	0.001	0.0393
850	9.83	9.82	1	2.7805	-0.0001	3.7804	0	0.0236	0.0014	0.025
851	9.76	9.83	1	2.7806	-0.0001	3.7805	0	0.0081	0.002	0.0101
852	9.17	9.85	1	2.7809	-0.0001	3.7808	0	-0.0064	0.002	-0.0044
853	9.69	9.83	1	2.7813	-0.0001	3.7812	0	-0.0119	0.002	-0.0099
854	9.97	9.79	1	2.7818	0	3.7818	0	-0.0132	0.002	-0.0112
855	9.76	9.79	1	2.7814	0	3.7814	0	-0.0122	0.002	-0.0102
856	10.2	9.83	1	2.781	0	3.781	0	-0.0047	0.002	-0.0027
857	9.94	9.81	1	2.7804	0	3.7804	0	0.0037	0.002	0.0057
858	9.47	9.81	1	2.7799	-0.0001	3.7798	0	0.0046	0.002	0.0066
859	9.49	9.8	1	2.7792	-0.0001	3.7791	0	-0.0006	0.002	0.0014
860	9.97	9.79	1	2.7788	-0.0001	3.7787	0	0.0043	0.002	0.0063
861	10.2	9.77	1	2.7788	-0.0001	3.7787	0	0.0117	0.002	0.0137
862	9.7	9.79	1	2.7788	-0.0001	3.7787	0	0.0109	0.002	0.0129
863	9.7	9.74	1	2.7785	-0.0001	3.7784	0	0.0091	0.002	0.0111
864	9.86	9.69	1	2.7786	-0.0001	3.7785	0	0.009	0.002	0.011
865	10.2	9.68	1	2.7786	-0.0001	3.7785	0	0.0128	0.002	0.0148
866	9.93	9.61	1	2.7784	-0.0001	3.7783	0	0.0119	0.002	0.0139
867	9.76	9.54	1	2.7786	-0.0001	3.7785	0	0.016	0.002	0.018
868	9.7	9.52	1	2.7788	-0.0001	3.7787	0	0.019	0.002	0.021
869	9.67	9.49	1	2.7788	-0.0001	3.7787	0	0.02	0.002	0.022
870	9.38	9.42	1	2.7791	-0.0001	3.779	0	0.0194	0.002	0.0214
871	9.41	9.39	1	2.7795	-0.0001	3.7794	0	0.0204	0.002	0.0224
872	8.85	9.37	1	2.7796	-0.0001	3.7795	0	0.0136	0.002	0.0156
873	9.03	9.32	1	2.7796	-0.0001	3.7795	0	0.0118	0.002	0.0138
874	9.44	9.3	1	2.7801	-0.0001	3.78	0	0.0091	0.002	0.0111
875	8.97	9.26	1	2.7804	-0.0001	3.7803	0	0.0124	0.0023	0.0147
876	8.6	9.23	1	2.7806	-0.0001	3.7805	0	0.0048	0.0026	0.0074
877	8.93	9.22	1	2.7803	-0.0001	3.7802	0	0.002	0.0025	0.0045
878	8.93	9.22	1	2.78	-0.0001	3.7799	0	0.0078	0.003	0.0108
879	8.77	9.2	1	2.7794	-0.0001	3.7793	0	0.016	0.003	0.019

880	9.59	9.22	1	2.779	-0.0001	3.7789	0	0.0265	0.003	0.0295
881	9.28	9.26	1	2.7796	-0.0001	3.7795	0	0.0344	0.003	0.0374
882	8.82	9.3	1	2.7796	-0.0001	3.7795	0	0.0432	0.003	0.0462
883	9.37	9.37	1	2.7795	-0.0001	3.7794	0	0.0434	0.003	0.0464
884	9.58	9.38	1	2.7795	-0.0002	3.7793	0	0.047	0.003	0.05
885	9.32	9.42	1	2.7793	-0.0002	3.7791	0	0.0404	0.003	0.0434
886	9.6	9.49	1	2.779	-0.0001	3.7789	0	0.037	0.003	0.04
887	9.56	9.54	1	2.7789	-0.0001	3.7788	0	0.0326	0.003	0.0356
888	9.32	9.58	1	2.779	-0.0001	3.7789	0	0.032	0.003	0.035
889	9.85	9.62	1	2.779	-0.0001	3.7789	0	0.0273	0.003	0.0303
890	10.1	9.61	1	2.7789	-0.0001	3.7788	0	0.0261	0.0025	0.0287
891	9.66	9.61	1	2.7788	-0.0001	3.7787	0	0.0249	0.001	0.0259
892	10.3	9.63	1	2.7789	-0.0001	3.7788	0	0.0226	0.001	0.0236
893	9.73	9.63	1	2.7793	-0.0001	3.7792	0	0.02	0.001	0.021
894	9.6	9.6	1	2.7793	-0.0001	3.7792	0	0.0186	0.001	0.0196
895	10.1	9.6	1	2.7797	-0.0001	3.7796	0	0.0187	0.001	0.0197
896	9.85	9.61	1	2.7795	-0.0001	3.7794	0	0.0138	0.001	0.0148
897	9.66	9.66	1	2.7794	-0.0001	3.7793	0	0.0127	0.001	0.0137
898	9.48	9.66	1	2.7795	-0.0001	3.7794	0	0.0073	0.001	0.0083
899	9.44	9.67	1	2.7802	-0.0001	3.7801	0	0.0018	0.001	0.0028
900	9.25	9.67	1	2.7808	-0.0002	3.7806	0	0.0001	0.0019	0.0021
901	9.31	9.7	1	2.7811	-0.0002	3.7809	0	0.0004	0.001	0.0014
902	9.26	9.65	1	2.7814	-0.0002	3.7812	0	0.008	0.001	0.009
903	9.08	9.65	1	2.7814	-0.0002	3.7812	0	0.0114	0.001	0.0124
904	9.3	9.65	1	2.7812	-0.0002	3.781	0	0.0172	0.0012	0.0184
905	9.89	9.66	1	2.7806	-0.0002	3.7804	0	0.0241	0.002	0.0261
906	10.5	9.67	1	2.7799	-0.0002	3.7797	0	0.018	0.002	0.02
907	9.38	9.7	1	2.7795	-0.0002	3.7793	0	0.013	0.002	0.015
908	10	9.72	1	2.7796	-0.0002	3.7794	0	0.0097	0.0017	0.0114
909	10.1	9.71	1	2.7792	-0.0002	3.779	0	0.0062	0.001	0.0072
910	10.2	9.7	1	2.7787	-0.0002	3.7785	0	-0.0043	0.001	-0.0033
911	9.36	9.73	1	2.7788	-0.0002	3.7786	0	-0.0107	0.001	-0.0097
912	9.65	9.72	1	2.7787	-0.0002	3.7785	0	-0.0099	0.001	-0.0089
913	9.78	9.72	1	2.7787	-0.0002	3.7785	0	-0.0135	0.001	-0.0125
914	10.1	9.7	1	2.7784	-0.0002	3.7782	0	-0.0201	0.001	-0.0191
915	10.1	9.67	1	2.7786	-0.0002	3.7784	0	-0.0195	0.001	-0.0185
916	10.2	9.63	1	2.7787	-0.0002	3.7785	0	-0.0192	0.001	-0.0182

917	9.84	9.64	1	2.7786	-0.0002	3.7784	0	-0.021	0.001	-0.02
918	9.24	9.6	1	2.7786	-0.0002	3.7784	0	-0.0215	0.001	-0.0205
919	9.07	9.57	1	2.7787	-0.0002	3.7785	0	-0.016	0.001	-0.015
920	9.89	9.53	1	2.7787	-0.0002	3.7785	0	-0.0123	0.001	-0.0113
921	9.08	9.55	1	2.7791	-0.0002	3.7789	0	-0.0035	0.001	-0.0025
922	9.08	9.57	1	2.7791	-0.0002	3.7789	0	-0.0003	0.001	0.0007
923	8.89	9.56	1	2.7796	-0.0002	3.7794	0	-0.0009	0.001	0.0001
924	9.26	9.59	1	2.7794	-0.0002	3.7792	0	-0.003	0.001	-0.002
925	9.7	9.57	1	2.7801	-0.0003	3.7798	0	-0.0004	0.001	0.0006
926	9.62	9.57	1	2.7804	-0.0002	3.7802	0	0.0013	0.001	0.0023
927	9.25	9.57	1	2.7805	-0.0003	3.7802	0	0.0027	0.001	0.0037
928	9.56	9.62	1	2.7806	-0.0003	3.7803	0	0.0013	0.001	0.0023
929	9.41	9.67	1	2.7802	-0.0003	3.7799	0	-0.0035	0.001	-0.0025
930	9.73	9.68	1	2.7798	-0.0003	3.7795	0	-0.0086	0.001	-0.0076
931	10	9.72	1	2.7792	-0.0003	3.7789	0	-0.01	0.001	-0.009
932	9.54	9.74	1	2.7793	-0.0003	3.779	0	-0.0064	0.001	-0.0054
933	10.6	9.76	1	2.7789	-0.0003	3.7786	0	-0.0047	0.001	-0.0037
934	9.83	9.81	1	2.7795	-0.0003	3.7792	0	-0.0064	0.001	-0.0054
935	10.2	9.81	1	2.7798	-0.0003	3.7795	0	-0.0056	0.0005	-0.0051
936	9.91	9.83	1	2.7801	-0.0003	3.7798	0	-0.003	0	-0.003
937	10	9.88	1	2.7801	-0.0003	3.7798	0	-0.0029	0.0007	-0.0023
938	10	9.9	1	2.7804	-0.0003	3.7801	0	-0.0012	0.001	-0.0002
939	10.2	9.93	1	2.7803	-0.0003	3.78	0	0.006	0.001	0.007
940	9.77	9.94	1	2.7802	-0.0002	3.78	0	0.0118	0.001	0.0128
941	9.55	9.91	1	2.7803	-0.0002	3.7801	0	0.0112	0.001	0.0122
942	9.33	9.91	1	2.7802	-0.0002	3.78	0	0.0134	0.001	0.0144
943	10.1	9.85	1	2.7801	-0.0002	3.7799	0	0.0145	0.001	0.0155
944	9.86	9.84	1	2.7797	-0.0002	3.7795	0	0.0194	0.001	0.0204
945	9.86	9.81	1	2.7797	-0.0002	3.7795	0	0.0245	0.001	0.0255
946	10.2	9.8	1	2.7798	-0.0002	3.7796	0	0.0241	0.001	0.0251
947	10	9.8	1	2.7798	-0.0002	3.7796	0	0.0161	0.001	0.0171
948	10	9.78	1	2.7799	-0.0002	3.7797	0	0.017	0.001	0.018
949	9.89	9.77	1	2.7802	-0.0002	3.78	0	0.0168	0.001	0.0178
950	9.48	9.74	1	2.7805	-0.0002	3.7803	0	0.0236	0.0006	0.0242
951	9.42	9.73	1	2.7798	-0.0002	3.7796	0	0.0294	0	0.0294
952	9.51	9.76	1	2.7798	-0.0002	3.7796	0	0.0296	0.0002	0.0298
953	9.67	9.74	1	2.7796	-0.0002	3.7794	0	0.0294	0.001	0.0304

