

Test Name	BRK, MW, rep 2
Cladding	Brick
Cladding Thickness [mm]	102
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	2
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a Brick cladding and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	There were no noticeable observations for this test.
Peak HRR [kW]	0
Time to Peak HRR [mins]	
Residual HRR [kW]	1.96
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	0.0819	0.0819	1	2.8022	-0.0007	3.8015	0	0.0959	-0.0578	0.0381
1	0.177	0.152	1	2.8021	0.0014	3.8034	0	0.0923	-0.0583	0.034
2	0.197	0.169	1	2.802	0.0019	3.8039	0	0.0935	-0.0593	0.0342
3	0.135	0.352	1	2.8019	0.0019	3.8038	0	0.0921	-0.0583	0.0338
4	0.254	0.925	1	2.8018	0.0015	3.8033	0	0.0988	-0.057	0.0418
5	0.482	1.71	1	2.8016	0.0009	3.8026	0	0.0915	-0.0544	0.0371
6	1.14	2.44	1	2.8013	0.0011	3.8024	0	0.0942	-0.0534	0.0408
7	2.34	3.11	1	2.8011	0.0012	3.8023	0	0.0904	-0.0525	0.038
8	3.52	3.71	1	2.8009	0.0012	3.8021	0	0.0849	-0.0507	0.0342
9	4.74	4.22	1	2.8	0.0012	3.8012	0	0.0826	-0.049	0.0337
10	5.71	4.68	1	2.8004	0.0011	3.8015	0	0.0789	-0.0494	0.0295
11	6.09	5.12	1	2.8003	0.0017	3.802	0	0.078	-0.0477	0.0304
12	6.81	5.61	1	2.7998	0.0022	3.802	0	0.08	-0.0466	0.0334
13	7.38	6.1	1	2.7995	0.0021	3.8016	0	0.0726	-0.0474	0.0252
14	7.62	6.57	1	2.7996	0.0018	3.8014	0	0.0715	-0.0452	0.0263
15	8.11	7.05	1	2.7998	0.0017	3.8014	0	0.0714	-0.0445	0.0269
16	8.29	7.46	1	2.7995	0.0016	3.8011	0	0.072	-0.0438	0.0282
17	8.34	7.81	1	2.7993	0.0016	3.8009	0	0.0656	-0.0431	0.0224
18	8.78	8.1	1	2.7991	0.0015	3.8006	0	0.0643	-0.0425	0.0218
19	8.82	8.32	1	2.7991	0.0015	3.8006	0	0.0691	-0.0427	0.0264
20	8.51	8.51	1	2.7989	0.0016	3.8005	0	0.0691	-0.0417	0.0274
21	9.49	8.67	1	2.7989	0.0016	3.8005	0	0.0673	-0.0407	0.0266
22	9.53	8.82	1	2.7986	0.0016	3.8002	0	0.0626	-0.0401	0.0225
23	9.07	8.92	1	2.7991	0.0016	3.8007	0	0.06	-0.0383	0.0217
24	9.59	9.04	1	2.7988	0.0016	3.8004	0	0.0577	-0.0364	0.0213
25	8.93	9.15	1	2.7988	0.0016	3.8004	0	0.0555	-0.0372	0.0183
26	9.07	9.24	1	2.7987	0.0016	3.8003	0	0.0543	-0.0367	0.0176
27	9.02	9.33	1	2.7987	0.0016	3.8003	0	0.0551	-0.0362	0.0188
28	9	9.38	1	2.7986	0.0015	3.8001	0	0.0535	-0.0358	0.0178

29	9.26	9.4	1	2.7982	0.0014	3.7996	0	0.0507	-0.0353	0.0154
30	9.08	9.44	1	2.798	0.0014	3.7994	0	0.0485	-0.0349	0.0136
31	9.76	9.41	1	2.798	0.0018	3.7998	0	0.0469	-0.0345	0.0125
32	9.22	9.42	1	2.7985	0.0018	3.8003	0	0.0482	-0.034	0.0141
33	9.96	9.49	1	2.7983	0.0018	3.8001	0	0.0467	-0.0336	0.0131
34	10.2	9.52	1	2.7981	0.0018	3.7999	0	0.0452	-0.0332	0.012
35	9.84	9.55	1	2.798	0.0018	3.7998	0	0.0488	-0.0328	0.0159
36	10.2	9.57	1	2.7983	0.0018	3.8001	0	0.0521	-0.0324	0.0196
37	9.73	9.6	1	2.7981	0.0018	3.7999	0	0.0523	-0.0321	0.0202
38	9.13	9.62	1	2.7981	0.0019	3.8	0	0.0526	-0.0317	0.0209
39	9.3	9.67	1	2.7985	0.0021	3.8005	0	0.0533	-0.0314	0.0219
40	8.89	9.73	1	2.7984	0.002	3.8004	0	0.052	-0.031	0.021
41	9.8	9.73	1	2.7982	0.002	3.8002	0	0.0486	-0.0307	0.0179
42	10.4	9.76	1	2.7985	0.002	3.8005	0	0.0495	-0.0313	0.0182
43	10.2	9.75	1	2.7984	0.002	3.8004	0	0.0492	-0.0311	0.0181
44	9.39	9.71	1	2.798	0.0021	3.8001	0	0.0499	-0.0307	0.0192
45	9.45	9.73	1	2.7981	0.0024	3.8005	0	0.0513	-0.0304	0.0209
46	9.63	9.71	1	2.7977	0.0024	3.8	0	0.0517	-0.0301	0.0216
47	9.45	9.72	1	2.7976	0.0023	3.7999	0	0.053	-0.0298	0.0232
48	10.1	9.74	1	2.7979	0.0023	3.8002	0	0.0543	-0.0295	0.0248
49	10.3	9.76	1	2.7978	0.0023	3.8001	0	0.0563	-0.0292	0.0271
50	9.77	9.81	1	2.7979	0.0024	3.8003	0	0.0538	-0.0289	0.0248
51	9.76	9.78	1	2.7977	0.0025	3.8002	0	0.0505	-0.03	0.0205
52	9.87	9.72	1	2.7977	0.0025	3.8002	0	0.0508	-0.0086	0.0422
53	9.4	9.68	1	2.7972	0.0025	3.7997	0	0.0479	-0.0028	0.0451
54	10.1	9.67	1	2.7975	0.0024	3.7999	0	0.0471	-0.0026	0.0445
55	9.92	9.66	1	2.7973	0.0024	3.7997	0	0.048	-0.0073	0.0407
56	9.88	9.67	1	2.7974	0.0024	3.7998	0	0.046	-0.0125	0.0335
57	9.53	9.69	1	2.7977	0.0023	3.8	0	0.0443	-0.0115	0.0328
58	9.67	9.67	1	2.7977	0.0023	3.8	0	0.0426	-0.011	0.0316
59	9.72	9.63	1	2.7978	0.0024	3.8002	0	0.0408	-0.011	0.0298
60	9.28	9.62	1	2.7978	0.0023	3.8001	0	0.0317	-0.011	0.0207
61	9.29	9.65	1	2.7976	0.0023	3.7999	0	0.0356	-0.012	0.0236
62	9.51	9.65	1	2.798	0.0024	3.8004	0	0.0339	-0.0057	0.0282
63	9.06	9.71	1	2.798	0.0023	3.8003	0	0.0331	-0.0012	0.032
64	9.23	9.67	1	2.7979	0.0023	3.8002	0	0.033	-0.0025	0.0305
65	9.96	9.68	1	2.7978	0.0023	3.8001	0	0.0332	-0.0047	0.0285

66	9.77	9.66	1	2.7982	0.0023	3.8005	0	0.0364	-0.0064	0.0299
67	9.7	9.68	1	2.7982	0.0023	3.8005	0	0.0371	-0.0067	0.0304
68	9.57	9.69	1	2.7978	0.0024	3.8002	0	0.0352	-0.006	0.0292
69	9.59	9.68	1	2.7977	0.0023	3.8001	0	0.0329	-0.0067	0.0261
70	10.3	9.71	1	2.7978	0.0023	3.8001	0	0.0342	-0.007	0.0272
71	9.84	9.75	1	2.7981	0.0023	3.8004	0	0.0322	-0.0061	0.0261
72	10.6	9.75	1	2.7982	0.0022	3.8004	0	0.0279	-0.006	0.0219
73	9.44	9.75	1	2.7983	0.0021	3.8004	0	0.0236	-0.006	0.0176
74	9.93	9.75	1	2.7984	0.0022	3.8006	0	0.0223	-0.006	0.0163
75	9.58	9.72	1	2.7984	0.0022	3.8006	0	0.0194	-0.006	0.0134
76	9.96	9.71	1	2.7983	0.0022	3.8005	0	0.0196	-0.006	0.0136
77	9.81	9.69	1	2.7984	0.0022	3.8006	0	0.0125	-0.006	0.0065
78	9.63	9.67	1	2.7986	0.0022	3.8008	0	0.0097	-0.006	0.0037
79	9.81	9.66	1	2.7987	0.0022	3.8009	0	0.0082	-0.0067	0.0015
80	10.1	9.61	1	2.7988	0.0022	3.801	0	0.0058	-0.0078	-0.0019
81	9.41	9.61	1	2.7986	0.0022	3.8008	0	0.0024	-0.008	-0.0056
82	9.07	9.58	1	2.7987	0.0022	3.8009	0	0	-0.0042	-0.0042
83	9.33	9.61	1	2.7988	0.0022	3.801	0	0.0049	-0.004	0.0009
84	9.34	9.62	1	2.7984	0.0022	3.8006	0	0.0044	-0.004	0.0004
85	9.53	9.64	1	2.7981	0.0022	3.8003	0	0.003	-0.004	-0.001
86	9.26	9.63	1	2.798	0.0022	3.8002	0	0.0036	-0.004	-0.0004
87	9.32	9.65	1	2.7979	0.0022	3.8001	0	0.0075	-0.004	0.0035
88	9.36	9.68	1	2.7978	0.0022	3.8	0	0.0057	-0.004	0.0017
89	9.34	9.68	1	2.7979	0.0022	3.8001	0	0.0071	-0.003	0.004
90	9.86	9.65	1	2.7982	0.0022	3.8004	0	0.0136	-0.0034	0.0103
91	10	9.67	1	2.798	0.0023	3.8003	0	0.013	-0.0058	0.0072
92	9.9	9.73	1	2.798	0.0023	3.8003	0	0.0155	-0.006	0.0095
93	10.2	9.76	1	2.7979	0.0023	3.8002	0	0.0216	-0.0053	0.0163
94	9.95	9.79	1	2.7977	0.0023	3.8	0	0.0265	-0.0043	0.0222
95	9.84	9.82	1	2.7976	0.0023	3.7999	0	0.0287	-0.0032	0.0256
96	10.1	9.82	1	2.7974	0.0023	3.7997	0	0.0365	0	0.0365
97	10.2	9.82	1	2.7973	0.0023	3.7996	0	0.0298	-0.0004	0.0294
98	9.83	9.82	1	2.797	0.0023	3.7993	0	0.0279	-0.001	0.0269
99	9.47	9.82	1	2.7972	0.0023	3.7995	0	0.0333	-0.001	0.0323
100	9.74	9.81	1	2.7971	0.0023	3.7994	0	0.0354	-0.001	0.0344
101	10.2	9.78	1	2.797	0.0022	3.7992	0	0.0413	-0.0002	0.0411
102	10	9.76	1	2.7972	0.0022	3.7994	0	0.0422	0.0009	0.0431