954	9.55	9.73	1	2.7794	-0.0002	3.7792	0	0.0271	0.001	0.0281
955	9.81	9.71	1	2.7796	-0.0002	3.7794	0	0.0241	0.001	0.0251
956	9.93	9.67	1	2.7797	-0.0002	3.7795	0	0.023	0.001	0.024
957	9.74	9.63	1	2.7794	-0.0002	3.7792	0	0.0184	0.001	0.0194
958	9.86	9.62	1	2.7793	-0.0002	3.7791	0	0.0158	0.001	0.0168
959	9.33	9.61	1	2.7796	-0.0002	3.7794	0	0.0176	0.0004	0.018
960	9.33	9.65	1	2.7799	-0.0002	3.7797	0	0.0129	0	0.0129
961	9.8	9.68	1	2.7798	-0.0002	3.7796	0	0.0098	0	0.0098
962	9.84	9.67	1	2.7802	-0.0002	3.78	0	0.0154	0	0.0154
963	9.61	9.68	1	2.7805	-0.0002	3.7803	0	0.0162	0	0.0162
964	9.43	9.69	1	2.7806	-0.0002	3.7804	0	0.0139	0	0.0139
965	9.38	9.69	1	2.7805	-0.0002	3.7803	0	0.0091	0	0.0091
966	9.36	9.67	1	2.7805	-0.0002	3.7803	0	0.011	0	0.011
967	9.78	9.67	1	2.7808	-0.0002	3.7806	0	0.0102	0	0.0102
968	9.82	9.68	1	2.7804	-0.0002	3.7802	0	0.0074	0.0002	0.0075
969	10.1	9.7	1	2.7801	-0.0002	3.7799	0	0.0085	0.001	0.0095
970	9.96	9.71	1	2.7794	-0.0002	3.7792	0	0.0083	0.001	0.0093
971	9.45	9.71	1	2.7795	-0.0002	3.7793	0	0.0062	0.001	0.0072
972	9.76	9.71	1	2.7797	-0.0002	3.7795	0	0.0079	0.001	0.0089
973	9.71	9.7	1	2.7799	-0.0002	3.7797	0	0.0094	0.001	0.0104
974	9.91	9.7	1	2.7801	-0.0002	3.7799	0	0.0159	0.001	0.0169
975	9.56	9.71	1	2.7803	-0.0002	3.7801	0	0.0115	0.0007	0.0122
976	9.73	9.75	1	2.7803	-0.0002	3.7801	0	0.0169	0.0004	0.0173
977	9.94	9.75	1	2.7802	-0.0002	3.78	0	0.0152	0.0005	0.0157
978	9.77	9.76	1	2.7804	-0.0002	3.7802	0	0.014	0	0.014
979	9.51	9.78	1	2.7802	-0.0002	3.78	0	0.0182	0	0.0182
980	9.92	9.77	1	2.78	-0.0002	3.7798	0	0.0141	0	0.0141
981	9.7	9.77	1	2.7802	-0.0002	3.78	0	0.0087	0	0.0087
982	9.43	9.78	1	2.7801	-0.0002	3.7799	0	0.0076	0	0.0076
983	9.52	9.8	1	2.7801	-0.0002	3.7799	0	0.0091	0	0.0091
984	9.56	9.79	1	2.78	-0.0002	3.7798	0	0.0043	0	0.0043
985	10.1	9.78	1	2.7796	-0.0002	3.7794	0	0.0138	0	0.0138
986	9.77	9.77	1	2.7793	-0.0002	3.7791	0	0.017	0	0.017
987	10	9.74	1	2.779	-0.0002	3.7788	0	0.0204	0.0007	0.021
988	10.5	9.72	1	2.7784	-0.0002	3.7782	0	0.0225	0.0038	0.0263
989	9.75	9.73	1	2.7778	-0.0002	3.7776	0	0.0259	0.0081	0.034
990	9.54	9.71	1	2.7778	-0.0002	3.7776	0	0.0232	0.009	0.0322

991	9.87	9.71	1	2.7775	-0.0002	3.7773	0	0.0221	0.009	0.0311
992	10.1	9.71	1	2.7774	-0.0002	3.7772	0	0.0217	0.0079	0.0296
993	9.63	9.72	1	2.7773	-0.0002	3.7771	0	0.0173	0.0056	0.0228
994	9.47	9.73	1	2.7769	-0.0002	3.7767	0	0.012	0.003	0.015
995	9.49	9.71	1	2.7773	-0.0002	3.7771	0	0.0107	0.0023	0.013
996	9.49	9.68	1	2.7779	-0.0002	3.7777	0	0.0161	0.001	0.0171
997	9.29	9.64	1	2.7777	-0.0002	3.7775	0	0.019	0.0015	0.0205
998	9.68	9.6	1	2.7778	-0.0002	3.7776	0	0.0178	0.0014	0.0192
999	9.55	9.62	1	2.7779	-0.0002	3.7777	0	0.0183	0.0017	0.02
1000	9.73	9.65	1	2.7778	-0.0002	3.7776	0	0.0232	0.002	0.0252
1001	9.39	9.67	1	2.7781	-0.0002	3.7779	0	0.0281	0.002	0.0301
1002	9.77	9.63	1	2.7785	-0.0003	3.7782	0	0.0249	0.002	0.0269
1003	9.82	9.63	1	2.7787	-0.0003	3.7784	0	0.024	0.002	0.026
1004	9.51	9.66	1	2.7787	-0.0003	3.7784	0	0.021	0.002	0.023
1005	9.27	9.66	1	2.7783	-0.0003	3.778	0	0.0154	0.002	0.0174
1006	9.39	9.68	1	2.778	-0.0003	3.7777	0	0.0197	0.002	0.0217
1007	9.63	9.68	1	2.7779	-0.0003	3.7776	0	0.0233	0.002	0.0253
1008	10.2	9.64	1	2.7778	-0.0002	3.7776	0	0.0238	0.002	0.0258
1009	10.1	9.63	1	2.7779	-0.0002	3.7777	0	0.0233	0.002	0.0253
1010	10.3	9.64	1	2.7778	-0.0002	3.7776	0	0.0256	0.002	0.0276
1011	9.37	9.65	1	2.7773	-0.0002	3.7771	0	0.0296	0.002	0.0316
1012	9.59	9.64	1	2.7771	-0.0002	3.7769	0	0.0328	0.0013	0.034
1013	9.94	9.65	1	2.7773	-0.0002	3.7771	0	0.0432	0.001	0.0442
1014	9.56	9.66	1	2.7775	-0.0002	3.7773	0	0.0482	0.001	0.0492
1015	9.79	9.68	1	2.7775	-0.0002	3.7773	0	0.046	0.001	0.047
1016	9.35	9.69	1	2.7776	-0.0002	3.7774	0	0.0392	0.001	0.0402
1017	8.91	9.69	1	2.7779	-0.0002	3.7776	0	0.0381	0.001	0.0391
1018	9.32	9.64	1	2.7777	-0.0003	3.7774	0	0.0354	0.001	0.0364
1019	9.92	9.62	1	2.7779	-0.0003	3.7776	0	0.0273	0.001	0.0283
1020	9.58	9.62	1	2.7781	-0.0003	3.7778	0	0.0235	0.001	0.0245
1021	9.57	9.64	1	2.7783	-0.0003	3.778	0	0.0145	0.0015	0.016
1022	10.2	9.66	1	2.7782	-0.0003	3.7779	0	0.0131	0.002	0.0151
1023	9.62	9.67	1	2.778	-0.0003	3.7777	0	0.0122	0.002	0.0142
1024	9.72	9.71	1	2.7783	-0.0003	3.778	0	0.0117	0.0012	0.0129
1025	9.58	9.71	1	2.7784	-0.0003	3.7781	0	0.0104	0.001	0.0114
1026	9.51	9.75	1	2.7789	-0.0003	3.7786	0	0.0152	0.001	0.0162
1027	9.18	9.8	1	2.7791	-0.0003	3.7788	0	0.0132	0.001	0.0142

1028	9.83	9.84	1	2.7788	-0.0003	3.7785	0	0.0152	0.001	0.0162
1029	10.3	9.84	1	2.7788	-0.0003	3.7785	0	0.0263	0.0013	0.0275
1030	9.74	9.86	1	2.7789	-0.0003	3.7786	0	0.0195	0.0017	0.0212
1031	9.96	9.86	1	2.7784	-0.0003	3.7781	0	0.0167	0.001	0.0177
1032	10.1	9.86	1	2.7784	-0.0003	3.7781	0	0.0209	0.001	0.0219
1033	10.4	9.86	1	2.7785	-0.0003	3.7782	0	0.022	0.001	0.023
1034	9.8	9.87	1	2.7781	-0.0003	3.7778	0	0.0302	0.001	0.0312
1035	10	9.87	1	2.7781	-0.0003	3.7778	0	0.0342	0.001	0.0352
1036	9.92	9.89	1	2.7781	-0.0004	3.7777	0	0.0289	0.001	0.0299
1037	10.1	9.92	1	2.7779	-0.0007	3.7772	0	0.0226	0.001	0.0236
1038	9.83	9.93	1	2.7778	-0.0011	3.7767	0	0.0158	0.0001	0.0159
1039	9.91	9.92	1	2.778	-0.0012	3.7768	0	0.0047	0	0.0047
1040	9.64	9.9	1	2.778	-0.0011	3.7769	0	-0.0043	0	-0.0043
1041	10.2	9.9	1	2.7781	-0.001	3.7771	0	-0.003	0.001	-0.002
1042	9.62	9.87	1	2.7785	-0.0008	3.7777	0	-0.0074	0.002	-0.0054
1043	9.77	9.82	1	2.7789	-0.0005	3.7784	0	-0.0089	0.002	-0.0069
1044	9.65	9.83	1	2.7786	-0.0004	3.7782	0	-0.0108	0.0017	-0.009
1045	9.83	9.81	1	2.7781	-0.0003	3.7778	0	-0.0118	0.001	-0.0108
1046	9.84	9.8	1	2.7779	-0.0004	3.7775	0	-0.0054	0.001	-0.0044
1047	10.1	9.79	1	2.778	-0.0003	3.7777	0	0.003	0.001	0.004
1048	10.1	9.79	1	2.778	-0.0004	3.7777	0	0.0037	0.0016	0.0053
1049	9.39	9.76	1	2.7779	-0.0004	3.7775	0	0.0094	0.002	0.0114
1050	9.83	9.75	1	2.7776	-0.0004	3.7772	0	0.0126	0.002	0.0146
1051	9.61	9.71	1	2.7773	-0.0004	3.7769	0	0.0151	0.0011	0.0162
1052	9.41	9.72	1	2.7774	-0.0004	3.777	0	0.0209	0.0018	0.0226
1053	10	9.73	1	2.7775	-0.0004	3.7771	0	0.023	0	0.023
1054	9.58	9.71	1	2.7779	-0.0004	3.7775	0	0.031	0	0.031
1055	9.87	9.68	1	2.7777	-0.0004	3.7773	0	0.033	-0.0003	0.0328
1056	9.89	9.68	1	2.7774	-0.0004	3.777	0	0.0329	-0.001	0.0319
1057	9.8	9.68	1	2.7771	-0.0004	3.7767	0	0.0299	-0.001	0.0289
1058	9.35	9.64	1	2.777	-0.0004	3.7766	0	0.0286	-0.001	0.0276
1059	9.38	9.67	1	2.7771	-0.0004	3.7767	0	0.0255	-0.0004	0.0251
1060	9.6	9.66	1	2.7769	-0.0004	3.7765	0	0.0193	0	0.0193
1061	9.78	9.66	1	2.7765	-0.0003	3.7762	0	0.0104	0	0.0104
1062	9.88	9.67	1	2.7758	-0.0003	3.7755	0	0.0005	0	0.0005
1063	9.31	9.63	1	2.7757	-0.0003	3.7754	0	-0.0045	0	-0.0045
1064	9.31	9.62	1	2.776	-0.0003	3.7757	0	-0.0077	0	-0.0077

1065	9.78	9.59	1	2.7766	-0.0003	3.7763	0	0.0019	0	0.0019
1066	9.99	9.56	1	2.7767	-0.0003	3.7764	0	-0.0018	0	-0.0018
1067	9.42	9.59	1	2.7772	-0.0003	3.7769	0	0.0014	0	0.0014
1068	9.95	9.63	1	2.7777	-0.0003	3.7774	0	0.0026	-0.0002	0.0024
1069	9.67	9.67	1	2.7777	-0.0003	3.7774	0	-0.0015	-0.001	-0.0025
1070	9.6	9.68	1	2.778	-0.0004	3.7776	0	-0.0024	-0.001	-0.0034
1071	9.58	9.7	1	2.7782	-0.0004	3.7778	0	-0.0052	-0.001	-0.0062
1072	9.2	9.71	1	2.7785	-0.0004	3.7781	0	-0.0068	-0.001	-0.0078
1073	9.39	9.76	1	2.7787	-0.0003	3.7784	0	-0.0108	-0.001	-0.0118
1074	9.31	9.81	1	2.7791	-0.0003	3.7788	0	-0.0169	-0.001	-0.0179
1075	9.33	9.84	1	2.7788	-0.0003	3.7785	0	-0.0153	-0.001	-0.0163
1076	10.3	9.87	1	2.779	-0.0003	3.7787	0	-0.0159	-0.001	-0.0169
1077	10.1	9.95	1	2.7787	-0.0003	3.7784	0	-0.0107	-0.001	-0.0116
1078	10.2	9.99	1	2.7777	-0.0003	3.7774	0	-0.0083	0.0002	-0.008
1079	9.9	10	1	2.7783	-0.0004	3.7779	0	-0.0124	0.0026	-0.0097
1080	10.1	10.1	1	2.7783	-0.0003	3.778	0	-0.0089	0.0056	-0.0033
1081	10.2	10.1	1	2.7781	-0.0003	3.7778	0	-0.0032	0.007	0.0038
1082	10.2	10.2	1	2.7779	-0.0003	3.7776	0	-0.0011	0.007	0.0059
1083	10.1	10.2	1	2.7771	-0.0003	3.7768	0	0.0025	0.007	0.0095
1084	10.5	10.2	1	2.7766	-0.0003	3.7763	0	0.0077	0.0063	0.014
1085	10.6	10.3	1	2.7767	-0.0003	3.7764	0	0.0002	0.006	0.0062
1086	10.8	10.3	1	2.777	-0.0003	3.7767	0	-0.0014	0.006	0.0046
1087	10.9	10.3	1	2.7774	-0.0002	3.7772	0	-0.001	0.0053	0.0044
1088	10.4	10.3	1	2.778	-0.0002	3.7778	0	-0.0074	0.0022	-0.0052
1089	10.3	10.3	1	2.7783	-0.0002	3.7781	0	-0.0095	-0.0021	-0.0116
1090	10.8	10.3	1	2.7781	-0.0003	3.7778	0	-0.012	-0.003	-0.015
1091	9.57	10.3	1	2.7782	-0.0004	3.7778	0	-0.0144	-0.002	-0.0165
1092	10.2	10.2	1	2.7783	-0.0004	3.7779	0	-0.01	-0.0005	-0.0105
1093	10.3	10.2	1	2.7784	-0.0004	3.778	0	-0.0047	0.0024	-0.0022
1094	9.93	10.2	1	2.7781	-0.0003	3.7778	0	-0.0022	0.0044	0.0022
1095	9.97	10.2	1	2.7778	-0.0003	3.7775	0	-0.0034	0.0047	0.0013
1096	9.95	10.1	1	2.7776	-0.0003	3.7773	0	-0.0099	0.0067	-0.0032
1097	10.1	10.1	1	2.7773	-0.0004	3.777	0	-0.0138	0.0049	-0.009
1098	10	10.1	1	2.7769	-0.0004	3.7765	0	-0.0083	0.0019	-0.0064
1099	10.2	10	1	2.7766	-0.0004	3.7762	0	0.0052	0.0003	0.0055
1100	10	10	1	2.7763	-0.0003	3.776	0	0.0049	-0.002	0.0029
1101	9.87	10.1	1	2.776	-0.0004	3.7756	0	0.0077	-0.002	0.0057