103	9.89	9.73	1	2.7972	0.0022	3.7994	0	0.0442	0.001	0.0452
104	9.99	9.7	1	2.797	0.0022	3.7992	0	0.0394	0.0009	0.0403
105	9.24	9.72	1	2.7971	0.0022	3.7993	0	0.043	0	0.043
106	9.45	9.68	1	2.7969	0.0022	3.7991	0	0.0401	0.0009	0.041
107	9.24	9.63	1	2.7968	0.0023	3.7991	0	0.0393	0.001	0.0403
108	9.46	9.6	1	2.7968	0.0023	3.7991	0	0.0416	0.0005	0.0421
109	9.61	9.61	1	2.7968	0.0023	3.7991	0	0.0418	0	0.0418
110	9.51	9.62	1	2.7968	0.0023	3.7991	0	0.036	0.0007	0.0367
111	9.48	9.57	1	2.7969	0.0023	3.7992	0	0.0345	0.0002	0.0347
112	9.71	9.56	1	2.7965	0.0023	3.7988	0	0.0356	0	0.0356
113	9.33	9.54	1	2.7962	0.0023	3.7985	0	0.0415	0.001	0.0425
114	10.2	9.56	1	2.7963	0.0023	3.7986	0	0.0423	0	0.0423
115	9.39	9.57	1	2.7961	0.0023	3.7984	0	0.0447	0	0.0447
116	9.28	9.56	1	2.7958	0.0023	3.7981	0	0.045	0	0.045
117	9.22	9.59	1	2.7958	0.0022	3.798	0	0.0464	0.0008	0.0472
118	9.68	9.59	1	2.7958	0.0022	3.798	0	0.0496	0.001	0.0506
119	9.92	9.58	1	2.7957	0.0022	3.7979	0	0.0442	0.0016	0.0458
120	9.29	9.56	1	2.7957	0.0022	3.7979	0	0.0402	0.0013	0.0415
121	9.81	9.55	1	2.7961	0.0022	3.7983	0	0.0356	0.001	0.0366
122	9.46	9.55	1	2.7963	0.0022	3.7985	0	0.0446	0.001	0.0456
123	10.3	9.55	1	2.7969	0.0022	3.7991	0	0.0443	0	0.0444
124	9.42	9.5	1	2.7969	0.0022	3.7991	0	0.0422	-0.0009	0.0413
125	9.41	9.51	1	2.7968	0.0022	3.799	0	0.0391	0	0.0391
126	9.72	9.55	1	2.7975	0.0022	3.7997	0	0.0351	0	0.0351
127	9.42	9.59	1	2.7977	0.0022	3.7999	0	0.0334	-0.0004	0.033
128	9.44	9.57	1	2.7978	0.0022	3.8	0	0.0345	-0.0015	0.033
129	9.21	9.59	1	2.7976	0.0022	3.7998	0	0.0306	-0.0026	0.028
130	9.3	9.64	1	2.7978	0.0022	3.8	0	0.0238	-0.003	0.0208
131	9.6	9.65	1	2.798	0.0022	3.8002	0	0.0221	-0.003	0.0191
132	9.48	9.69	1	2.798	0.0022	3.8002	0	0.0188	-0.003	0.0158
133	9.07	9.65	1	2.7978	0.0022	3.8	0	0.019	-0.0021	0.0168
134	9.68	9.65	1	2.7978	0.0022	3.8	0	0.0207	-0.002	0.0187
135	10.1	9.63	1	2.7976	0.0022	3.7998	0	0.0203	-0.003	0.0173
136	9.82	9.59	1	2.7975	0.0022	3.7997	0	0.02	-0.002	0.018
137	9.4	9.55	1	2.7976	0.0022	3.7998	0	0.0186	-0.0018	0.0168
138	10.3	9.52	1	2.7974	0.0022	3.7996	0	0.0207	0	0.0207
139	10.3	9.47	1	2.7971	0.0024	3.7995	0	0.0197	0.0005	0.0202

140	9.97	9.43	1	2.7971	0.0026	3.7997	0	0.015	0.0026	0.0176
141	10.1	9.36	1	2.7967	0.0026	3.7993	0	0.0176	0.006	0.0235
142	9.61	9.29	1	2.7963	0.0025	3.7989	0	0.0162	0.0099	0.0261
143	9.5	9.26	1	2.7957	0.0024	3.7981	0	0.0154	0.0094	0.0248
144	8.86	9.21	1	2.7952	0.0024	3.7976	0	0.0186	0.009	0.0276
145	8.96	9.2	1	2.7945	0.0024	3.7969	0	0.0237	0.009	0.0327
146	8.69	9.21	1	2.7947	0.0024	3.7971	0	0.0206	0.0081	0.0287
147	8.87	9.22	1	2.7948	0.0024	3.7972	0	0.0164	0.0051	0.0215
148	8.37	9.15	1	2.7946	0.0024	3.797	0	0.0146	0.0081	0.0227
149	8.42	9.09	1	2.7942	0.0024	3.7966	0	0.012	0.0088	0.0208
150	8.26	9.07	1	2.7937	0.0024	3.7961	0	0.0148	0.008	0.0228
151	8.25	9.01	1	2.7935	0.0024	3.7959	0	0.0158	0.008	0.0238
152	8.56	8.99	1	2.7933	0.0024	3.7957	0	0.0122	0.0076	0.0198
153	8.73	8.98	1	2.7933	0.0024	3.7957	0	0.0173	0.0075	0.0247
154	9.76	9	1	2.7932	0.0024	3.7956	0	0.0215	0.007	0.0285
155	10	9.01	1	2.7933	0.0023	3.7956	0	0.0209	0.007	0.0279
156	9.64	9.04	1	2.7935	0.0023	3.7958	0	0.0215	0.0062	0.0277
157	8.93	9.06	1	2.7935	0.0023	3.7958	0	0.0197	0.0073	0.0269
158	9.12	9.11	1	2.7935	0.0023	3.7958	0	0.0234	0.009	0.0324
159	9.63	9.18	1	2.7942	0.0023	3.7965	0	0.023	0.0052	0.0282
160	9.14	9.21	1	2.7944	0.0023	3.7967	0	0.0245	0.0063	0.0308
161	9.21	9.25	1	2.7941	0.0023	3.7964	0	0.0247	0.0033	0.028
162	9.15	9.3	1	2.7938	0.0023	3.7961	0	0.0231	0.004	0.0271
163	9.27	9.31	1	2.7938	0.0023	3.7961	0	0.0206	0.0035	0.0242
164	9.23	9.27	1	2.7935	0.0023	3.7958	0	0.0206	0.0035	0.0241
165	9.24	9.22	1	2.7933	0.0023	3.7956	0	0.0219	0.004	0.0259
166	9.17	9.2	1	2.7935	0.0022	3.7958	0	0.0223	0.0033	0.0256
167	9.47	9.21	1	2.7932	0.0022	3.7954	0	0.0261	0.0043	0.0304
168	9.66	9.22	1	2.7934	0.0022	3.7956	0	0.029	0.0031	0.0321
169	8.85	9.24	1	2.7937	0.0022	3.7959	0	0.0339	0.004	0.0379
170	9.06	9.29	1	2.7942	0.0022	3.7964	0	0.0321	0.003	0.0351
171	9.4	9.31	1	2.7936	0.0022	3.7958	0	0.038	0.003	0.041
172	8.93	9.33	1	2.7938	0.0022	3.796	0	0.0463	0.003	0.0493
173	8.93	9.3	1	2.7941	0.0022	3.7963	0	0.0452	0.003	0.0482
174	9.17	9.33	1	2.7945	0.0022	3.7967	0	0.0508	0.003	0.0538
175	9.21	9.35	1	2.7949	0.0022	3.7971	0	0.0482	0.003	0.0512
176	9.14	9.4	1	2.795	0.0022	3.7972	0	0.0418	0.003	0.0448

177	9.34	9.41	1	2.795	0.0023	3.7973	0	0.044	0.003	0.047
178	9.91	9.4	1	2.7955	0.0025	3.798	0	0.0458	0.003	0.0488
179	10.1	9.45	1	2.7963	0.0025	3.7988	0	0.0483	0.0039	0.0522
180	9.61	9.47	1	2.7966	0.0025	3.7991	0	0.0483	0.004	0.0523
181	9.48	9.51	1	2.7968	0.0025	3.7993	0	0.0508	0.003	0.0538
182	8.79	9.57	1	2.7968	0.0024	3.7992	0	0.0535	0.003	0.0565
183	9.8	9.62	1	2.7967	0.0024	3.7991	0	0.0508	0.003	0.0538
184	9.7	9.65	1	2.7964	0.0025	3.7989	0	0.0498	0.003	0.0528
185	9.99	9.71	1	2.7961	0.0024	3.7985	0	0.0502	0.003	0.0532
186	9.69	9.73	1	2.7962	0.0024	3.7986	0	0.0455	0.003	0.0485
187	9.56	9.79	1	2.7959	0.0022	3.7981	0	0.0435	0.003	0.0465
188	9.69	9.79	1	2.7959	0.0022	3.798	0	0.046	0.003	0.049
189	9.49	9.76	1	2.7964	0.0019	3.7983	0	0.0409	0.0033	0.0442
190	10.1	9.77	1	2.7964	0.0016	3.798	0	0.0361	0.0051	0.0412
191	10.1	9.82	1	2.7964	0.0013	3.7977	0	0.0355	0.007	0.0425
192	9.8	9.89	1	2.7965	0.0014	3.7978	0	0.0264	0.0079	0.0343
193	9.77	9.9	1	2.796	0.0014	3.7974	0	0.0205	0.0063	0.0269
194	10.3	9.91	1	2.7953	0.0014	3.7967	0	0.0142	0.0053	0.0195
195	9.5	9.88	1	2.7956	0.0015	3.797	0	0.0074	0.0046	0.012
196	10.5	9.92	1	2.7958	0.0018	3.7976	0	0.0001	0.004	0.0041
197	10	9.96	1	2.7958	0.0015	3.7973	0	0.0005	0.0046	0.005
198	9.42	9.94	1	2.7958	0.0014	3.7972	0	0.0001	0.005	0.0051
199	9.88	9.92	1	2.7957	0.0015	3.7972	0	0.0006	0.005	0.0056
200	10.4	9.89	1	2.7956	0.0015	3.7971	0	0.0027	0.005	0.0077
201	10	9.86	1	2.7958	0.0015	3.7972	0	-0.0035	0.005	0.0015
202	10.1	9.87	1	2.7955	0.0015	3.7969	0	-0.012	0.005	-0.007
203	9.77	9.88	1	2.795	0.0015	3.7965	0	-0.0147	0.0049	-0.0098
204	9.51	9.88	1	2.7949	0.0015	3.7964	0	-0.0175	0.004	-0.0135
205	10.5	9.91	1	2.7949	0.0016	3.7965	0	-0.0204	0.004	-0.0164
206	10.2	9.88	1	2.7949	0.0015	3.7964	0	-0.0225	0.0031	-0.0194
207	9.35	9.86	1	2.7945	0.0014	3.7959	0	-0.0181	0.003	-0.0151
208	9.25	9.85	1	2.7945	0.0018	3.7963	0	-0.0145	0.003	-0.0115
209	9.46	9.8	1	2.7944	0.0017	3.7961	0	-0.0077	0.003	-0.0047
210	9.65	9.72	1	2.7944	0.002	3.7963	0	0.0078	0.003	0.0108
211	9.89	9.68	1	2.7946	0.0019	3.7965	0	0.0107	0.003	0.0137
212	10	9.63	1	2.7945	0.0019	3.7964	0	0.0152	0.003	0.0182
213	10.3	9.59	1	2.7941	0.0019	3.7961	0	0.0145	0.003	0.0175

214	9.99	9.57	1	2.7941	0.0019	3.796	0	0.0143	0.003	0.0173
215	10	9.5	1	2.7939	0.002	3.7959	0	0.008	0.003	0.011
216	9.55	9.45	1	2.7932	0.0018	3.7951	0	0.004	0.003	0.007
217	9.25	9.44	1	2.7929	0.0019	3.7948	0	0.0046	0.0022	0.0068
218	8.87	9.44	1	2.7924	0.0018	3.7942	0	-0.0015	0.002	0.0005
219	8.91	9.44	1	2.7925	0.0019	3.7944	0	-0.0027	0.002	-0.0007
220	9.35	9.42	1	2.7919	0.0019	3.7938	0	0.0002	0.002	0.0022
221	9.04	9.41	1	2.7915	0.0019	3.7934	0	0.0069	0.002	0.0089
222	9.09	9.37	1	2.7918	0.0019	3.7937	0	0.002	0.002	0.004
223	9.02	9.32	1	2.7918	0.0019	3.7937	0	0.0036	0.002	0.0056
224	9.27	9.28	1	2.7921	0.0019	3.794	0	0.0099	0.002	0.0119
225	9.28	9.24	1	2.7926	0.0019	3.7945	0	0.0139	0.002	0.0159
226	9.14	9.23	1	2.7931	0.0019	3.795	0	0.0194	0.002	0.0214
227	9.22	9.23	1	2.7931	0.0019	3.795	0	0.0254	0.0027	0.0281
228	9.4	9.25	1	2.7929	0.0018	3.7947	0	0.0219	0.0041	0.026
229	9.34	9.3	1	2.7928	0.0018	3.7946	0	0.0276	0.0046	0.0322
230	9.7	9.29	1	2.7927	0.0019	3.7946	0	0.0352	0.0056	0.0408
231	9.34	9.32	1	2.7926	0.0019	3.7945	0	0.0356	0.006	0.0416
232	9.26	9.36	1	2.7929	0.0019	3.7948	0	0.0421	0.006	0.0481
233	9.33	9.38	1	2.7929	0.0019	3.7948	0	0.0413	0.0051	0.0465
234	9.18	9.38	1	2.7928	0.0019	3.7947	0	0.043	0.005	0.048
235	9.36	9.41	1	2.7931	0.0019	3.795	0	0.0422	0.006	0.0482
236	9.24	9.45	1	2.7932	0.0019	3.7951	0	0.0414	0.005	0.0464
237	9.38	9.51	1	2.793	0.0019	3.7949	0	0.0445	0.0048	0.0493
238	9.74	9.54	1	2.7933	0.0019	3.7952	0	0.0444	0.003	0.0474
239	9.14	9.58	1	2.7935	0.0019	3.7954	0	0.0475	0.0025	0.05
240	9.66	9.56	1	2.7935	0.0019	3.7954	0	0.059	0.0004	0.0594
241	9.92	9.56	1	2.794	0.0018	3.7958	0	0.0633	-0.003	0.0604
242	9.26	9.6	1	2.7943	0.0019	3.7962	0	0.0594	-0.006	0.0534
243	9.37	9.67	1	2.7943	0.0019	3.7962	0	0.0543	-0.0054	0.0489
244	9.83	9.72	1	2.7944	0.0019	3.7964	0	0.054	-0.005	0.049
245	9.95	9.77	1	2.7944	0.002	3.7964	0	0.0415	-0.005	0.0365
246	10.3	9.81	1	2.7947	0.0019	3.7966	0	0.0473	-0.0041	0.0432
247	10.1	9.83	1	2.7948	0.0019	3.7967	0	0.047	-0.0011	0.0459
248	9.92	9.86	1	2.7945	0.0019	3.7964	0	0.0424	-0.0041	0.0383
249	9.32	9.91	1	2.794	0.0019	3.7959	0	0.0398	-0.0048	0.035
250	9.35	9.93	1	2.7941	0.0019	3.796	0	0.0376	-0.004	0.0336