1102	10.1	10	1	2.7762	-0.0003	3.7759	0	0.0111	-0.002	0.0091
1103	10.1	10	1	2.7756	-0.0003	3.7753	0	0.0102	-0.0017	0.0085
1104	10.1	10	1	2.7754	-0.0003	3.7752	0	0.0091	-0.001	0.0081
1105	9.74	9.99	1	2.775	-0.0002	3.7748	0	0.0113	-0.0005	0.0109
1106	9.85	9.99	1	2.7751	-0.0002	3.7749	0	0.0081	0	0.0081
1107	9.97	9.97	1	2.7751	-0.0002	3.7749	0	0.0078	0	0.0078
1108	10.1	9.95	1	2.7753	-0.0002	3.7751	0	0.0088	0	0.0088
1109	10.5	9.95	1	2.7759	-0.0002	3.7757	0	0.0064	0	0.0064
1110	10.1	9.94	1	2.7767	-0.0002	3.7765	0	0.0075	0.0019	0.0094
1111	9.71	9.92	1	2.7773	-0.0002	3.7771	0	0.0081	0.0021	0.0102
1112	9.86	9.91	1	2.7776	-0.0002	3.7774	0	0.0049	0.0037	0.0086
1113	9.67	9.9	1	2.7781	-0.0002	3.7779	0	0.0019	0.0045	0.0063
1114	9.84	9.88	1	2.7773	-0.0002	3.7771	0	-0.002	0.0063	0.0043
1115	9.91	9.87	1	2.7777	-0.0002	3.7775	0	0.002	0.007	0.009
1116	9.88	9.86	1	2.7775	-0.0002	3.7773	0	0.012	0.007	0.019
1117	9.63	9.85	1	2.7776	-0.0002	3.7774	0	0.0135	0.0064	0.0199
1118	10.2	9.83	1	2.7779	-0.0002	3.7777	0	0.0207	0.0067	0.0274
1119	9.72	9.77	1	2.7781	-0.0002	3.7779	0	0.0242	0.0062	0.0304
1120	9.62	9.75	1	2.7786	-0.0002	3.7784	0	0.0233	0.006	0.0293
1121	9.93	9.77	1	2.779	-0.0002	3.7788	0	0.0247	0.0055	0.0302
1122	9.92	9.78	1	2.7792	-0.0002	3.779	0	0.0273	0.005	0.0323
1123	9.56	9.81	1	2.7797	-0.0002	3.7795	0	0.028	0.004	0.032
1124	9.59	9.81	1	2.7798	-0.0002	3.7796	0	0.0306	0.0048	0.0354
1125	9.66	9.8	1	2.78	-0.0002	3.7798	0	0.0324	0.005	0.0374
1126	9.78	9.81	1	2.78	-0.0002	3.7798	0	0.0267	0.005	0.0317
1127	9.66	9.84	1	2.7799	-0.0003	3.7796	0	0.027	0.005	0.032
1128	9.46	9.81	1	2.78	-0.0006	3.7795	0	0.0195	0.005	0.0245
1129	9.7	9.81	1	2.7797	-0.0009	3.7788	0	0.0086	0.0047	0.0133
1130	10	9.82	1	2.7792	-0.001	3.7782	0	0.014	0.0043	0.0184
1131	10.1	9.81	1	2.7786	-0.001	3.7776	0	0.0144	0.005	0.0194
1132	10.1	9.8	1	2.7781	-0.001	3.7771	0	0.0111	0.005	0.0161
1133	9.89	9.79	1	2.7777	-0.0009	3.7768	0	0.01	0.005	0.015
1134	9.76	9.8	1	2.7781	-0.0009	3.7772	0	-0.0017	0.0039	0.0022
1135	10.2	9.8	1	2.7782	-0.0009	3.7773	0	-0.0021	0.0032	0.0011
1136	10.1	9.79	1	2.7782	-0.0009	3.7773	0	-0.0012	0.004	0.0028
1137	9.69	9.81	1	2.7786	-0.0009	3.7777	0	0.0011	0.0043	0.0053
1138	9.65	9.86	1	2.7787	-0.0009	3.7778	0	0.0077	0.0059	0.0135

1139	9.79	9.86	1	2.7792	-0.0009	3.7783	0	0.013	0.006	0.019
1140	9.74	9.88	1	2.7794	-0.0009	3.7785	0	0.013	0.006	0.019
1141	9.77	9.88	1	2.7791	-0.0009	3.7782	0	0.0085	0.005	0.0135
1142	9.4	9.86	1	2.7789	-0.001	3.7779	0	0.011	0.004	0.015
1143	9.77	9.87	1	2.7791	-0.0009	3.7782	0	0.0112	0.004	0.0152
1144	9.58	9.87	1	2.779	-0.0009	3.7781	0	0.0121	0.0043	0.0163
1145	9.74	9.87	1	2.7791	-0.001	3.7781	0	0.0113	0.005	0.0163
1146	10	9.87	1	2.7793	-0.0008	3.7784	0	0.01	0.005	0.015
1147	10.3	9.89	1	2.7788	-0.0005	3.7783	0	0.02	0.005	0.025
1148	9.85	9.91	1	2.7775	-0.0004	3.7771	0	0.0195	0.0044	0.0239
1149	10.3	9.88	1	2.7774	-0.0002	3.7772	0	0.0197	0.004	0.0237
1150	10.3	9.89	1	2.7769	-0.0002	3.7767	0	0.0143	0.004	0.0183
1151	9.74	9.9	1	2.7762	-0.0002	3.776	0	0.0068	0.0049	0.0117
1152	9.97	9.91	1	2.7764	-0.0002	3.7761	0	0.0057	0.004	0.0097
1153	9.83	9.92	1	2.7766	-0.0003	3.7763	0	0.0091	0.005	0.0141
1154	10.1	9.91	1	2.7768	-0.0004	3.7764	0	0.0054	0.005	0.0104
1155	10.1	9.9	1	2.7769	-0.0004	3.7765	0	0.0052	0.0061	0.0113
1156	9.96	9.86	1	2.7766	-0.0004	3.7762	0	0.0104	0.007	0.0174
1157	10.1	9.82	1	2.7762	-0.0004	3.7758	0	0.0096	0.0041	0.0137
1158	9.29	9.82	1	2.7764	-0.0004	3.776	0	0.0139	0.0041	0.018
1159	9.83	9.79	1	2.7763	-0.0006	3.7757	0	0.0181	0.005	0.0231
1160	9.92	9.77	1	2.7761	-0.0006	3.7755	0	0.0249	0.0053	0.0302
1161	9.75	9.75	1	2.776	-0.0007	3.7753	0	0.0325	0.0063	0.0389
1162	9.93	9.71	1	2.7756	-0.0007	3.7749	0	0.0411	0.007	0.0481
1163	9.4	9.68	1	2.7759	-0.0009	3.775	0	0.0431	0.007	0.0501
1164	9.54	9.67	1	2.7758	-0.001	3.7748	0	0.0465	0.007	0.0535
1165	9.19	9.67	1	2.7754	-0.001	3.7744	0	0.0404	0.007	0.0474
1166	9.48	9.67	1	2.7753	-0.0009	3.7744	0	0.0464	0.0054	0.0518
1167	9.93	9.65	1	2.7752	-0.001	3.7742	0	0.0441	0.0041	0.0482
1168	9.74	9.69	1	2.7753	-0.0009	3.7743	0	0.0421	0.002	0.0441
1169	9.86	9.7	1	2.7754	-0.0009	3.7745	0	0.0491	0.0019	0.051
1170	9.31	9.7	1	2.7755	-0.0009	3.7746	0	0.0519	0.0012	0.0531
1171	9.28	9.7	1	2.7755	-0.0009	3.7746	0	0.0548	0.002	0.0568
1172	9.27	9.7	1	2.7757	-0.0008	3.7749	0	0.0545	0.0023	0.0568
1173	9.86	9.71	1	2.7756	-0.0008	3.7748	0	0.0572	0.0026	0.0598
1174	10.2	9.72	1	2.7758	-0.0008	3.775	0	0.0624	0.002	0.0644
1175	9.95	9.74	1	2.7761	-0.0008	3.7753	0	0.0642	0.002	0.0662

1176	9.62	9.78	1	2.7763	-0.0008	3.7755	0	0.069	0.002	0.071
1177	10	9.76	1	2.7767	-0.0008	3.7759	0	0.0707	0.002	0.0727
1178	9.98	9.75	1	2.7769	-0.0008	3.7761	0	0.072	0.0008	0.0727
1179	9.92	9.79	1	2.7769	-0.0008	3.7761	0	0.0686	-0.0016	0.067
1180	9.85	9.84	1	2.7769	-0.0008	3.7761	0	0.062	-0.0046	0.0574
1181	9.88	9.88	1	2.777	-0.0008	3.7762	0	0.0547	-0.0049	0.0498
1182	9.52	9.92	1	2.7769	-0.0008	3.7761	0	0.0452	-0.004	0.0412
1183	9.78	9.93	1	2.7773	-0.0007	3.7766	0	0.0445	-0.0037	0.0408
1184	9.64	9.96	1	2.7768	-0.0006	3.7762	0	0.0413	-0.0015	0.0398
1185	10.1	9.98	1	2.7769	-0.0007	3.7762	0	0.0411	0	0.0411
1186	9.57	9.98	1	2.7769	-0.0007	3.7762	0	0.042	0	0.042
1187	9.7	9.97	1	2.7767	-0.0008	3.7759	0	0.0407	0	0.0407
1188	10.5	9.97	1	2.7767	-0.0008	3.7759	0	0.0463	0	0.0463
1189	10.3	9.98	1	2.777	-0.0008	3.7762	0	0.0501	0	0.0501
1190	10.2	9.99	1	2.7773	-0.0008	3.7765	0	0.0566	-0.0027	0.0539
1191	9.93	9.98	1	2.7771	-0.0008	3.7763	0	0.0655	-0.004	0.0615
1192	10.1	9.99	1	2.7772	-0.0008	3.7764	0	0.0665	-0.0045	0.0621
1193	10.8	10	1	2.7772	-0.0008	3.7764	0	0.0578	-0.006	0.0518
1194	10.3	10	1	2.7769	-0.0008	3.7761	0	0.0556	-0.0052	0.0504
1195	9.54	10	1	2.7768	-0.0008	3.776	0	0.0489	-0.0044	0.0445
1196	9.85	10.1	1	2.7756	-0.0008	3.7748	0	0.0472	-0.0053	0.0419
1197	10.1	10.1	1	2.7754	-0.0008	3.7746	0	0.0477	-0.0034	0.0443
1198	10.1	10.1	1	2.7749	-0.0008	3.7741	0	0.0412	-0.0003	0.0409
1199	9.97	10.1	1	2.7752	-0.0008	3.7744	0	0.0257	0.001	0.0267
1200	9.72	10	1	2.7757	-0.0008	3.7749	0	0.0221	0.0038	0.0259
1201	9.86	10.1	1	2.7754	-0.0008	3.7746	0	0.0176	0.0049	0.0225
1202	9.81	10	1	2.7752	-0.0008	3.7744	0	0.0083	0.005	0.0133
1203	10.2	9.99	1	2.7751	-0.0008	3.7743	0	0.0105	0.0047	0.0152
1204	9.96	9.96	1	2.7749	-0.0009	3.774	0	0.0107	0.0038	0.0145
1205	10.6	10	1	2.774	-0.0009	3.7731	0	0.0113	0.0025	0.0137
1206	10.3	10	1	2.7741	-0.0006	3.7735	0	0.0116	0.002	0.0136
1207	10.1	9.97	1	2.7737	-0.0006	3.7731	0	0.0109	0.002	0.0129
1208	9.71	9.96	1	2.7735	-0.0007	3.7728	0	0.0083	0.002	0.0103
1209	9.98	9.97	1	2.7735	-0.0007	3.7727	0	0.0071	0.002	0.0091
1210	10.1	9.97	1	2.7735	-0.0008	3.7726	0	0.005	0.0001	0.0051
1211	9.83	9.97	1	2.7732	-0.0009	3.7723	0	0.0038	-0.0001	0.0037
1212	9.82	9.97	1	2.7733	-0.0009	3.7724	0	0.0024	-0.0001	0.0023

1213	9.74	9.93	1	2.7734	-0.0009	3.7725	0	-0.0015	-0.0005	-0.002
1214	10.3	9.93	1	2.7733	-0.0009	3.7724	0	0.0041	-0.0023	0.0017
1215	9.86	9.87	1	2.773	-0.0007	3.7723	0	0.0038	-0.0032	0.0007
1216	9.38	9.83	1	2.7731	-0.0006	3.7725	0	-0.0007	-0.004	-0.0047
1217	9.96	9.79	1	2.7734	-0.0004	3.773	0	-0.0017	-0.0038	-0.0054
1218	10.1	9.81	1	2.773	-0.0004	3.7726	0	-0.0049	-0.0042	-0.0092
1219	9.68	9.78	1	2.7729	-0.0003	3.7726	0	-0.003	-0.0038	-0.0067
1220	9.84	9.76	1	2.7731	-0.0004	3.7727	0	0.0007	-0.004	-0.0033
1221	9.75	9.76	1	2.7735	-0.0004	3.7731	0	0.0058	-0.004	0.0018
1222	9.45	9.75	1	2.7735	-0.0005	3.7731	0	0.0071	-0.004	0.0031
1223	10	9.75	1	2.7735	-0.0004	3.7731	0	0.0063	-0.003	0.0033
1224	9.57	9.73	1	2.7734	-0.0004	3.773	0	0.008	-0.0039	0.0041
1225	9.49	9.73	1	2.7731	-0.0004	3.7727	0	0.013	-0.003	0.01
1226	9.39	9.73	1	2.7729	-0.0004	3.7725	0	0.0085	-0.004	0.0045
1227	10	9.66	1	2.7727	-0.0004	3.7723	0	0.0102	-0.004	0.0062
1228	9.57	9.62	1	2.7732	-0.0004	3.7728	0	0.0119	-0.004	0.0079
1229	9.6	9.56	1	2.7735	-0.0004	3.7731	0	0.0129	-0.004	0.0089
1230	9.81	9.52	1	2.7738	-0.0005	3.7732	0	0.0093	-0.004	0.0053
1231	9.7	9.46	1	2.774	-0.0006	3.7734	0	0.0036	-0.004	-0.0004
1232	9.77	9.46	1	2.7737	-0.0006	3.773	0	-0.0012	-0.004	-0.0052
1233	9.87	9.42	1	2.7736	-0.0008	3.7728	0	-0.0053	-0.004	-0.0093
1234	9.9	9.38	1	2.7739	-0.0009	3.773	0	-0.0047	-0.0029	-0.0076
1235	9.31	9.36	1	2.774	-0.0009	3.7731	0	-0.0146	-0.0022	-0.0168
1236	8.74	9.33	1	2.7741	-0.0009	3.7732	0	-0.0165	-0.0023	-0.0188
1237	9.23	9.27	1	2.774	-0.0009	3.7731	0	-0.013	-0.0016	-0.0146
1238	8.65	9.26	1	2.7737	-0.0009	3.7728	0	-0.0136	-0.0006	-0.0141
1239	9.06	9.25	1	2.7735	-0.0006	3.7729	0	-0.0095	0.0008	-0.0087
1240	8.66	9.23	1	2.7729	-0.0005	3.7724	0	0.0071	0.001	0.0081
1241	9.32	9.22	1	2.7725	-0.0005	3.772	0	0.0143	0.0036	0.0179
1242	9.3	9.22	1	2.7732	-0.0004	3.7728	0	0.0235	0.0059	0.0294
1243	8.92	9.2	1	2.7735	-0.0004	3.7731	0	0.0302	0.005	0.0352
1244	8.95	9.17	1	2.7741	-0.0005	3.7736	0	0.0311	0.005	0.0361
1245	8.88	9.16	1	2.7744	-0.0004	3.774	0	0.0279	0.005	0.0329
1246	8.89	9.17	1	2.7745	-0.0005	3.774	0	0.029	0.005	0.034
1247	9.44	9.19	1	2.7747	-0.0005	3.7742	0	0.0145	0.005	0.0195
1248	9.42	9.26	1	2.7749	-0.0005	3.7744	0	0.0131	0.005	0.0181
1249	9.46	9.31	1	2.7752	-0.0006	3.7746	0	0.007	0.005	0.012

1250	9.39	9.4	1	2.7751	-0.0007	3.7744	0	0.0066	0.0044	0.011
1251	9.76	9.45	1	2.7754	-0.0007	3.7747	0	0.006	0.0046	0.0106
1252	9.54	9.49	1	2.7753	-0.0007	3.7746	0	-0.0013	0.0043	0.003
1253	9.26	9.55	1	2.7755	-0.0007	3.7748	0	-0.007	0.004	-0.003
1254	9.09	9.62	1	2.7756	-0.0006	3.775	0	-0.0085	0.004	-0.0045
1255	9.07	9.67	1	2.7757	-0.0006	3.7751	0	-0.0108	0.0032	-0.0076
1256	9.52	9.74	1	2.7755	-0.0006	3.7749	0	-0.021	0.003	-0.018
1257	9.92	9.79	1	2.7754	-0.0006	3.7748	0	-0.022	0.0059	-0.0161
1258	10.2	9.84	1	2.7756	-0.0006	3.775	0	-0.0258	0.0059	-0.0199
1259	10.4	9.86	1	2.7758	-0.0006	3.7752	0	-0.0246	0.005	-0.0196
1260	10.2	9.89	1	2.7757	-0.0006	3.7751	0	-0.0222	0.0047	-0.0175
1261	10.1	9.88	1	2.7758	-0.0007	3.7751	0	-0.0227	0.0037	-0.019
1262	9.99	9.91	1	2.7758	-0.0007	3.7751	0	-0.0268	0.003	-0.0238
1263	10.3	9.95	1	2.7755	-0.0007	3.7748	0	-0.0243	0.003	-0.0213
1264	9.82	10	1	2.7754	-0.0007	3.7747	0	-0.0244	0.003	-0.0214
1265	10.2	10	1	2.7755	-0.0006	3.7749	0	-0.0279	0.003	-0.0249
1266	10.3	10.1	1	2.7755	-0.0006	3.7749	0	-0.0332	0.0046	-0.0286
1267	10.4	10.1	1	2.7757	-0.0005	3.7751	0	-0.0358	0.0059	-0.0299
1268	9.8	10	1	2.7755	-0.0005	3.775	0	-0.0329	0.008	-0.0249
1269	10	10.1	1	2.7753	-0.0005	3.7748	0	-0.0355	0.0086	-0.0269
1270	9.63	10	1	2.7749	-0.0005	3.7744	0	-0.0364	0.0098	-0.0265
1271	10	10	1	2.7748	-0.0005	3.7743	0	-0.0359	0.009	-0.0269
1272	10.1	10	1	2.7751	-0.0005	3.7746	0	-0.032	0.0073	-0.0247
1273	9.91	9.97	1	2.7748	-0.0004	3.7744	0	-0.0304	0.0057	-0.0247
1274	9.81	9.99	1	2.7745	-0.0005	3.774	0	-0.0289	0.0068	-0.0222
1275	10.1	9.98	1	2.7753	-0.0004	3.7749	0	-0.0275	0.0078	-0.0197
1276	9.99	9.96	1	2.7753	-0.0004	3.7749	0	-0.0275	0.008	-0.0195
1277	9.83	9.94	1	2.7755	-0.0004	3.7751	0	-0.0334	0.008	-0.0254
1278	10.5	9.96	1	2.7756	-0.0004	3.7752	0	-0.0357	0.008	-0.0277
1279	10.1	9.94	1	2.7759	-0.0004	3.7755	0	-0.0242	0.008	-0.0162
1280	9.69	9.95	1	2.7765	-0.0004	3.7761	0	-0.019	0.0079	-0.011
1281	9.55	9.94	1	2.7771	-0.0004	3.7767	0	-0.0097	0.0069	-0.0028
1282	9.61	9.96	1	2.7774	-0.0004	3.777	0	-0.0031	0.006	0.0029
1283	10.2	9.99	1	2.7777	-0.0004	3.7773	0	-0.003	0.0057	0.0027
1284	10.1	10	1	2.7783	-0.0004	3.7779	0	0.0018	0.0042	0.006
1285	9.95	10	1	2.7785	-0.0005	3.778	0	0.0096	0.003	0.0126
1286	10.1	10	1	2.7782	-0.0006	3.7777	0	0.0143	0.003	0.0173

1287	10.1	10.1	1	2.778	-0.0007	3.7773	0	0.0146	0.0023	0.017
1288	9.65	10	1	2.7776	-0.0009	3.7767	0	0.014	0.002	0.016
1289	9.92	10	1	2.7763	-0.0009	3.7754	0	0.0147	0.002	0.0167
1290	9.8	10.1	1	2.7758	-0.0012	3.7747	0	0.0115	0.0047	0.0162
1291	10.5	10.1	1	2.7748	-0.0014	3.7734	0	0.0059	0.006	0.0119
1292	10.5	10.2	1	2.7742	-0.0013	3.7729	0	0.0055	0.0061	0.0116
1293	10.4	10.1	1	2.7741	-0.0013	3.7728	0	0.0116	0.007	0.0186
1294	10.3	10.1	1	2.7741	-0.0013	3.7728	0	0.0158	0.0067	0.0226
1295	10.1	10.1	1	2.7739	-0.0013	3.7726	0	0.0278	0.0064	0.0342
1296	10.3	10.1	1	2.7741	-0.0013	3.7728	0	0.0291	0.0065	0.0357
1297	10	10.1	1	2.7741	-0.0013	3.7728	0	0.0323	0.006	0.0383
1298	10.1	10.1	1	2.7742	-0.0013	3.7729	0	0.0361	0.006	0.0421
1299	10.3	10.1	1	2.7745	-0.0012	3.7733	0	0.0387	0.006	0.0447
1300	10.7	10.1	1	2.7751	-0.0013	3.7738	0	0.0455	0.0052	0.0507
1301	10.1	10.1	1	2.7756	-0.0012	3.7743	0	0.0464	0.0041	0.0505
1302	9.54	10.1	1	2.7759	-0.0012	3.7747	0	0.0488	0.004	0.0528
1303	10	10	1	2.7759	-0.0012	3.7747	0	0.0482	0.004	0.0522
1304	9.71	10	1	2.776	-0.0012	3.7748	0	0.0481	0.0042	0.0523
1305	9.51	10	1	2.7761	-0.0012	3.7749	0	0.0507	0.005	0.0557
1306	9.64	10.1	1	2.7763	-0.0012	3.7751	0	0.0551	0.0043	0.0594
1307	9.67	10.1	1	2.7763	-0.0012	3.7751	0	0.0566	0.004	0.0606
1308	10	10.1	1	2.7759	-0.0012	3.7747	0	0.0494	0.0049	0.0543
1309	10.4	10.1	1	2.7757	-0.0012	3.7745	0	0.0553	0.0041	0.0593
1310	10.1	10.1	1	2.7757	-0.0012	3.7745	0	0.0551	0.001	0.056
1311	10.1	10.1	1	2.7758	-0.0012	3.7746	0	0.056	-0.0004	0.0556
1312	10	10.1	1	2.7757	-0.0012	3.7745	0	0.0555	-0.0037	0.0519
1313	9.93	10.1	1	2.7758	-0.0012	3.7746	0	0.0577	-0.003	0.0547
1314	10.4	10.1	1	2.776	-0.0012	3.7748	0	0.0503	-0.003	0.0473
1315	10.8	10.2	1	2.7764	-0.0012	3.7752	0	0.0427	-0.0033	0.0395
1316	10.7	10.2	1	2.7767	-0.0012	3.7755	0	0.0454	-0.003	0.0424
1317	10.3	10.2	1	2.7767	-0.0012	3.7755	0	0.0487	-0.0026	0.046
1318	10.3	10.2	1	2.7765	-0.0013	3.7753	0	0.0492	-0.0024	0.0468
1319	10.1	10.2	1	2.7766	-0.0013	3.7753	0	0.046	-0.0025	0.0435
1320	9.93	10.2	1	2.7767	-0.0013	3.7754	0	0.0424	-0.002	0.0404
1321	10.2	10.2	1	2.7767	-0.0012	3.7756	0	0.039	-0.0011	0.0379
1322	10.2	10.2	1	2.7766	-0.001	3.7755	0	0.0332	-0.001	0.0322
1323	10.3	10.2	1	2.7763	-0.0011	3.7753	0	0.0366	-0.001	0.0356