251	10.1	9.91	1	2.7947	0.0019	3.7966	0	0.0325	-0.004	0.0285
252	10.6	9.94	1	2.7947	0.0019	3.7966	0	0.0332	-0.0045	0.0288
253	10.1	9.97	1	2.795	0.002	3.797	0	0.032	-0.0045	0.0275
254	10.3	9.97	1	2.7953	0.002	3.7973	0	0.024	-0.004	0.02
255	9.93	10	1	2.7955	0.002	3.7975	0	0.0203	-0.004	0.0163
256	9.89	10	1	2.7953	0.002	3.7973	0	0.0229	-0.0032	0.0197
257	10.2	10	1	2.7949	0.002	3.7969	0	0.0224	-0.0039	0.0184
258	10.1	10	1	2.7943	0.002	3.7963	0	0.0189	-0.005	0.0139
259	10.1	10.1	1	2.7935	0.002	3.7955	0	0.0177	-0.0016	0.0162
260	9.58	10.1	1	2.7933	0.002	3.7953	0	0.0166	-0.0033	0.0133
261	9.87	10.1	1	2.7925	0.002	3.7945	0	0.0137	-0.0003	0.0134
262	9.92	10	1	2.7924	0.002	3.7944	0	0.0155	-0.001	0.0145
263	9.71	10	1	2.7923	0.002	3.7943	0	0.0151	0.0002	0.0153
264	10.5	9.97	1	2.7927	0.002	3.7947	0	0.015	0.0005	0.0154
265	10.7	9.95	1	2.7929	0.002	3.7949	0	0.0178	0	0.0178
266	10.4	9.93	1	2.7931	0.002	3.7951	0	0.0119	0.0007	0.0127
267	10	9.92	1	2.7934	0.002	3.7954	0	0.0086	-0.0006	0.008
268	10.2	9.92	1	2.7937	0.002	3.7957	0	0.0016	-0.0001	0.0015
269	9.68	9.91	1	2.7937	0.002	3.7957	0	-0.0029	-0.0007	-0.0036
270	9.92	9.93	1	2.7935	0.002	3.7955	0	-0.0048	0.001	-0.0038
271	9.68	9.92	1	2.7934	0.002	3.7954	0	-0.011	0.001	-0.01
272	9.66	9.92	1	2.7934	0.002	3.7954	0	-0.0158	0.001	-0.0148
273	9.41	9.91	1	2.7931	0.002	3.7951	0	-0.0105	0.0003	-0.0102
274	9.55	9.86	1	2.7931	0.002	3.7951	0	-0.0056	0	-0.0056
275	9.51	9.83	1	2.793	0.002	3.795	0	-0.0059	0	-0.0059
276	9.92	9.81	1	2.7925	0.002	3.7944	0	0.0025	0	0.0025
277	10.1	9.8	1	2.7928	0.0019	3.7947	0	0.0108	-0.0001	0.0107
278	9.92	9.78	1	2.7928	0.002	3.7948	0	0.0119	-0.001	0.0109
279	9.93	9.77	1	2.7928	0.0019	3.7947	0	0.0137	-0.0019	0.0119
280	9.71	9.75	1	2.793	0.0019	3.7949	0	0.0144	-0.002	0.0124
281	10	9.73	1	2.7925	0.0019	3.7944	0	0.0135	-0.001	0.0125
282	9.48	9.72	1	2.7927	0.0019	3.7946	0	0.0119	-0.001	0.0109
283	9.55	9.76	1	2.7924	0.0019	3.7943	0	0.0136	-0.0004	0.0132
284	10.1	9.8	1	2.7922	0.0019	3.7941	0	0.0105	0	0.0105
285	9.97	9.83	1	2.792	0.0019	3.7939	0	0.0096	0	0.0096
286	9.89	9.83	1	2.7917	0.0019	3.7936	0	0.0089	0	0.0089
287	9.8	9.85	1	2.7914	0.0019	3.7933	0	0.0126	0	0.0126

288	9.48	9.84	1	2.7911	0.0019	3.793	0	0.0129	0	0.0129
289	9.61	9.83	1	2.7905	0.0019	3.7924	0	0.016	0	0.016
290	9.21	9.83	1	2.7901	0.0019	3.792	0	0.0187	0	0.0187
291	9.61	9.8	1	2.7905	0.0019	3.7924	0	0.0192	0	0.0192
292	10.1	9.77	1	2.791	0.0019	3.7929	0	0.0221	-0.0009	0.0212
293	10.3	9.78	1	2.7906	0.0019	3.7925	0	0.0285	0	0.0285
294	10.1	9.74	1	2.7912	0.0019	3.7931	0	0.0289	0	0.0289
295	9.99	9.7	1	2.7908	0.0019	3.7927	0	0.0293	0.0004	0.0296
296	10.4	9.66	1	2.7911	0.0019	3.793	0	0.0261	0.001	0.0271
297	9.76	9.64	1	2.7916	0.0019	3.7935	0	0.0266	0.0004	0.0271
298	9.73	9.64	1	2.7918	0.0019	3.7937	0	0.0257	0.001	0.0267
299	9.64	9.64	1	2.792	0.0019	3.7939	0	0.023	0.001	0.024
300	9.56	9.65	1	2.7923	0.0019	3.7942	0	0.0168	0.001	0.0178
301	8.91	9.65	1	2.7925	0.0019	3.7944	0	0.0147	0.001	0.0157
302	9.71	9.64	1	2.7923	0.0019	3.7942	0	0.0226	0.001	0.0236
303	9.3	9.61	1	2.7926	0.0019	3.7945	0	0.0214	0.0011	0.0225
304	9.19	9.61	1	2.7929	0.0019	3.7948	0	0.0206	0.002	0.0226
305	9.28	9.59	1	2.7926	0.0019	3.7945	0	0.019	0.002	0.021
306	9.29	9.59	1	2.7927	0.0019	3.7946	0	0.0189	0.0027	0.0217
307	9.63	9.56	1	2.7926	0.0019	3.7945	0	0.0177	0.0022	0.0199
308	9.51	9.56	1	2.7927	0.0019	3.7947	0	0.02	0.002	0.022
309	9.48	9.56	1	2.7927	0.002	3.7947	0	0.0099	0.002	0.0119
310	9.45	9.56	1	2.793	0.002	3.795	0	0.0013	0.002	0.0033
311	9.91	9.58	1	2.793	0.002	3.795	0	0.0038	0.002	0.0058
312	9.67	9.55	1	2.793	0.0019	3.7949	0	-0.0029	0.002	-0.0009
313	10.2	9.56	1	2.7926	0.0019	3.7945	0	0.0004	0.002	0.0024
314	9.55	9.6	1	2.7923	0.0019	3.7942	0	0.0009	0.002	0.0029
315	10.4	9.64	1	2.7927	0.0019	3.7946	0	0.0052	0.002	0.0072
316	9.36	9.66	1	2.7924	0.0019	3.7943	0	0.0077	0.0013	0.009
317	9.6	9.7	1	2.7928	0.0019	3.7947	0	0.0073	0.001	0.0083
318	9.66	9.72	1	2.7927	0.0019	3.7946	0	0.0159	0.001	0.0169
319	9.56	9.74	1	2.7929	0.0018	3.7947	0	0.015	0.001	0.016
320	9.38	9.74	1	2.793	0.0018	3.7948	0	0.02	0.001	0.021
321	9.12	9.73	1	2.7931	0.0018	3.7949	0	0.0167	0.001	0.0177
322	9.51	9.74	1	2.7928	0.0019	3.7947	0	0.0178	0.0012	0.019
323	9.86	9.72	1	2.7924	0.0019	3.7943	0	0.0157	0.002	0.0177
324	10	9.76	1	2.7927	0.0019	3.7946	0	0.012	0.002	0.014

325	9.69	9.75	1	2.7924	0.0019	3.7943	0	0.0117	0.0025	0.0141
326	10.4	9.78	1	2.792	0.0019	3.7939	0	0.0105	0.0024	0.0129
327	9.81	9.8	1	2.7919	0.002	3.7939	0	0.005	0.0017	0.0067
328	9.86	9.81	1	2.7915	0.002	3.7935	0	0.0076	0.0014	0.009
329	9.59	9.81	1	2.7914	0.002	3.7934	0	0.0099	0.002	0.0119
330	9.71	9.84	1	2.7913	0.002	3.7933	0	0.0084	0.0014	0.0097
331	9.8	9.86	1	2.7915	0.002	3.7935	0	0.013	0.001	0.014
332	9.88	9.85	1	2.7916	0.0019	3.7935	0	0.0113	0.001	0.0123
333	10.3	9.84	1	2.7918	0.0019	3.7937	0	0.0088	0.001	0.0098
334	10.1	9.83	1	2.7918	0.0019	3.7937	0	0.0073	0.001	0.0083
335	9.91	9.82	1	2.7922	0.0019	3.7941	0	0.0065	0.001	0.0075
336	9.96	9.8	1	2.7919	0.0019	3.7938	0	0.0052	0.001	0.0062
337	9.96	9.81	1	2.7917	0.0019	3.7936	0	0.0011	0.0015	0.0027
338	9.52	9.82	1	2.7917	0.0019	3.7936	0	-0.0033	0.002	-0.0013
339	9.86	9.86	1	2.7916	0.0019	3.7935	0	-0.0083	0.002	-0.0063
340	9.48	9.86	1	2.7916	0.0019	3.7935	0	-0.0166	0.002	-0.0146
341	9.46	9.86	1	2.7918	0.0019	3.7937	0	-0.0258	0.002	-0.0238
342	9.6	9.85	1	2.7914	0.0019	3.7933	0	-0.0234	0.003	-0.0204
343	9.84	9.83	1	2.7914	0.0019	3.7933	0	-0.0216	0.003	-0.0186
344	9.47	9.81	1	2.7915	0.0019	3.7934	0	-0.0237	0.003	-0.0207
345	9.97	9.78	1	2.7918	0.0019	3.7937	0	-0.0187	0.003	-0.0157
346	10.1	9.75	1	2.792	0.0019	3.7939	0	-0.0224	0.003	-0.0194
347	9.96	9.75	1	2.7922	0.0018	3.794	0	-0.0162	0.003	-0.0132
348	10.3	9.77	1	2.7922	0.0018	3.794	0	-0.0104	0.003	-0.0074
349	9.71	9.77	1	2.7923	0.0018	3.7941	0	-0.0048	0.003	-0.0018
350	9.87	9.77	1	2.7926	0.0018	3.7944	0	-0.0049	0.003	-0.0019
351	9.72	9.81	1	2.7924	0.0018	3.7942	0	-0.0052	0.003	-0.0022
352	9.91	9.83	1	2.7926	0.0018	3.7944	0	-0.0034	0.003	-0.0004
353	9.78	9.83	1	2.793	0.0018	3.7948	0	-0.0063	0.003	-0.0033
354	9.34	9.84	1	2.7934	0.0018	3.7952	0	-0.0038	0.003	-0.0008
355	9.32	9.83	1	2.7936	0.0017	3.7954	0	-0.0044	0.003	-0.0014
356	9.94	9.82	1	2.7935	0.0018	3.7953	0	-0.0094	0.003	-0.0064
357	9.92	9.82	1	2.7929	0.0018	3.7947	0	-0.0093	0.003	-0.0063
358	9.89	9.78	1	2.7933	0.0018	3.7951	0	-0.0057	0.003	-0.0027
359	9.56	9.76	1	2.7933	0.0018	3.7951	0	-0.0013	0.0034	0.0021
360	10.2	9.77	1	2.7929	0.0018	3.7947	0	-0.0007	0.004	0.0033
361	9.81	9.76	1	2.7928	0.0018	3.7946	0	0.0033	0.004	0.0073

362	9.94	9.74	1	2.7924	0.0018	3.7942	0	0.0059	0.004	0.0099
363	9.7	9.72	1	2.7923	0.0018	3.7941	0	0.0028	0.0033	0.0061
364	9.77	9.73	1	2.7921	0.0018	3.7939	0	0.0015	0.003	0.0045
365	9.9	9.73	1	2.7922	0.0019	3.794	0	0.0025	0.003	0.0055
366	10	9.7	1	2.7924	0.0019	3.7943	0	0.0099	0.003	0.0129
367	9.58	9.7	1	2.7918	0.0019	3.7937	0	0.0075	0.0033	0.0107
368	9.33	9.71	1	2.7922	0.0019	3.7941	0	0.0172	0.004	0.0212
369	10.1	9.75	1	2.7917	0.0019	3.7936	0	0.0257	0.0037	0.0294
370	9.43	9.74	1	2.7919	0.0019	3.7938	0	0.0325	0.003	0.0355
371	9.49	9.73	1	2.7916	0.0019	3.7935	0	0.0353	0.0024	0.0376
372	9.54	9.7	1	2.7918	0.0018	3.7936	0	0.0381	0.002	0.0401
373	9.45	9.72	1	2.7919	0.0018	3.7937	0	0.0362	0.0027	0.0389
374	9.27	9.68	1	2.7919	0.0018	3.7937	0	0.0345	0.003	0.0375
375	9.37	9.68	1	2.7919	0.0018	3.7937	0	0.0356	0.003	0.0386
376	9.99	9.64	1	2.792	0.0018	3.7938	0	0.0385	0.0031	0.0416
377	10.2	9.62	1	2.792	0.0018	3.7938	0	0.03	0.0039	0.0339
378	10.3	9.64	1	2.7918	0.0018	3.7936	0	0.0269	0.004	0.0309
379	9.94	9.6	1	2.792	0.0018	3.7938	0	0.0139	0.004	0.0179
380	9.7	9.61	1	2.7917	0.0018	3.7935	0	0.0072	0.004	0.0112
381	9.37	9.62	1	2.7914	0.0018	3.7932	0	0.0048	0.004	0.0088
382	9.94	9.68	1	2.7918	0.0018	3.7936	0	0.0039	0.004	0.0079
383	9.18	9.7	1	2.7917	0.0018	3.7935	0	0.0054	0.0034	0.0087
384	9.74	9.75	1	2.7915	0.0018	3.7933	0	0.0106	0.0038	0.0144
385	9.31	9.77	1	2.7914	0.0018	3.7932	0	0.0076	0.004	0.0116
386	9.26	9.77	1	2.7916	0.0017	3.7934	0	0.0058	0.004	0.0098
387	9.63	9.75	1	2.7918	0.0017	3.7935	0	-0.0001	0.004	0.0039
388	9.42	9.72	1	2.7919	0.0017	3.7936	0	-0.0046	0.004	-0.0006
389	9.64	9.7	1	2.7922	0.0017	3.7939	0	-0.0022	0.004	0.0018
390	9.65	9.71	1	2.7926	0.0017	3.7943	0	-0.004	0.004	0
391	10.6	9.77	1	2.7928	0.0016	3.7944	0	-0.0063	0.004	-0.0023
392	9.84	9.75	1	2.7932	0.0016	3.7948	0	-0.0051	0.004	-0.0011
393	10.2	9.81	1	2.793	0.0016	3.7946	0	-0.0047	0.004	-0.0007
394	9.73	9.8	1	2.793	0.0016	3.7946	0	-0.0042	0.004	-0.0002
395	10	9.81	1	2.7931	0.0016	3.7947	0	-0.0009	0.004	0.0031
396	9.86	9.85	1	2.7927	0.0016	3.7943	0	0.0033	0.004	0.0073
397	9.69	9.86	1	2.7926	0.0016	3.7942	0	0.0083	0.004	0.0123
398	9.59	9.92	1	2.7923	0.0016	3.7939	0	0.0127	0.003	0.0157

399	9.9	9.96	1	2.7925	0.0016	3.7941	0	0.0114	0.003	0.0144
400	10.3	9.98	1	2.7928	0.0016	3.7944	0	0.0119	0.003	0.0149
401	9.71	9.94	1	2.7928	0.0016	3.7944	0	0.0179	0.003	0.0209
402	10.2	9.93	1	2.7929	0.0016	3.7945	0	0.0201	0.003	0.0231
403	9.61	9.92	1	2.793	0.0016	3.7946	0	0.0269	0.003	0.0299
404	9.52	9.9	1	2.7933	0.0016	3.7949	0	0.0328	0.003	0.0358
405	9.93	9.88	1	2.7936	0.0016	3.7952	0	0.0376	0.002	0.0396
406	9.89	9.88	1	2.7936	0.0016	3.7952	0	0.036	0.0014	0.0374
407	10.5	9.89	1	2.7932	0.0016	3.7948	0	0.0313	0.0028	0.0342
408	10.4	9.91	1	2.7928	0.0016	3.7944	0	0.0262	0.003	0.0292
409	10	9.91	1	2.7928	0.0016	3.7944	0	0.032	0.003	0.035
410	9.98	9.89	1	2.7927	0.0016	3.7943	0	0.0328	0.003	0.0358
411	9.51	9.91	1	2.7924	0.0016	3.794	0	0.0273	0.003	0.0303
412	9.96	9.92	1	2.7927	0.0016	3.7943	0	0.0232	0.003	0.0262
413	9.52	9.93	1	2.7925	0.0016	3.7941	0	0.0182	0.003	0.0212
414	9.66	9.93	1	2.7921	0.0016	3.7937	0	0.0154	0.003	0.0184
415	9.8	9.94	1	2.7917	0.0016	3.7933	0	0.0104	0.0023	0.0127
416	9.82	9.94	1	2.7916	0.0016	3.7932	0	0.0072	0.0027	0.0098
417	9.93	9.89	1	2.791	0.0015	3.7925	0	0.0112	0.003	0.0142
418	10	9.86	1	2.7901	0.0015	3.7916	0	0.0041	0.003	0.0071
419	9.83	9.86	1	2.7897	0.0015	3.7912	0	0.0085	0.003	0.0115
420	10.2	9.85	1	2.7895	0.0016	3.791	0	0.0016	0.003	0.0046
421	10.5	9.86	1	2.7893	0.0016	3.7909	0	0.0007	0.003	0.0037
422	9.66	9.83	1	2.7892	0.0016	3.7908	0	-0.0014	0.0028	0.0014
423	9.53	9.85	1	2.7889	0.0016	3.7905	0	0.0034	0.002	0.0054
424	10.1	9.84	1	2.7891	0.0016	3.7907	0	0.0086	0.002	0.0106
425	9.84	9.82	1	2.7885	0.0016	3.7901	0	0.0094	0.0015	0.0109
426	9.7	9.78	1	2.789	0.0015	3.7905	0	0.0104	0.0016	0.012
427	9.7	9.76	1	2.7892	0.0016	3.7908	0	0.0112	0.0026	0.0138
428	9.96	9.77	1	2.7902	0.0016	3.7918	0	0.012	0.003	0.015
429	9.8	9.74	1	2.7906	0.0016	3.7922	0	0.0117	0.003	0.0147
430	9.76	9.69	1	2.7909	0.0016	3.7925	0	0.0146	0.003	0.0176
431	9.45	9.65	1	2.7911	0.0016	3.7927	0	0.0146	0.0038	0.0184
432	9.79	9.66	1	2.791	0.0016	3.7926	0	0.0079	0.0031	0.0111
433	9.54	9.66	1	2.7908	0.0015	3.7923	0	0.0081	0.003	0.0111
434	9.31	9.62	1	2.7911	0.0015	3.7926	0	0.0096	0.004	0.0136
435	9.17	9.6	1	2.7916	0.0015	3.7931	0	0.0082	0.004	0.0122