1324	9.88	10.2	1	2.7761	-0.0012	3.775	0	0.0282	-0.0001	0.0282
1325	9.7	10.2	1	2.7758	-0.0012	3.7746	0	0.0273	-0.001	0.0263
1326	10.3	10.2	1	2.7763	-0.0012	3.7751	0	0.0371	0	0.0371
1327	10.4	10.2	1	2.7763	-0.0012	3.7751	0	0.0393	0	0.0393
1328	10.6	10.1	1	2.7756	-0.0012	3.7744	0	0.0437	0.0002	0.0439
1329	9.48	10.1	1	2.7754	-0.0012	3.7742	0	0.0412	0.001	0.0422
1330	9.75	10.2	1	2.7747	-0.0012	3.7735	0	0.047	0.001	0.048
1331	10.5	10.1	1	2.7743	-0.0012	3.7731	0	0.0551	0.001	0.0561
1332	10.1	10.2	1	2.774	-0.0012	3.7728	0	0.0588	0.001	0.0598
1333	10.2	10.2	1	2.7734	-0.0012	3.7722	0	0.0593	0.001	0.0603
1334	10.3	10.2	1	2.773	-0.0012	3.7718	0	0.0632	0.001	0.0642
1335	10.5	10.2	1	2.7726	-0.0012	3.7714	0	0.0666	0.001	0.0676
1336	10.5	10.1	1	2.7727	-0.0011	3.7715	0	0.0622	0.0003	0.0625
1337	9.88	10.1	1	2.7726	-0.0011	3.7715	0	0.0557	-0.0007	0.0551
1338	9.69	10.1	1	2.7723	-0.0011	3.7712	0	0.0541	-0.0024	0.0517
1339	10.4	10.1	1	2.7724	-0.0011	3.7713	0	0.0528	-0.0038	0.0491
1340	10.1	10.1	1	2.7723	-0.0011	3.7712	0	0.0426	-0.004	0.0386
1341	10.5	10	1	2.7719	-0.0011	3.7708	0	0.0373	-0.0066	0.0307
1342	10.2	9.96	1	2.772	-0.0011	3.7709	0	0.0283	-0.0089	0.0194
1343	9.92	9.92	1	2.772	-0.0011	3.7709	0	0.0189	-0.008	0.0109
1344	9.71	9.88	1	2.7713	-0.0011	3.7702	0	0.0169	-0.008	0.0089
1345	9.6	9.84	1	2.7715	-0.0011	3.7704	0	0.0171	-0.008	0.0091
1346	10	9.8	1	2.7713	-0.0011	3.7702	0	0.0153	-0.0083	0.0069
1347	10	9.78	1	2.7711	-0.0011	3.77	0	0.0152	-0.0086	0.0067
1348	9.34	9.75	1	2.7711	-0.0011	3.77	0	0.0143	-0.008	0.0063
1349	9.55	9.7	1	2.7706	-0.0011	3.7695	0	0.0167	-0.008	0.0087
1350	9.5	9.66	1	2.7705	-0.0011	3.7694	0	0.0189	-0.0074	0.0114
1351	9.25	9.6	1	2.7705	-0.0011	3.7694	0	0.019	-0.0076	0.0114
1352	9.45	9.54	1	2.7705	-0.0011	3.7694	0	0.0183	-0.0073	0.0111
1353	9.56	9.5	1	2.7707	-0.0011	3.7696	0	0.0236	-0.0062	0.0173
1354	9.61	9.47	1	2.7706	-0.0011	3.7695	0	0.0232	-0.006	0.0172
1355	9.83	9.45	1	2.7702	-0.001	3.7692	0	0.0275	-0.0069	0.0206
1356	9.55	9.43	1	2.7699	-0.001	3.7689	0	0.0299	-0.0061	0.0239
1357	9.05	9.39	1	2.7704	-0.0011	3.7693	0	0.0368	-0.006	0.0308
1358	9.53	9.42	1	2.7701	-0.001	3.7691	0	0.0377	-0.006	0.0317
1359	9.35	9.44	1	2.7703	-0.0007	3.7696	0	0.0348	-0.007	0.0278
1360	9.24	9.44	1	2.7701	-0.0006	3.7696	0	0.023	-0.007	0.016

1361	9.26	9.45	1	2.7702	-0.0003	3.7699	0	0.0191	-0.0068	0.0123
1362	9.01	9.46	1	2.77	-0.0004	3.7696	0	0.0188	-0.006	0.0128
1363	9.3	9.48	1	2.7705	-0.0004	3.7701	0	0.0155	-0.006	0.0095
1364	9.21	9.47	1	2.7711	-0.0004	3.7708	0	0.0177	-0.0056	0.0122
1365	9.52	9.44	1	2.7709	-0.0003	3.7706	0	0.0158	-0.005	0.0108
1366	9.34	9.44	1	2.7706	-0.0003	3.7703	0	0.0142	-0.005	0.0092
1367	9.89	9.49	1	2.7707	-0.0003	3.7704	0	0.0145	-0.005	0.0095
1368	9.9	9.48	1	2.7709	-0.0003	3.7706	0	0.0125	-0.005	0.0075
1369	9.54	9.49	1	2.7711	-0.0003	3.7708	0	0.0066	-0.0056	0.001
1370	9.5	9.5	1	2.771	-0.0004	3.7706	0	0.0075	-0.006	0.0015
1371	9.52	9.52	1	2.7715	-0.0004	3.7711	0	0.0094	-0.006	0.0034
1372	9.92	9.56	1	2.7714	-0.0004	3.771	0	0.012	-0.0038	0.0082
1373	9.51	9.57	1	2.772	-0.0004	3.7716	0	0.0096	-0.0023	0.0073
1374	9.17	9.59	1	2.7718	-0.0004	3.7714	0	0.0054	-0.0038	0.0017
1375	9.69	9.6	1	2.7716	-0.0004	3.7712	0	0.0024	-0.0048	-0.0024
1376	9.82	9.64	1	2.7713	-0.0004	3.7709	0	0.0006	-0.005	-0.0044
1377	9.41	9.64	1	2.7712	-0.0004	3.7708	0	0.0056	-0.005	0.0006
1378	9.51	9.63	1	2.7715	-0.0005	3.771	0	0.0038	-0.005	-0.0012
1379	9.57	9.62	1	2.7712	-0.0005	3.7707	0	-0.0092	-0.005	-0.0142
1380	9.64	9.62	1	2.771	-0.0005	3.7705	0	-0.0153	-0.005	-0.0203
1381	9.74	9.63	1	2.7712	-0.0005	3.7707	0	-0.0237	-0.005	-0.0287
1382	9.51	9.64	1	2.7715	-0.0005	3.771	0	-0.0289	-0.005	-0.0339
1383	9.59	9.66	1	2.7714	-0.0005	3.7709	0	-0.0349	-0.005	-0.0399
1384	9.66	9.69	1	2.7716	-0.0005	3.7711	0	-0.0416	-0.005	-0.0466
1385	10	9.72	1	2.7723	-0.0005	3.7718	0	-0.0469	-0.005	-0.0519
1386	9.87	9.74	1	2.7727	-0.0005	3.7722	0	-0.0545	-0.005	-0.0595
1387	9.75	9.77	1	2.7726	-0.0005	3.7721	0	-0.0567	-0.0043	-0.0611
1388	9.38	9.78	1	2.7723	-0.0005	3.7718	0	-0.0566	-0.004	-0.0606
1389	9.5	9.8	1	2.772	-0.0005	3.7715	0	-0.0576	-0.004	-0.0616
1390	9.68	9.84	1	2.7721	-0.0005	3.7716	0	-0.0526	-0.004	-0.0566
1391	10.1	9.9	1	2.7719	-0.0005	3.7714	0	-0.05	-0.004	-0.054
1392	9.94	9.92	1	2.7723	-0.0005	3.7718	0	-0.0485	-0.004	-0.0525
1393	9.73	9.97	1	2.7724	-0.0005	3.7719	0	-0.0376	-0.004	-0.0416
1394	10.2	9.99	1	2.7724	-0.0005	3.7719	0	-0.0243	-0.004	-0.0283
1395	10.3	9.99	1	2.7724	-0.0005	3.7719	0	-0.0308	-0.004	-0.0348
1396	9.92	9.98	1	2.7726	-0.0004	3.7722	0	-0.0319	-0.004	-0.0359
1397	9.69	10	1	2.7726	-0.0005	3.7721	0	-0.0329	-0.004	-0.0369

1398	9.87	10	1	2.7725	-0.0005	3.772	0	-0.0314	-0.004	-0.0354
1399	10.6	10.1	1	2.7727	-0.0005	3.7722	0	-0.0282	-0.004	-0.0322
1400	10.7	10.1	1	2.7732	-0.0005	3.7727	0	-0.0296	-0.004	-0.0336
1401	10	10.1	1	2.7737	-0.0005	3.7732	0	-0.0251	-0.004	-0.0291
1402	10.5	10.1	1	2.7736	-0.0006	3.773	0	-0.0236	-0.004	-0.0276
1403	10.1	10.2	1	2.7736	-0.0006	3.773	0	-0.0177	-0.004	-0.0217
1404	9.91	10.1	1	2.7732	-0.0005	3.7727	0	-0.013	-0.004	-0.017
1405	9.77	10.1	1	2.7731	-0.0006	3.7725	0	-0.0135	-0.004	-0.0175
1406	10.3	10.1	1	2.7726	-0.0006	3.772	0	-0.0159	-0.0033	-0.0192
1407	10.1	10.1	1	2.7725	-0.0006	3.7719	0	-0.0148	-0.003	-0.0178
1408	10.7	10.2	1	2.7725	-0.0005	3.772	0	-0.0059	-0.0039	-0.0098
1409	9.8	10.1	1	2.7734	-0.0005	3.7729	0	-0.0125	-0.0028	-0.0153
1410	10.1	10.1	1	2.7738	-0.0005	3.7733	0	-0.0116	0.001	-0.0105
1411	10.2	10.1	1	2.774	-0.0006	3.7734	0	-0.0162	0.0019	-0.0143
1412	10.1	10.1	1	2.7741	-0.0006	3.7735	0	-0.0145	0.0038	-0.0107
1413	9.86	10.1	1	2.7741	-0.0006	3.7734	0	-0.0176	0.003	-0.0146
1414	10.1	10.1	1	2.7745	-0.0007	3.7738	0	-0.0173	0.003	-0.0143
1415	10.1	10.1	1	2.7749	-0.0007	3.7742	0	-0.0154	0.0034	-0.012
1416	10.1	10.1	1	2.7752	-0.0007	3.7745	0	-0.0203	0.004	-0.0163
1417	10.2	10.1	1	2.7754	-0.0007	3.7747	0	-0.0236	0.004	-0.0196
1418	10.2	10.1	1	2.7759	-0.0007	3.7752	0	-0.0162	0.0049	-0.0113
1419	10.2	10.1	1	2.7758	-0.0007	3.7751	0	-0.0126	0.0041	-0.0085
1420	9.85	10.1	1	2.7758	-0.0007	3.7751	0	-0.0112	0.004	-0.0072
1421	9.96	10.1	1	2.7755	-0.0008	3.7747	0	-0.0119	0.0031	-0.0087
1422	10.2	10.2	1	2.7756	-0.0008	3.7748	0	-0.0042	0.003	-0.0012
1423	9.88	10.2	1	2.7758	-0.0007	3.7751	0	-0.0011	0.003	0.0019
1424	10.1	10.2	1	2.7759	-0.0007	3.7752	0	0.0046	0.0031	0.0077
1425	10.1	10.2	1	2.7758	-0.0007	3.7751	0	0.0069	0.0038	0.0107
1426	10	10.2	1	2.7757	-0.0007	3.775	0	0.0045	0.003	0.0075
1427	10.5	10.2	1	2.7759	-0.0007	3.7752	0	0.0018	0.003	0.0048
1428	10.3	10.2	1	2.7765	-0.0007	3.7758	0	-0.001	0.0028	0.0019
1429	10.6	10.2	1	2.7769	-0.0007	3.7762	0	0.0019	0.002	0.0039
1430	10.3	10.2	1	2.7771	-0.0007	3.7764	0	0.0019	0.002	0.0039
1431	10.4	10.2	1	2.7772	-0.0007	3.7765	0	-0.0037	0.002	-0.0017
1432	10.6	10.2	1	2.7775	-0.0007	3.7768	0	-0.0036	0.002	-0.0016
1433	10.3	10.3	1	2.7776	-0.0007	3.7769	0	-0.001	0.002	0.001
1434	10	10.2	1	2.7777	-0.0007	3.777	0	-0.0027	0.002	-0.0007

1435	10.2	10.3	1	2.778	-0.0007	3.7773	0	-0.001	0.002	0.001
1436	10.7	10.3	1	2.7783	-0.0007	3.7776	0	0.0066	0.002	0.0086
1437	10.3	10.2	1	2.7782	-0.0007	3.7775	0	0.0132	0.002	0.0152
1438	10	10.2	1	2.778	-0.0007	3.7773	0	0.018	0.002	0.02
1439	9.96	10.1	1	2.7776	-0.0007	3.7769	0	0.0184	0.003	0.0214
1440	9.62	10.1	1	2.7773	-0.0007	3.7766	0	0.0182	0.002	0.0202
1441	10.3	10.1	1	2.7768	-0.0007	3.7761	0	0.0195	0.002	0.0215
1442	10.5	10.1	1	2.7758	-0.0007	3.7751	0	0.0146	0.002	0.0166
1443	9.9	10.1	1	2.7744	-0.0007	3.7737	0	0.0203	0.002	0.0223
1444	10.5	10.1	1	2.7744	-0.0007	3.7737	0	0.0222	0.002	0.0242
1445	10.2	10.1	1	2.7747	-0.0007	3.774	0	0.0232	0.002	0.0252
1446	9.66	10.1	1	2.7746	-0.0007	3.7739	0	0.0258	0.0023	0.0282
1447	9.53	10	1	2.7743	-0.0007	3.7736	0	0.0264	0.0026	0.029
1448	9.71	10.1	1	2.7739	-0.0007	3.7732	0	0.0219	0.002	0.0239
1449	9.89	10.1	1	2.7736	-0.0007	3.7729	0	0.0202	0.0025	0.0227
1450	10.4	10.2	1	2.773	-0.0007	3.7723	0	0.0145	0.003	0.0175
1451	10.4	10.2	1	2.7729	-0.0007	3.7722	0	0.0143	0.003	0.0173
1452	10.1	10.1	1	2.7723	-0.0007	3.7716	0	0.0186	0.003	0.0216
1453	10.2	10.1	1	2.772	-0.0007	3.7713	0	0.012	0.0022	0.0143
1454	9.94	10.1	1	2.7719	-0.0007	3.7712	0	0.0128	0.002	0.0148
1455	9.93	10.1	1	2.7718	-0.0007	3.7711	0	0.0121	0.0029	0.015
1456	10	10.2	1	2.7713	-0.0007	3.7706	0	0.0119	0.0021	0.014
1457	10.4	10.2	1	2.771	-0.0007	3.7703	0	0.0081	0.002	0.0101
1458	10.7	10.2	1	2.7714	-0.0007	3.7706	0	0.005	0.002	0.007
1459	10.5	10.2	1	2.7715	-0.0008	3.7707	0	0.009	0.003	0.012
1460	10.5	10.1	1	2.7717	-0.0008	3.771	0	0.0252	0.003	0.0282
1461	10.2	10.1	1	2.7717	-0.0007	3.771	0	0.033	0.0028	0.0358
1462	9.84	10.1	1	2.7718	-0.0007	3.7711	0	0.0356	0.002	0.0376
1463	10.5	10.1	1	2.7722	-0.0007	3.7715	0	0.0434	0.002	0.0454
1464	10.3	10.1	1	2.7727	-0.0007	3.772	0	0.0423	0.0016	0.0439
1465	10.3	10.1	1	2.773	-0.0007	3.7723	0	0.0462	0.001	0.0472
1466	9.66	10.2	1	2.773	-0.0007	3.7723	0	0.0519	0.001	0.0529
1467	9.85	10.2	1	2.7724	-0.0008	3.7716	0	0.0528	0.001	0.0538
1468	9.54	10.2	1	2.7722	-0.0007	3.7715	0	0.0527	0.001	0.0537
1469	9.67	10.1	1	2.7722	-0.0007	3.7715	0	0.0562	0.001	0.0572
1470	9.94	10.1	1	2.7722	-0.0007	3.7715	0	0.0496	0.001	0.0506
1471	9.69	10.1	1	2.7719	-0.0007	3.7712	0	0.0461	0.001	0.0471

1472	9.89	10.1	1	2.7715	-0.0007	3.7708	0	0.0433	0.0001	0.0434
1473	10.8	10.1	1	2.7715	-0.0007	3.7708	0	0.0459	0	0.0459
1474	10.3	10.1	1	2.7711	-0.0008	3.7703	0	0.0491	0.001	0.0501
1475	10.6	10.2	1	2.7711	-0.0007	3.7704	0	0.0513	0.001	0.0523
1476	10.5	10.1	1	2.7712	-0.0007	3.7705	0	0.0533	0.001	0.0543
1477	10.3	10.2	1	2.7713	-0.0007	3.7706	0	0.0508	0.001	0.0518
1478	10.3	10.2	1	2.7713	-0.0007	3.7706	0	0.0552	0.001	0.0562
1479	10.3	10.2	1	2.7711	-0.0007	3.7704	0	0.064	0.001	0.065
1480	10.4	10.2	1	2.7714	-0.0007	3.7707	0	0.075	0.001	0.076
1481	10	10.3	1	2.7716	-0.0007	3.7709	0	0.0766	0.001	0.0776
1482	10.3	10.3	1	2.7716	-0.0007	3.7709	0	0.0759	0.001	0.0769
1483	10.3	10.2	1	2.7717	-0.0007	3.771	0	0.0833	0.001	0.0843
1484	10.6	10.2	1	2.7717	-0.0007	3.771	0	0.0877	0.001	0.0887
1485	9.52	10.2	1	2.7716	-0.0007	3.7709	0	0.0917	0.001	0.0927
1486	10.1	10.1	1	2.7713	-0.0007	3.7706	0	0.0962	0.001	0.0972
1487	10.1	10.1	1	2.7708	-0.0007	3.7701	0	0.1012	0.001	0.1022
1488	10.5	10.1	1	2.7705	-0.0008	3.7697	0	0.0966	0.001	0.0976
1489	10.1	10.1	1	2.7702	-0.0007	3.7695	0	0.0881	0.001	0.0891
1490	10.1	10.1	1	2.7701	-0.0007	3.7694	0	0.0767	0.001	0.0777
1491	10	10.1	1	2.7705	-0.0007	3.7698	0	0.0688	0.001	0.0698
1492	9.83	10.1	1	2.7703	-0.0007	3.7696	0	0.0634	0.001	0.0644
1493	10.1	10.1	1	2.7702	-0.0007	3.7695	0	0.0436	0.001	0.0446
1494	9.75	10	1	2.7701	-0.0007	3.7694	0	0.0295	0.001	0.0305
1495	9.9	10.1	1	2.7698	-0.0007	3.7691	0	0.0275	0.001	0.0285
1496	10.3	10.1	1	2.77	-0.0007	3.7693	0	0.0303	0.001	0.0313
1497	10.2	10.1	1	2.7705	-0.0007	3.7698	0	0.0295	0.001	0.0305
1498	10.1	10.1	1	2.7705	-0.0008	3.7698	0	0.0281	0.001	0.0291
1499	9.82	10	1	2.7712	-0.0008	3.7704	0	0.0308	0.001	0.0318
1500	10	10	1	2.7717	-0.0008	3.7709	0	0.0335	0.001	0.0345
1501	10.5	10	1	2.7719	-0.0008	3.7711	0	0.0313	0.001	0.0323
1502	10.4	10	1	2.7724	-0.0008	3.7716	0	0.0274	0.001	0.0284
1503	9.59	10	1	2.7723	-0.0008	3.7715	0	0.0164	0.001	0.0174
1504	9.94	10.1	1	2.772	-0.0008	3.7712	0	0.0167	0.001	0.0177
1505	10.4	10.1	1	2.7719	-0.0008	3.7711	0	0.0161	0.001	0.0171
1506	10.1	10.1	1	2.7718	-0.0008	3.771	0	0.0158	0.001	0.0168
1507	9.93	10.1	1	2.772	-0.0008	3.7712	0	0.0125	0.001	0.0135
1508	10	10.1	1	2.7716	-0.0008	3.7708	0	0.009	0.001	0.01

1509	9.52	10.1	1	2.7709	-0.0008	3.7701	0	0.0145	0.0007	0.0153
1510	10.2	10.1	1	2.7705	-0.0008	3.7697	0	0.0139	0	0.0139
1511	9.96	10.1	1	2.7704	-0.0008	3.7696	0	0.0186	0.0005	0.0191
1512	9.84	10.1	1	2.7698	-0.0008	3.769	0	0.0125	0.001	0.0135
1513	10.4	10.1	1	2.7698	-0.0008	3.769	0	0.0101	0.0011	0.0112
1514	10.6	10.1	1	2.7699	-0.0008	3.7691	0	0.0091	0.0018	0.0109
1515	10.4	10.1	1	2.7697	-0.0008	3.7689	0	0.0177	0.0013	0.019
1516	10.1	10.1	1	2.7699	-0.0008	3.7691	0	0.0301	0.0016	0.0318
1517	10.3	10.1	1	2.7702	-0.0008	3.7694	0	0.035	0.001	0.036
1518	10.1	10.1	1	2.7703	-0.0008	3.7695	0	0.0281	0.0001	0.0281
1519	10.3	10.1	1	2.7708	-0.0008	3.77	0	0.0261	0.0009	0.027
1520	9.81	10	1	2.7712	-0.0008	3.7704	0	0.026	0.001	0.027
1521	10.6	10	1	2.7712	-0.0008	3.7704	0	0.026	0.001	0.027
1522	9.96	9.98	1	2.771	-0.0008	3.7702	0	0.0251	0.001	0.0261
1523	10	9.92	1	2.7709	-0.0008	3.7701	0	0.0205	0.001	0.0215
1524	9.69	9.89	1	2.7708	-0.0008	3.77	0	0.0261	0.0009	0.0269
1525	9.63	9.9	1	2.7705	-0.0008	3.7697	0	0.0221	0.0002	0.0223
1526	10	9.92	1	2.7706	-0.0008	3.7698	0	0.0255	0.001	0.0265
1527	9.96	9.9	1	2.7704	-0.0008	3.7696	0	0.0312	0.001	0.0322
1528	9.61	9.92	1	2.7701	-0.0008	3.7693	0	0.028	0.001	0.029
1529	9.4	9.92	1	2.7694	-0.0008	3.7686	0	0.0275	0.001	0.0285
1530	9.48	9.98	1	2.7694	-0.0008	3.7686	0	0.0246	0.001	0.0256
1531	9.22	9.95	1	2.7696	-0.0008	3.7688	0	0.027	0.001	0.028
1532	9.13	9.92	1	2.7691	-0.0008	3.7683	0	0.029	0.001	0.03
1533	10.1	9.92	1	2.7688	-0.0008	3.768	0	0.029	0.001	0.03
1534	10.6	9.93	1	2.7685	-0.0008	3.7677	0	0.0291	0.001	0.0301
1535	10.6	9.93	1	2.7684	-0.0008	3.7676	0	0.0238	0.001	0.0248
1536	9.77	9.94	1	2.7682	-0.0008	3.7674	0	0.0222	0.001	0.0232
1537	10.5	9.95	1	2.7686	-0.0008	3.7678	0	0.0193	0.001	0.0203
1538	10.5	9.99	1	2.7692	-0.0008	3.7684	0	0.0125	0.001	0.0135
1539	10.8	10	1	2.77	-0.0008	3.7692	0	0.0047	0	0.0047
1540	10	10.1	1	2.7704	-0.0008	3.7696	0	0.0012	0.001	0.0022
1541	9.46	10.1	1	2.7704	-0.0008	3.7696	0	0.0029	0.001	0.0039
1542	9.97	10.1	1	2.7714	-0.0008	3.7706	0	0.0065	0.001	0.0075
1543	9.87	10.2	1	2.7714	-0.0008	3.7706	0	0.0004	0.001	0.0014
1544	9.79	10.2	1	2.7716	-0.0008	3.7708	0	-0.0017	0.001	-0.0007
1545	10.1	10.2	1	2.7716	-0.0008	3.7708	0	-0.0033	0.001	-0.0023