436	9.48	9.58	1	2.7919	0.0015	3.7934	0	0.0025	0.003	0.0055
437	10.2	9.59	1	2.7922	0.0015	3.7937	0	0.006	0.0025	0.0084
438	9.35	9.6	1	2.7919	0.0015	3.7934	0	0.0138	0.0023	0.0161
439	9.27	9.61	1	2.792	0.0015	3.7935	0	0.0224	0.003	0.0254
440	9.61	9.61	1	2.7922	0.0015	3.7937	0	0.0266	0.003	0.0296
441	9.99	9.61	1	2.7923	0.0015	3.7938	0	0.0319	0.003	0.0349
442	9.53	9.64	1	2.7919	0.0015	3.7934	0	0.0386	0.002	0.0407
443	9.33	9.67	1	2.7918	0.0015	3.7933	0	0.0481	0.002	0.0501
444	9.5	9.65	1	2.7916	0.0015	3.7931	0	0.0477	0.0013	0.049
445	9.36	9.69	1	2.7915	0.0015	3.793	0	0.0447	0.001	0.0457
446	9.79	9.71	1	2.7912	0.0015	3.7927	0	0.0495	0.001	0.0505
447	10.2	9.67	1	2.7909	0.0015	3.7924	0	0.0499	0.001	0.0509
448	9.87	9.69	1	2.7911	0.0015	3.7926	0	0.052	0.001	0.053
449	9.91	9.69	1	2.7911	0.0015	3.7926	0	0.0417	0.001	0.0427
450	9.36	9.71	1	2.7908	0.0015	3.7923	0	0.0427	0.001	0.0437
451	10.5	9.71	1	2.7904	0.0015	3.7919	0	0.0511	0.001	0.0521
452	10	9.72	1	2.7899	0.0015	3.7914	0	0.0495	0.001	0.0505
453	8.97	9.73	1	2.7897	0.0015	3.7912	0	0.05	0.001	0.051
454	9.93	9.73	1	2.7896	0.0016	3.7912	0	0.051	0.001	0.052
455	9.83	9.7	1	2.79	0.0016	3.7916	0	0.0508	0.001	0.0518
456	9.44	9.66	1	2.7904	0.0015	3.7919	0	0.0519	0.001	0.0529
457	9.63	9.61	1	2.7903	0.0015	3.7918	0	0.0431	0.001	0.0441
458	9.44	9.55	1	2.7901	0.0015	3.7916	0	0.0334	0.001	0.0344
459	9.84	9.52	1	2.7901	0.0015	3.7916	0	0.0326	0.001	0.0336
460	10	9.52	1	2.7902	0.0015	3.7917	0	0.0305	0.0002	0.0307
461	9.75	9.47	1	2.7905	0.0015	3.792	0	0.0277	0.0009	0.0286
462	9.56	9.44	1	2.7905	0.0015	3.792	0	0.0245	0.001	0.0255
463	9.42	9.48	1	2.7907	0.0015	3.7922	0	0.0217	0.002	0.0237
464	8.87	9.46	1	2.7911	0.0016	3.7927	0	0.0218	0.0021	0.0239
465	8.99	9.45	1	2.7914	0.0016	3.793	0	0.0146	0.003	0.0176
466	9.26	9.47	1	2.7912	0.0016	3.7928	0	0.0102	0.0032	0.0134
467	8.77	9.45	1	2.7914	0.0016	3.793	0	0.0091	0.004	0.0131
468	9.23	9.46	1	2.7913	0.0016	3.7929	0	-0.0001	0.0038	0.0036
469	9.36	9.44	1	2.7915	0.0016	3.7931	0	-0.0107	0.0032	-0.0075
470	9.56	9.44	1	2.7918	0.0016	3.7934	0	-0.0151	0.0037	-0.0114
471	9.42	9.44	1	2.7918	0.0016	3.7934	0	-0.0166	0.0036	-0.0129
472	9.74	9.46	1	2.7915	0.0016	3.7931	0	-0.017	0.004	-0.013

473	9.65	9.5	1	2.791	0.0016	3.7926	0	-0.015	0.0045	-0.0104
474	9.64	9.55	1	2.791	0.0016	3.7926	0	-0.0146	0.005	-0.0096
475	9.67	9.59	1	2.7909	0.0016	3.7925	0	-0.012	0.005	-0.007
476	9.41	9.61	1	2.7908	0.0015	3.7924	0	-0.0182	0.0049	-0.0133
477	9.5	9.67	1	2.7908	0.0015	3.7923	0	-0.0168	0.0042	-0.0126
478	9.46	9.71	1	2.7906	0.0015	3.7921	0	-0.0184	0.0057	-0.0127
479	10.2	9.73	1	2.7905	0.0015	3.792	0	-0.0147	0.0053	-0.0095
480	9.7	9.72	1	2.7903	0.0014	3.7917	0	-0.0115	0.005	-0.0065
481	9.93	9.72	1	2.7906	0.0015	3.7921	0	-0.0126	0.005	-0.0076
482	10.2	9.72	1	2.791	0.0015	3.7925	0	-0.0096	0.005	-0.0046
483	9.89	9.73	1	2.7907	0.0014	3.7921	0	-0.0116	0.005	-0.0066
484	9.62	9.73	1	2.7907	0.0014	3.7921	0	-0.0092	0.0042	-0.005
485	9.73	9.75	1	2.7912	0.0015	3.7927	0	-0.0016	0.005	0.0034
486	9.97	9.77	1	2.791	0.0015	3.7925	0	0.0092	0.005	0.0142
487	9.88	9.78	1	2.7904	0.0015	3.7919	0	0.016	0.005	0.021
488	9.68	9.81	1	2.7897	0.0014	3.7911	0	0.0233	0.005	0.0283
489	9.5	9.78	1	2.7895	0.0014	3.7909	0	0.0224	0.005	0.0274
490	9.46	9.8	1	2.7895	0.0014	3.7909	0	0.0268	0.005	0.0318
491	9.64	9.78	1	2.7889	0.0014	3.7903	0	0.0325	0.005	0.0375
492	9.79	9.76	1	2.7884	0.0014	3.7898	0	0.0337	0.005	0.0387
493	9.69	9.75	1	2.7882	0.0015	3.7897	0	0.0294	0.0057	0.0351
494	10	9.75	1	2.7886	0.0015	3.7901	0	0.0291	0.006	0.0351
495	9.79	9.72	1	2.7881	0.0015	3.7896	0	0.0286	0.006	0.0346
496	9.75	9.7	1	2.7877	0.0015	3.7892	0	0.0289	0.006	0.0349
497	10	9.69	1	2.7874	0.0015	3.7889	0	0.0276	0.006	0.0336
498	9.64	9.68	1	2.7881	0.0015	3.7896	0	0.0264	0.006	0.0324
499	9.98	9.69	1	2.7882	0.0015	3.7897	0	0.028	0.0062	0.0342
500	9.63	9.67	1	2.7877	0.0015	3.7892	0	0.0274	0.007	0.0344
501	9.79	9.66	1	2.7879	0.0015	3.7894	0	0.0279	0.007	0.0349
502	9.63	9.63	1	2.7879	0.0015	3.7894	0	0.0257	0.007	0.0327
503	9.64	9.63	1	2.7879	0.0015	3.7894	0	0.0227	0.0075	0.0301
504	9.25	9.59	1	2.7883	0.0015	3.7898	0	0.021	0.008	0.029
505	9.52	9.59	1	2.7884	0.0015	3.7899	0	0.0203	0.0085	0.0288
506	9.79	9.62	1	2.7893	0.0015	3.7908	0	0.0225	0.0084	0.0309
507	9.42	9.61	1	2.7898	0.0015	3.7913	0	0.0302	0.008	0.0382
508	9.71	9.6	1	2.7896	0.0015	3.7911	0	0.0347	0.008	0.0427
509	9.05	9.6	1	2.7897	0.0016	3.7913	0	0.0321	0.0074	0.0394

510	9.52	9.58	1	2.7899	0.0015	3.7914	0	0.0286	0.0077	0.0362
511	9.11	9.58	1	2.79	0.0015	3.7915	0	0.0311	0.008	0.0391
512	9.74	9.59	1	2.7905	0.0014	3.7919	0	0.0311	0.0072	0.0383
513	9.19	9.61	1	2.7903	0.0014	3.7917	0	0.0321	0.007	0.0391
514	9.82	9.64	1	2.7906	0.0013	3.7919	0	0.0367	0.007	0.0437
515	10.3	9.65	1	2.7907	0.0013	3.792	0	0.04	0.0077	0.0478
516	9.98	9.63	1	2.7907	0.0012	3.7919	0	0.0393	0.008	0.0473
517	9.45	9.65	1	2.791	0.0011	3.7922	0	0.0316	0.008	0.0396
518	9.98	9.64	1	2.7912	0.0012	3.7924	0	0.027	0.008	0.035
519	9.23	9.68	1	2.7912	0.0011	3.7923	0	0.0253	0.008	0.0333
520	9.69	9.67	1	2.7911	0.0012	3.7923	0	0.0247	0.008	0.0327
521	9.93	9.71	1	2.791	0.0012	3.7922	0	0.0273	0.0076	0.0348
522	9.94	9.72	1	2.7907	0.0011	3.7918	0	0.0302	0.007	0.0372
523	9.82	9.76	1	2.7904	0.0011	3.7915	0	0.0294	0.007	0.0364
524	9.65	9.79	1	2.7903	0.0011	3.7914	0	0.0226	0.007	0.0296
525	9.47	9.77	1	2.7904	0.0011	3.7915	0	0.0183	0.007	0.0253
526	9.8	9.78	1	2.7907	0.0011	3.7918	0	0.016	0.007	0.023
527	9.51	9.8	1	2.7911	0.001	3.7921	0	0.0126	0.0064	0.019
528	9.72	9.79	1	2.7916	0.0011	3.7927	0	0.0133	0.006	0.0193
529	9.48	9.82	1	2.7918	0.0011	3.7929	0	0.0097	0.006	0.0157
530	9.8	9.82	1	2.7921	0.0011	3.7932	0	0.0088	0.0052	0.014
531	9.86	9.78	1	2.792	0.0011	3.7931	0	0.0099	0.0042	0.0141
532	10.1	9.78	1	2.7922	0.0011	3.7933	0	0.0125	0.0049	0.0173
533	10.4	9.78	1	2.7917	0.0011	3.7928	0	0.0167	0.005	0.0217
534	9.83	9.81	1	2.7912	0.001	3.7922	0	0.0151	0.004	0.0192
535	10.1	9.82	1	2.7907	0.001	3.7917	0	0.0131	0.004	0.0172
536	9.9	9.8	1	2.7903	0.001	3.7913	0	0.0182	0.004	0.0222
537	9.74	9.82	1	2.7898	0.001	3.7908	0	0.0184	0.004	0.0224
538	9.91	9.82	1	2.7897	0.001	3.7907	0	0.0063	0.0037	0.01
539	9.66	9.8	1	2.7893	0.001	3.7903	0	0.0017	0.0028	0.0045
540	9.25	9.78	1	2.789	0.001	3.79	0	-0.001	0.002	0.001
541	9.77	9.76	1	2.789	0.001	3.79	0	-0.0006	0.002	0.0014
542	9.88	9.73	1	2.789	0.0009	3.7899	0	-0.0064	0.0024	-0.004
543	10.2	9.68	1	2.7889	0.0009	3.7898	0	-0.016	0.003	-0.013
544	9.65	9.65	1	2.7887	0.0009	3.7896	0	-0.0234	0.0037	-0.0198
545	9.5	9.61	1	2.7886	0.0009	3.7895	0	-0.0237	0.004	-0.0197
546	9.9	9.57	1	2.7884	0.0009	3.7893	0	-0.029	0.0046	-0.0245

547	9.65	9.54	1	2.7883	0.0009	3.7892	0	-0.0332	0.0044	-0.0288
548	9.09	9.48	1	2.7883	0.0009	3.7891	0	-0.0342	0.0046	-0.0296
549	9.34	9.45	1	2.7884	0.0008	3.7892	0	-0.0245	0.005	-0.0195
550	9.62	9.45	1	2.788	0.0008	3.7888	0	-0.0232	0.0057	-0.0175
551	9.51	9.4	1	2.7879	0.0008	3.7887	0	-0.0285	0.006	-0.0225
552	9.41	9.39	1	2.7876	0.0008	3.7884	0	-0.0274	0.0068	-0.0206
553	9.37	9.36	1	2.7876	0.0007	3.7883	0	-0.0288	0.007	-0.0218
554	9.27	9.36	1	2.7876	0.0008	3.7884	0	-0.0316	0.007	-0.0246
555	9.11	9.34	1	2.7878	0.0007	3.7885	0	-0.0264	0.007	-0.0194
556	9.07	9.33	1	2.7874	0.0007	3.7881	0	-0.0147	0.007	-0.0077
557	8.88	9.32	1	2.7868	0.0007	3.7875	0	0.0018	0.007	0.0088
558	9.1	9.35	1	2.7869	0.0008	3.7877	0	0.0134	0.007	0.0204
559	9.15	9.38	1	2.7872	0.0007	3.7879	0	0.0139	0.007	0.0209
560	8.94	9.38	1	2.7871	0.0007	3.7878	0	0.0151	0.0082	0.0233
561	9.59	9.4	1	2.7874	0.0008	3.7882	0	0.0192	0.0081	0.0273
562	9.74	9.41	1	2.7873	0.0008	3.7881	0	0.0254	0.008	0.0334
563	9.58	9.42	1	2.787	0.0008	3.7878	0	0.0336	0.007	0.0406
564	9.14	9.43	1	2.7871	0.0008	3.7879	0	0.0353	0.0069	0.0423
565	9.6	9.43	1	2.7875	0.0008	3.7883	0	0.0378	0.006	0.0438
566	9.64	9.45	1	2.7881	0.0008	3.7889	0	0.0385	0.0058	0.0443
567	9.59	9.48	1	2.7887	0.0008	3.7895	0	0.0414	0.0055	0.0469
568	9.86	9.52	1	2.7888	0.0008	3.7896	0	0.0455	0.0052	0.0507
569	9.66	9.56	1	2.7891	0.0008	3.7899	0	0.0461	0.0058	0.0518
570	9.8	9.61	1	2.7891	0.0008	3.7899	0	0.043	0.0053	0.0483
571	9.7	9.6	1	2.7888	0.0009	3.7897	0	0.0411	0.006	0.0471
572	9.48	9.6	1	2.7885	0.0009	3.7894	0	0.037	0.0062	0.0432
573	9.47	9.62	1	2.7888	0.0009	3.7897	0	0.0383	0.0065	0.0448
574	9.23	9.64	1	2.7892	0.0009	3.7901	0	0.0399	0.006	0.0459
575	9.36	9.64	1	2.7893	0.0009	3.7902	0	0.039	0.006	0.045
576	9.55	9.7	1	2.7896	0.0009	3.7905	0	0.0391	0.006	0.0451
577	9.88	9.74	1	2.7895	0.0009	3.7904	0	0.0423	0.006	0.0483
578	9.91	9.75	1	2.7896	0.0009	3.7905	0	0.0462	0.0053	0.0515
579	9.85	9.75	1	2.7896	0.001	3.7906	0	0.0528	0.0057	0.0585
580	9.4	9.76	1	2.7893	0.001	3.7903	0	0.0534	0.006	0.0594
581	9.66	9.77	1	2.7894	0.001	3.7904	0	0.0606	0.006	0.0666
582	9.9	9.79	1	2.7893	0.001	3.7903	0	0.0526	0.006	0.0586
583	9.68	9.82	1	2.7892	0.001	3.7902	0	0.054	0.006	0.06

584	9.51	9.86	1	2.7894	0.001	3.7904	0	0.0516	0.0069	0.0586
585	10.8	9.93	1	2.7894	0.0011	3.7905	0	0.056	0.006	0.062
586	10.4	9.99	1	2.7892	0.0011	3.7903	0	0.0485	0.006	0.0545
587	10.1	10	1	2.7897	0.0011	3.7908	0	0.0432	0.006	0.0492
588	9.62	10	1	2.7895	0.0011	3.7906	0	0.0408	0.006	0.0468
589	10	10.1	1	2.7896	0.0012	3.7908	0	0.0421	0.006	0.0481
590	9.89	10.1	1	2.7895	0.0012	3.7907	0	0.0407	0.0057	0.0465
591	9.83	10.1	1	2.7896	0.0012	3.7907	0	0.0376	0.005	0.0426
592	10.1	10.1	1	2.79	0.0011	3.7911	0	0.0371	0.0054	0.0425
593	10.1	10.2	1	2.7906	0.0011	3.7917	0	0.0375	0.0053	0.0428
594	10.7	10.2	1	2.7909	0.0011	3.792	0	0.038	0.005	0.043
595	10.7	10.1	1	2.791	0.001	3.7921	0	0.0329	0.005	0.0379
596	10.4	10.1	1	2.791	0.0011	3.7921	0	0.0303	0.005	0.0353
597	10.4	10.1	1	2.7908	0.001	3.7919	0	0.0269	0.005	0.0319
598	10.2	10.2	1	2.7906	0.001	3.7916	0	0.0226	0.0042	0.0268
599	10.4	10.2	1	2.7905	0.0009	3.7914	0	0.0191	0.0038	0.0229
600	10.1	10.2	1	2.7906	0.0009	3.7915	0	0.017	0.003	0.02
601	9.87	10.2	1	2.7906	0.0008	3.7914	0	0.0133	0.003	0.0163
602	10.1	10.3	1	2.7908	0.0008	3.7916	0	0.0114	0.003	0.0144
603	9.89	10.3	1	2.7911	0.0008	3.7919	0	0.0051	0.0025	0.0076
604	9.71	10.3	1	2.7909	0.0008	3.7917	0	0.0006	0.002	0.0026
605	9.76	10.2	1	2.7898	0.0008	3.7906	0	-0.002	0.0025	0.0005
606	10.4	10.2	1	2.7891	0.0008	3.7899	0	0.0006	0.0025	0.0031
607	10.5	10.2	1	2.7885	0.0008	3.7893	0	0	0.002	0.002
608	10.5	10.2	1	2.7882	0.0008	3.789	0	-0.0002	0.002	0.0018
609	10.3	10.2	1	2.7882	0.0008	3.789	0	0.0051	0.0026	0.0078
610	10.6	10.2	1	2.788	0.0007	3.7887	0	0.0088	0.0026	0.0114
611	10.3	10.2	1	2.7875	0.0007	3.7882	0	0.0062	0.003	0.0092
612	10.2	10.2	1	2.7871	0.0007	3.7878	0	0.0091	0.0038	0.0129
613	10.5	10.1	1	2.7868	0.0007	3.7875	0	0.0085	0.004	0.0125
614	10.1	10.1	1	2.7868	0.0007	3.7875	0	0.0023	0.004	0.0063
615	10.2	10.1	1	2.7868	0.0007	3.7875	0	0.0031	0.0034	0.0065
616	9.57	10.1	1	2.7866	0.0006	3.7872	0	0.0069	0.003	0.0099
617	10.5	10.1	1	2.7865	0.0006	3.7871	0	0.0145	0.003	0.0175
618	10.3	10	1	2.7866	0.0006	3.7872	0	0.019	0.0022	0.0212
619	9.98	9.96	1	2.7869	0.0006	3.7875	0	0.0155	0.002	0.0175
620	10.1	9.9	1	2.787	0.0006	3.7876	0	0.0238	0.0029	0.0267