1546	10.2	10.3	1	2.7716	-0.0008	3.7708	0	-0.0055	0.001	-0.0045
1547	10.3	10.3	1	2.7714	-0.0008	3.7706	0	-0.0015	0.001	-0.0005
1548	10.5	10.3	1	2.7708	-0.0008	3.77	0	0.0097	0.001	0.0107
1549	10.2	10.3	1	2.7702	-0.0008	3.7694	0	0.0144	0.0005	0.0149
1550	9.77	10.4	1	2.7699	-0.0008	3.7691	0	0.0217	0	0.0217
1551	9.69	10.4	1	2.7701	-0.0008	3.7693	0	0.0267	0	0.0267
1552	10.5	10.4	1	2.7706	-0.0008	3.7698	0	0.0307	0	0.0307
1553	10.6	10.4	1	2.7703	-0.0008	3.7695	0	0.0358	0	0.0358
1554	10.9	10.4	1	2.7703	-0.0008	3.7695	0	0.0345	0	0.0345
1555	11.2	10.4	1	2.7702	-0.0008	3.7694	0	0.0319	0	0.0319
1556	11.2	10.4	1	2.7701	-0.0008	3.7693	0	0.0306	0	0.0306
1557	10.7	10.3	1	2.7701	-0.0008	3.7693	0	0.0273	0.0005	0.0279
1558	11	10.3	1	2.7699	-0.0008	3.7691	0	0.0282	0.001	0.0292
1559	11	10.2	1	2.7701	-0.0008	3.7693	0	0.0222	0.001	0.0232
1560	10.2	10.2	1	2.7699	-0.0008	3.7691	0	0.0142	0.001	0.0152
1561	10.1	10.2	1	2.7704	-0.0008	3.7696	0	0.0061	0.001	0.0071
1562	9.81	10.2	1	2.7708	-0.0008	3.77	0	0.0053	0.001	0.0063
1563	9.66	10.1	1	2.7713	-0.0009	3.7704	0	-0.0035	0.0001	-0.0033
1564	9.73	10.1	1	2.7709	-0.0008	3.7701	0	-0.0036	0	-0.0036
1565	9.7	10.1	1	2.77	-0.0009	3.7691	0	0.0034	0	0.0034
1566	9.55	10	1	2.7695	-0.0008	3.7687	0	0.0055	0	0.0055
1567	9.43	9.96	1	2.7695	-0.0008	3.7687	0	0.0093	0	0.0093
1568	9.52	9.91	1	2.7696	-0.0008	3.7688	0	0.0129	0	0.0129
1569	9.7	9.84	1	2.7696	-0.0008	3.7688	0	0.0206	0	0.0206
1570	9.67	9.84	1	2.7696	-0.0008	3.7688	0	0.0209	0	0.0209
1571	10	9.83	1	2.7694	-0.0008	3.7686	0	0.0227	0.0003	0.023
1572	9.69	9.85	1	2.7695	-0.0008	3.7687	0	0.0214	0.001	0.0224
1573	10.1	9.89	1	2.7689	-0.0008	3.7681	0	0.0157	0.0005	0.0162
1574	10.4	9.92	1	2.7689	-0.0008	3.7681	0	0.0084	0	0.0084
1575	9.92	9.96	1	2.7686	-0.0008	3.7678	0	0.0031	0	0.0031
1576	10.1	10	1	2.768	-0.0008	3.7672	0	-0.0031	0	-0.0031
1577	9.93	10	1	2.7685	-0.0008	3.7677	0	-0.0024	0	-0.0024
1578	9.66	10.1	1	2.7685	-0.0008	3.7677	0	-0.0093	0	-0.0093
1579	10.2	10.1	1	2.7686	-0.0008	3.7678	0	-0.0161	0.0008	-0.0153
1580	10.1	10.1	1	2.7687	-0.0008	3.7679	0	-0.0266	0.001	-0.0256
1581	10.2	10.1	1	2.7687	-0.0008	3.7679	0	-0.0291	0.001	-0.0281
1582	10.3	10.2	1	2.7687	-0.0008	3.7679	0	-0.0252	0.0002	-0.025

1583	10.4	10.2	1	2.7688	-0.0008	3.768	0	-0.0289	0	-0.0289
1584	10.5	10.2	1	2.7693	-0.0008	3.7685	0	-0.0334	0	-0.0334
1585	10.5	10.2	1	2.7694	-0.0008	3.7686	0	-0.034	0	-0.034
1586	9.94	10.2	1	2.7694	-0.0008	3.7686	0	-0.0326	0.0007	-0.0319
1587	10.2	10.3	1	2.7696	-0.0008	3.7688	0	-0.033	0.0003	-0.0327
1588	10.2	10.3	1	2.77	-0.0008	3.7692	0	-0.0265	0	-0.0265
1589	9.96	10.3	1	2.7701	-0.0008	3.7693	0	-0.0154	0	-0.0154
1590	10	10.3	1	2.7699	-0.0008	3.7691	0	-0.0058	0	-0.0058
1591	10.4	10.3	1	2.7698	-0.0008	3.769	0	0.0028	0	0.0028
1592	10.7	10.3	1	2.7702	-0.0008	3.7694	0	0.0058	0	0.0058
1593	10.5	10.3	1	2.7704	-0.0008	3.7696	0	0.0128	0	0.0128
1594	10.5	10.3	1	2.7704	-0.0008	3.7696	0	0.0132	0	0.0132
1595	10.5	10.3	1	2.7703	-0.0008	3.7695	0	0.0117	0	0.0117
1596	10.5	10.3	1	2.7701	-0.0008	3.7693	0	0.0066	0	0.0066
1597	10.3	10.4	1	2.7695	-0.0008	3.7687	0	0.013	0	0.013
1598	10.3	10.4	1	2.7691	-0.0008	3.7683	0	0.0061	0	0.0061
1599	9.77	10.3	1	2.769	-0.0008	3.7682	0	-0.0025	0	-0.0025
1600	10.1	10.3	1	2.7691	-0.0008	3.7683	0	-0.0009	0	-0.0009
1601	10.7	10.3	1	2.7688	-0.0008	3.768	0	-0.0006	0	-0.0006
1602	10.2	10.2	1	2.7688	-0.0008	3.768	0	0.0061	0	0.0061
1603	10.1	10.1	1	2.7689	-0.0008	3.7681	0	0.0155	0	0.0155
1604	10.7	10.1	1	2.7688	-0.0008	3.768	0	0.0169	0	0.0169
1605	10.8	10	1	2.7688	-0.0008	3.768	0	0.0207	0	0.0207
1606	10.6	9.98	1	2.7691	-0.0009	3.7682	0	0.0223	0	0.0223
1607	10.1	9.91	1	2.7692	-0.0009	3.7683	0	0.0199	0	0.0199
1608	9.56	9.86	1	2.7694	-0.0009	3.7685	0	0.0173	0	0.0173
1609	9.48	9.86	1	2.7694	-0.0009	3.7685	0	0.0091	0	0.0091
1610	9.67	9.88	1	2.7699	-0.0009	3.769	0	0.0106	0	0.0106
1611	9.14	9.85	1	2.7699	-0.0009	3.769	0	0.0068	0	0.0068
1612	9.6	9.84	1	2.7701	-0.0008	3.7693	0	0.011	0	0.011
1613	9.49	9.82	1	2.7702	-0.0008	3.7694	0	0.0089	-0.0001	0.0087
1614	9.35	9.78	1	2.7695	-0.0008	3.7687	0	0.013	-0.0008	0.0122
1615	9.6	9.76	1	2.7692	-0.0008	3.7684	0	0.0059	-0.0003	0.0056
1616	8.96	9.73	1	2.769	-0.0008	3.7682	0	-0.0033	-0.0006	-0.004
1617	9.31	9.74	1	2.7689	-0.0008	3.7681	0	-0.0027	0.0003	-0.0025
1618	9.78	9.78	1	2.7682	-0.0008	3.7674	0	-0.0001	0.0008	0.0007
1619	10.4	9.82	1	2.7688	-0.0008	3.768	0	-0.0047	0	-0.0047

1620	10.2	9.86	1	2.7689	-0.0008	3.7681	0	-0.0034	0	-0.0034
1621	9.97	9.92	1	2.7691	-0.0009	3.7682	0	-0.0031	0	-0.0031
1622	9.77	9.99	1	2.7694	-0.0009	3.7686	0	-0.0106	0	-0.0106
1623	10.1	10	1	2.7701	-0.0008	3.7693	0	-0.0159	0	-0.0159
1624	10.3	10.1	1	2.7704	-0.0008	3.7696	0	-0.0261	0	-0.0261
1625	10	10.1	1	2.7708	-0.0008	3.77	0	-0.0279	-0.0006	-0.0285
1626	10.4	10.2	1	2.7709	-0.0008	3.7701	0	-0.0267	-0.001	-0.0277
1627	10.4	10.2	1	2.7713	-0.0008	3.7705	0	-0.0283	-0.0002	-0.0285
1628	10.2	10.3	1	2.7717	-0.0009	3.7709	0	-0.025	0	-0.025
1629	10.4	10.3	1	2.7721	-0.0009	3.7712	0	-0.0249	0	-0.0249
1630	10.4	10.3	1	2.7723	-0.0009	3.7714	0	-0.027	0	-0.027
1631	10.8	10.3	1	2.7722	-0.0008	3.7713	0	-0.0311	0	-0.0311
1632	10.3	10.3	1	2.772	-0.0008	3.7712	0	-0.0326	0	-0.0326
1633	9.96	10.3	1	2.7721	-0.0008	3.7713	0	-0.0268	0	-0.0268
1634	10.3	10.3	1	2.7719	-0.0008	3.7711	0	-0.0201	0	-0.0201
1635	10.7	10.3	1	2.7717	-0.0009	3.7708	0	-0.0182	0	-0.0182
1636	10.2	10.3	1	2.7715	-0.0008	3.7707	0	-0.0198	0	-0.0198
1637	10.3	10.3	1	2.7712	-0.0008	3.7704	0	-0.0217	0	-0.0217
1638	10.3	10.3	1	2.7707	-0.0008	3.7699	0	-0.017	0	-0.017
1639	10.5	10.3	1	2.7705	-0.0008	3.7697	0	-0.0056	0	-0.0056
1640	10.8	10.3	1	2.7701	-0.0008	3.7693	0	-0.0028	0	-0.0028
1641	9.92	10.3	1	2.7698	-0.0008	3.769	0	-0.008	0	-0.008
1642	9.99	10.2	1	2.7701	-0.0008	3.7693	0	-0.0109	0	-0.0109
1643	10.5	10.2	1	2.7701	-0.0008	3.7693	0	-0.0082	0	-0.0082
1644	10.2	10.2	1	2.7705	-0.0008	3.7697	0	-0.0073	0	-0.0073
1645	9.65	10.2	1	2.771	-0.0008	3.7702	0	-0.006	0	-0.006
1646	10.4	10.1	1	2.7703	-0.0008	3.7695	0	-0.0097	0	-0.0097
1647	10.9	10.1	1	2.7708	-0.0008	3.77	0	-0.0077	0	-0.0077
1648	9.83	10.1	1	2.7711	-0.0008	3.7703	0	-0.0131	0	-0.0131
1649	10.1	10.1	1	2.7703	-0.0008	3.7695	0	-0.0173	0	-0.0173
1650	10.1	10	1	2.7699	-0.0008	3.7691	0	-0.0137	0	-0.0137
1651	9.75	10.1	1	2.7695	-0.0008	3.7687	0	-0.0137	0.0009	-0.0127
1652	10.1	10.1	1	2.7691	-0.0008	3.7683	0	-0.019	0	-0.019
1653	9.73	10.1	1	2.7687	-0.0008	3.7679	0	-0.018	0.0001	-0.0179
1654	9.66	10	1	2.7682	-0.0008	3.7674	0	-0.0174	0.0009	-0.0166
1655	10.2	10.1	1	2.768	-0.0008	3.7672	0	-0.0167	0.0002	-0.0165
1656	10.3	10	1	2.7681	-0.0008	3.7673	0	-0.0122	0.0008	-0.0113

1657	10.3	9.97	1	2.7684	-0.0008	3.7676	0	-0.0078	-0.0005	-0.0084
1658	9.67	9.98	1	2.769	-0.0008	3.7682	0	-0.0052	-0.001	-0.0062
1659	9.52	9.98	1	2.769	-0.0008	3.7682	0	-0.0031	-0.001	-0.0041
1660	10.5	9.95	1	2.7692	-0.0008	3.7684	0	-0.0008	-0.001	-0.0018
1661	10.5	9.94	1	2.7693	-0.0008	3.7685	0	0.006	-0.001	0.005
1662	9.7	9.94	1	2.7699	-0.0008	3.7691	0	0.0095	-0.001	0.0085
1663	9.86	9.95	1	2.77	-0.0008	3.7692	0	0.0131	-0.0001	0.013
1664	10	9.94	1	2.7703	-0.0008	3.7695	0	0.0152	0	0.0152
1665	9.74	9.92	1	2.7703	-0.0008	3.7695	0	0.0132	0	0.0132
1666	9.93	9.89	1	2.7698	-0.0008	3.7689	0	0.0109	0	0.0109
1667	9.93	9.87	1	2.7696	-0.0009	3.7687	0	0.009	0.0009	0.0099
1668	10.1	9.92	1	2.7701	-0.0008	3.7693	0	0.0087	0.0001	0.0087
1669	9.57	9.95	1	2.7699	-0.0008	3.7691	0	-0.0009	0	-0.0009
1670	9.67	9.98	1	2.7699	-0.0008	3.7691	0	0.0134	0	0.0134
1671	10	9.96	1	2.7704	-0.0008	3.7696	0	0.0119	-0.0003	0.0116
1672	9.93	10	1	2.771	-0.0008	3.7702	0	0.0122	-0.001	0.0112
1673	9.54	10	1	2.7715	-0.0008	3.7707	0	0.0141	-0.0003	0.0138
1674	9.66	10.1	1	2.7717	-0.0007	3.7709	0	0.0207	0.001	0.0217
1675	9.75	10.2	1	2.7713	-0.0007	3.7706	0	0.0268	0.001	0.0278
1676	10.1	10.2	1	2.7709	-0.0008	3.7701	0	0.029	0.0006	0.0296
1677	10.4	10.3	1	2.771	-0.0008	3.7702	0	0.0307	0	0.0307
1678	10.1	10.3	1	2.771	-0.0008	3.7702	0	0.0376	0	0.0376
1679	11.1	10.4	1	2.7713	-0.0008	3.7705	0	0.0419	-0.0008	0.0411
1680	10.2	10.4	1	2.7718	-0.0008	3.771	0	0.0439	-0.001	0.0429
1681	10.5	10.5	1	2.772	-0.0008	3.7712	0	0.0475	-0.001	0.0465
1682	10.7	10.5	1	2.7714	-0.0008	3.7706	0	0.0414	-0.0002	0.0411
1683	11.2	10.6	1	2.7708	-0.0008	3.77	0	0.0338	0	0.0338
1684	11	10.6	1	2.7711	-0.0008	3.7703	0	0.0325	0	0.0325
1685	10.6	10.7	1	2.7714	-0.0008	3.7706	0	0.0254	0	0.0254
1686	11.1	10.7	1	2.7716	-0.0008	3.7708	0	0.0162	-0.0007	0.0155
1687	11.1	10.7	1	2.7713	-0.0008	3.7705	0	0.0118	-0.0003	0.0115
1688	10.7	10.7	1	2.7706	-0.0008	3.7698	0	0.0076	0	0.0076
1689	10.5	10.7	1	2.7703	-0.0008	3.7695	0	0.0037	0	0.0037
1690	10.9	10.7	1	2.7707	-0.0008	3.7699	0	0.005	0	0.005
1691	11.1	10.7	1	2.7709	-0.0008	3.7701	0	0.0083	0	0.0083
1692	10.5	10.7	1	2.7711	-0.0008	3.7703	0	0.0083	0	0.0083
1693	10.5	10.7	1	2.7711	-0.0008	3.7703	0	0.012	0	0.012

1694	10.4	10.7	1	2.771	-0.0008	3.7702	0	0.0139	0	0.0139
1695	10.9	10.7	1	2.7713	-0.0008	3.7705	0	0.0147	0	0.0147
1696	10.6	10.6	1	2.7709	-0.0008	3.7701	0	0.0208	0	0.0208
1697	10.2	10.6	1	2.7708	-0.0008	3.77	0	0.0133	0	0.0133
1698	10.4	10.6	1	2.7708	-0.0008	3.77	0	0.019	0	0.019
1699	10.1	10.6	1	2.7704	-0.0008	3.7696	0	0.0203	0	0.0203
1700	10.4	10.6	1	2.7704	-0.0009	3.7695	0	0.0151	0	0.0151
1701	11	10.6	1	2.7707	-0.0008	3.7699	0	0.0109	0	0.0109
1702	10.6	10.6	1	2.7706	-0.0008	3.7698	0	0.0055	0	0.0055
1703	11.2	10.6	1	2.7706	-0.0009	3.7697	0	-0.0024	0	-0.0024
1704	10.5	10.6	1	2.7705	-0.0008	3.7697	0	-0.0104	0	-0.0104
1705	10.3	10.5	1	2.7701	-0.0009	3.7692	0	-0.0183	0	-0.0183
1706	10.5	10.5	1	2.7699	-0.0008	3.7691	0	-0.0233	0.0005	-0.0227
1707	10.8	10.5	1	2.7697	-0.0008	3.7689	0	-0.0218	0.001	-0.0208
1708	10.6	10.5	1	2.7697	-0.0008	3.7689	0	-0.0219	0.0004	-0.0216
1709	10.5	10.5	1	2.7695	-0.0008	3.7687	0	-0.0155	0	-0.0155
1710	10.8	10.5	1	2.7693	-0.0008	3.7685	0	-0.0134	0	-0.0134
1711	10.4	10.5	1	2.7689	-0.0008	3.7681	0	-0.0069	0	-0.0069
1712	10.3	10.5	1	2.7688	-0.0008	3.768	0	0.0043	0	0.0043
1713	10.5	10.4	1	2.7687	-0.0008	3.7679	0	0.011	0	0.011
1714	10.5	10.4	1	2.7682	-0.0008	3.7674	0	0.0118	0	0.0118
1715	10.3	10.4	1	2.7681	-0.0008	3.7673	0	0.0123	0	0.0123
1716	9.81	10.3	1	2.7681	-0.0009	3.7672	0	0.0145	0	0.0145
1717	10.3	10.3	1	2.768	-0.0008	3.7672	0	0.0061	-0.0003	0.0059
1718	10.8	10.3	1	2.7683	-0.0008	3.7675	0	0.0013	-0.0008	0.0005
1719	10.2	10.2	1	2.7674	-0.0008	3.7666	0	0.0078	0	0.0078
1720	10.9	10.2	1	2.7677	-0.0008	3.7669	0	0.0104	0	0.0104
1721	9.92	10.2	1	2.7678	-0.0008	3.767	0	0.0111	0	0.0111
1722	9.83	10.2	1	2.768	-0.0008	3.7672	0	0.0196	0	0.0196
1723	9.95	10.1	1	2.768	-0.0009	3.7671	0	0.0311	0	0.0311
1724	9.98	10.1	1	2.7678	-0.0009	3.7669	0	0.0404	0	0.0404
1725	9.92	10.1	1	2.7679	-0.0009	3.767	0	0.042	0.0006	0.0427
1726	10.3	10.1	1	2.7678	-0.0008	3.767	0	0.0353	0.001	0.0363
1727	9.92	10.1	1	2.7676	-0.0008	3.7668	0	0.0299	0.0002	0.0301
1728	10	10.1	1	2.7675	-0.0008	3.7667	0	0.0273	0	0.0273
1729	10.5	10	1	2.7677	-0.0008	3.7669	0	0.0305	0	0.0305
1730	10.1	10	1	2.7676	-0.0008	3.7668	0	0.033	0	0.033

1731	9.79	10	1	2.768	-0.0008	3.7672	0	0.043	0	0.043
1732	9.7	10	1	2.7686	-0.0008	3.7678	0	0.0435	0	0.0435
1733	9.68	10	1	2.7689	-0.0008	3.7681	0	0.0368	0	0.0368
1734	10.1	10	1	2.7694	-0.0008	3.7686	0	0.0309	0	0.0309
1735	10.2	10.1	1	2.77	-0.0008	3.7692	0	0.0354	0	0.0354
1736	10.2	10	1	2.7704	-0.0008	3.7696	0	0.0382	0	0.0382
1737	10.3	10.1	1	2.7705	-0.0008	3.7697	0	0.0417	0	0.0417
1738	9.72	10.1	1	2.7704	-0.0008	3.7696	0	0.0391	0	0.0391
1739	10.2	10.1	1	2.77	-0.0008	3.7692	0	0.0352	0	0.0352
1740	9.95	10.1	1	2.7693	-0.0008	3.7685	0	0.0362	0.0003	0.0365
1741	10.1	10.2	1	2.769	-0.0008	3.7682	0	0.0407	0.001	0.0417
1742	9.92	10.2	1	2.7689	-0.0008	3.7681	0	0.0455	0.001	0.0465
1743	9.84	10.2	1	2.7687	-0.0008	3.7679	0	0.0437	0.001	0.0447
1744	10.8	10.3	1	2.769	-0.0008	3.7682	0	0.041	0.001	0.042
1745	9.87	10.3	1	2.7689	-0.0008	3.7681	0	0.0417	0.001	0.0427
1746	10.6	10.3	1	2.769	-0.0008	3.7682	0	0.0451	0.001	0.0461
1747	10.9	10.3	1	2.7689	-0.0008	3.7681	0	0.0407	0.001	0.0417
1748	10.6	10.3	1	2.769	-0.0008	3.7682	0	0.0331	0.001	0.0341
1749	10.4	10.3	1	2.7688	-0.0008	3.768	0	0.0262	0.001	0.0272
1750	10.2	10.3	1	2.7688	-0.0008	3.768	0	0.0123	0.001	0.0133
1751	10.1	10.3	1	2.769	-0.0008	3.7682	0	0.014	0.0001	0.0141
1752	10.3	10.3	1	2.7693	-0.0008	3.7685	0	0.0169	0.001	0.0179
1753	10.8	10.4	1	2.7697	-0.0008	3.7689	0	0.0161	0.0009	0.017
1754	10.5	10.3	1	2.7701	-0.0008	3.7693	0	0.0163	0.0002	0.0164
1755	10.3	10.4	1	2.7703	-0.0009	3.7694	0	0.0155	0.0009	0.0164
1756	10.2	10.3	1	2.7703	-0.0009	3.7694	0	0.011	0.0002	0.0112
1757	10.1	10.3	1	2.7706	-0.0008	3.7697	0	0.0089	0.0011	0.0099
1758	10.1	10.2	1	2.7706	-0.0008	3.7698	0	0.0073	0.0011	0.0084
1759	10.2	10.2	1	2.7703	-0.0008	3.7695	0	0.007	0.0011	0.0081
1760	10.1	10.2	1	2.7699	-0.0008	3.7691	0	0.0054	0.0011	0.0065
1761	10.5	10.2	1	2.7689	-0.0008	3.7681	0	0.0031	0.0011	0.0042
1762	10.4	10.2	1	2.7688	-0.0008	3.768	0	-0.0012	0.0011	-0.0001
1763	10.4	10.2	1	2.7688	-0.0008	3.768	0	-0.0022	0.0011	-0.001
1764	10.2	10.2	1	2.7691	-0.0008	3.7683	0	-0.0039	0.0011	-0.0028
1765	9.67	10.2	1	2.7688	-0.0008	3.768	0	-0.0096	0.0012	-0.0085
1766	10.4	10.2	1	2.7692	-0.0008	3.7684	0	-0.0108	0.0012	-0.0097
1767	9.6	10.2	1	2.7694	-0.0008	3.7686	0	-0.011	0.0001	-0.0108

1768	9.73	10.2	1	2.7693	-0.0008	3.7685	0	-0.0122	0.0011	-0.0111
1769	10.2	10.1	1	2.7689	-0.0008	3.7681	0	-0.0088	0.0012	-0.0076
1770	10.3	10.1	1	2.7688	-0.0008	3.768	0	-0.0199	0.0012	-0.0186
1771	10.3	10.1	1	2.7685	-0.0008	3.7677	0	-0.0164	0.0012	-0.0152
1772	10.2	10.1	1	2.7679	-0.0008	3.7671	0	-0.015	0.0013	-0.0138
1773	10.7	10.1	1	2.7675	-0.0008	3.7667	0	-0.0128	0.001	-0.0118
1774	10.3	10.1	1	2.7675	-0.0008	3.7667	0	-0.0134	0	-0.0134
1775	9.74	10.1	1	2.7677	-0.0008	3.7669	0	-0.0165	0	-0.0165
1776	10.2	10.1	1	2.7679	-0.0008	3.7671	0	-0.0155	0.0005	-0.015
1777	9.72	10.1	1	2.7682	-0.0008	3.7674	0	-0.0165	0.0014	-0.0152
1778	9.96	10.1	1	2.768	-0.0008	3.7672	0	-0.02	0.0014	-0.0186
1779	10.3	10.1	1	2.768	-0.0008	3.7672	0	-0.0206	0.0014	-0.0192
1780	10	10.1	1	2.7675	-0.0008	3.7667	0	-0.0185	0.0014	-0.0171
1781	9.75	10.1	1	2.7676	-0.0008	3.7668	0	-0.0203	0.0014	-0.0189
1782	10.4	10.1	1	2.7677	-0.0008	3.7669	0	-0.0143	0.0014	-0.0128
1783	9.93	10	1	2.7677	-0.0008	3.7669	0	-0.0056	0.0015	-0.0041
1784	10.1	10	1	2.7676	-0.0008	3.7668	0	-0.0019	0.0015	-0.0004
1785	10	10	1	2.7676	-0.0008	3.7668	0	0.0052	0.0015	0.0067
1786	9.74	10	1	2.7674	-0.0008	3.7666	0	0.0156	0.0015	0.0172
1787	10.3	9.99	1	2.7674	-0.0008	3.7666	0	0.0208	0.0016	0.0224
1788	10.3	9.96	1	2.7671	-0.0008	3.7663	0	0.0228	0.0016	0.0244
1789	10.2	9.92	1	2.7667	-0.0008	3.7659	0	0.0218	0.0016	0.0235
1790	10.1	9.89	1	2.7666	-0.0009	3.7657	0	0.0166	0.0016	0.0182
1791	10.1	9.91	1	2.7664	-0.0009	3.7655	0	0.0049	0.0017	0.0066
1792	9.82	9.88	1	2.7667	-0.0009	3.7658	0	0	0.0017	0.0017
1793	9.88	9.86	1	2.767	-0.0009	3.7661	0	-0.0018	0.0017	-0.0001
1794	9.74	9.84	1	2.7669	-0.0009	3.766	0	-0.0053	0.0018	-0.0035
1795	9.7	9.77	1	2.7668	-0.0009	3.7659	0	-0.0006	0.0018	0.0012
1796	9.53	9.69	1	2.7668	-0.0009	3.7659	0	-0.0022	0.0018	-0.0003
1797	9.3	9.65	1	2.7675	-0.0009	3.7666	0	-0.0006	0.0019	0.0012
1798	9.48	9.62	1	2.7682	-0.0009	3.7673	0	-0.0017	0.0019	0.0002
1799	9.53	9.75	1	2.7692	-0.0009	3.7683	0	0.0004	0.0019	0.0023
1800	10.2	10.2	1	2.769	-0.0009	3.7681	0	-0.0044	0.002	-0.0024