621	9.59	9.86	1	2.7873	0.0006	3.7878	0	0.0266	0.0034	0.03
622	9.32	9.83	1	2.7869	0.0005	3.7874	0	0.0275	0.004	0.0315
623	9.62	9.84	1	2.7864	0.0005	3.7869	0	0.0314	0.004	0.0354
624	9.31	9.79	1	2.7864	0.0005	3.7869	0	0.0323	0.004	0.0363
625	9.89	9.73	1	2.7864	0.0005	3.7869	0	0.0333	0.004	0.0373
626	10.1	9.73	1	2.7864	0.0005	3.7869	0	0.0309	0.004	0.0349
627	9.53	9.7	1	2.7865	0.0005	3.787	0	0.0292	0.0044	0.0336
628	9.49	9.66	1	2.7864	0.0005	3.7869	0	0.0266	0.0046	0.0311
629	9.53	9.64	1	2.7865	0.0005	3.787	0	0.0242	0.004	0.0282
630	9.48	9.63	1	2.7861	0.0005	3.7866	0	0.0238	0.0048	0.0286
631	9.68	9.68	1	2.7868	0.0005	3.7873	0	0.0173	0.005	0.0223
632	10.6	9.71	1	2.7868	0.0005	3.7873	0	0.0168	0.0057	0.0225
633	9.25	9.74	1	2.7865	0.0004	3.7869	0	0.0194	0.006	0.0254
634	9.03	9.75	1	2.7856	0.0004	3.786	0	0.0217	0.006	0.0277
635	9.53	9.72	1	2.7858	0.0004	3.7862	0	0.0269	0.006	0.0329
636	9.98	9.7	1	2.786	0.0004	3.7864	0	0.0348	0.007	0.0417
637	9.5	9.72	1	2.7858	0.0004	3.7862	0	0.034	0.006	0.04
638	9.56	9.71	1	2.7855	0.0004	3.7859	0	0.0416	0.006	0.0476
639	10.1	9.71	1	2.7853	0.0004	3.7857	0	0.0327	0.0064	0.039
640	10.4	9.7	1	2.7852	0.0005	3.7857	0	0.0303	0.0082	0.0385
641	10.1	9.72	1	2.7852	0.0005	3.7857	0	0.0307	0.0092	0.0399
642	10.2	9.69	1	2.7852	0.0004	3.7856	0	0.0299	0.0094	0.0392
643	9.54	9.69	1	2.7851	0.0004	3.7855	0	0.0387	0.008	0.0467
644	9.27	9.7	1	2.7854	0.0004	3.7858	0	0.0433	0.008	0.0513
645	9.64	9.66	1	2.7856	0.0004	3.786	0	0.0466	0.008	0.0546
646	10	9.62	1	2.7857	0.0004	3.7861	0	0.0499	0.0074	0.0574
647	9.27	9.63	1	2.786	0.0005	3.7865	0	0.047	0.0076	0.0546
648	9.4	9.64	1	2.7864	0.0005	3.7869	0	0.0453	0.0077	0.053
649	9.46	9.62	1	2.7867	0.0005	3.7872	0	0.0395	0.008	0.0475
650	10	9.58	1	2.7867	0.0005	3.7872	0	0.0374	0.0073	0.0448
651	9.94	9.58	1	2.7867	0.0005	3.7872	0	0.0378	0.007	0.0448
652	9.38	9.55	1	2.7871	0.0005	3.7876	0	0.0389	0.0062	0.0451
653	9.13	9.57	1	2.7875	0.0005	3.788	0	0.0411	0.006	0.0471
654	8.72	9.62	1	2.7878	0.0005	3.7883	0	0.0416	0.006	0.0476
655	9.28	9.63	1	2.7877	0.0005	3.7882	0	0.0438	0.0053	0.0491
656	9.74	9.64	1	2.7874	0.0005	3.7879	0	0.0346	0.005	0.0396
657	9.69	9.67	1	2.7869	0.0005	3.7874	0	0.0262	0.005	0.0312

658	9.77	9.69	1	2.7864	0.0005	3.7869	0	0.0192	0.005	0.0242
659	9.57	9.75	1	2.7863	0.0005	3.7868	0	0.015	0.004	0.0191
660	9.97	9.73	1	2.7865	0.0004	3.7869	0	0.0154	0.0036	0.019
661	9.64	9.71	1	2.7865	0.0004	3.7869	0	0.0044	0.004	0.0084
662	9.98	9.74	1	2.7865	0.0004	3.7869	0	-0.0072	0.003	-0.0042
663	10.1	9.76	1	2.7868	0.0004	3.7872	0	-0.0072	0.003	-0.0042
664	9.91	9.83	1	2.7868	0.0005	3.7872	0	-0.0089	0.003	-0.0059
665	10.1	9.88	1	2.7868	0.0005	3.7873	0	-0.0119	0.0028	-0.0091
666	9.94	9.87	1	2.7866	0.0005	3.7871	0	-0.0121	0.002	-0.0101
667	9.78	9.87	1	2.7868	0.0006	3.7874	0	-0.0133	0.0016	-0.0117
668	10.6	9.87	1	2.7872	0.0006	3.7878	0	-0.014	0.002	-0.012
669	9.73	9.88	1	2.7867	0.0005	3.7872	0	-0.0119	0.002	-0.0099
670	9.53	9.88	1	2.7864	0.0005	3.7869	0	-0.0093	0.002	-0.0073
671	9.95	9.89	1	2.786	0.0005	3.7865	0	-0.008	0.002	-0.006
672	9.53	9.87	1	2.7854	0.0005	3.7859	0	-0.0063	0.0018	-0.0045
673	9.98	9.85	1	2.7855	0.0005	3.786	0	-0.0113	0.001	-0.0103
674	10.2	9.85	1	2.7858	0.0005	3.7863	0	-0.016	0.001	-0.015
675	9.65	9.85	1	2.7862	0.0005	3.7867	0	-0.013	0.001	-0.012
676	9.62	9.85	1	2.7867	0.0005	3.7871	0	-0.0055	0.002	-0.0035
677	9.76	9.87	1	2.7868	0.0004	3.7873	0	-0.0053	0.002	-0.0033
678	9.83	9.82	1	2.7872	0.0005	3.7877	0	-0.0022	0.002	-0.0002
679	9.95	9.83	1	2.7872	0.0005	3.7877	0	-0.0015	0.002	0.0005
680	9.79	9.83	1	2.7875	0.0005	3.788	0	0.0072	0.002	0.0092
681	9.59	9.85	1	2.7877	0.0004	3.7881	0	0.0144	0.002	0.0164
682	9.69	9.88	1	2.7874	0.0004	3.7878	0	0.0238	0.002	0.0258
683	10	9.86	1	2.787	0.0004	3.7874	0	0.0214	0.002	0.0233
684	10.1	9.87	1	2.7867	0.0004	3.7871	0	0.0223	0.001	0.0233
685	10	9.9	1	2.7859	0.0004	3.7863	0	0.0128	0.001	0.0138
686	10.1	9.91	1	2.7858	0.0005	3.7863	0	0.0103	0.001	0.0113
687	9.65	9.91	1	2.7856	0.0005	3.7861	0	0.0108	0.001	0.0118
688	9.95	9.9	1	2.7863	0.0005	3.7867	0	0.0092	0.001	0.0102
689	9.4	9.92	1	2.7866	0.0004	3.787	0	0.008	0.001	0.009
690	10.5	9.93	1	2.7865	0.0003	3.7867	0	0.0052	0.0013	0.0065
691	9.99	9.93	1	2.7866	0.0002	3.7868	0	0.0057	0.002	0.0077
692	9.56	9.94	1	2.7861	0.0003	3.7864	0	0.0047	0.0016	0.0063
693	10.4	9.94	1	2.7862	0.0003	3.7865	0	0.0059	0.001	0.0069
694	10.2	9.94	1	2.7863	0.0003	3.7866	0	0.007	0.001	0.008

695	9.78	9.91	1	2.786	0.0003	3.7863	0	0.0062	0.001	0.0072
696	9.7	9.9	1	2.7863	0.0003	3.7866	0	0.0057	0.001	0.0067
697	9.78	9.92	1	2.7863	0.0003	3.7866	0	0.007	0.0008	0.0078
698	10.2	9.94	1	2.7866	0.0002	3.7868	0	0.0103	0.0008	0.0111
699	10	9.98	1	2.7868	0.0002	3.787	0	0.0162	0.001	0.0172
700	9.67	9.93	1	2.7868	0.0002	3.787	0	0.0193	0.001	0.0203
701	9.89	9.93	1	2.7867	0.0002	3.7869	0	0.0232	0.001	0.0242
702	10.1	9.97	1	2.7867	0.0002	3.7869	0	0.028	0.001	0.029
703	9.92	9.92	1	2.7869	0.0002	3.7871	0	0.0349	0.001	0.0359
704	9.54	9.88	1	2.7865	0.0003	3.7868	0	0.0392	0.001	0.0402
705	9.82	9.88	1	2.7864	0.0003	3.7867	0	0.0417	0.001	0.0427
706	10.2	9.89	1	2.7865	0.0003	3.7868	0	0.0384	0.001	0.0394
707	10.3	9.9	1	2.7866	0.0003	3.7869	0	0.0345	0.001	0.0355
708	10.1	9.88	1	2.7867	0.0004	3.7871	0	0.0264	0.001	0.0274
709	9.51	9.86	1	2.7867	0.0004	3.7871	0	0.0226	0.001	0.0236
710	10	9.87	1	2.7875	0.0003	3.7878	0	0.0241	0.0008	0.0248
711	10.4	9.87	1	2.7882	0.0004	3.7886	0	0.0285	0	0.0285
712	9.37	9.88	1	2.7879	0.0004	3.7883	0	0.0289	-0.001	0.0279
713	9.59	9.86	1	2.7877	0.0004	3.7881	0	0.0248	-0.001	0.0238
714	9.66	9.88	1	2.788	0.0004	3.7884	0	0.027	-0.001	0.026
715	9.99	9.9	1	2.788	0.0005	3.7885	0	0.0267	-0.0004	0.0263
716	10	9.89	1	2.7879	0.0005	3.7884	0	0.0261	0	0.0261
717	9.69	9.9	1	2.7879	0.0004	3.7883	0	0.0229	0	0.0229
718	9.64	9.92	1	2.7878	0.0004	3.7882	0	0.0229	0.0008	0.0237
719	9.89	9.95	1	2.7878	0.0004	3.7882	0	0.0321	0.001	0.0331
720	9.99	9.95	1	2.7878	0.0004	3.7882	0	0.0299	0.0001	0.03
721	10.1	9.92	1	2.7879	0.0004	3.7883	0	0.0285	0	0.0285
722	9.65	9.96	1	2.788	0.0004	3.7884	0	0.0218	0.0004	0.0223
723	9.86	10	1	2.788	0.0004	3.7884	0	0.0091	0.001	0.0101
724	10.2	10	1	2.7877	0.0004	3.7881	0	0.0074	0.001	0.0084
725	10.1	10	1	2.787	0.0003	3.7873	0	0.0112	0.001	0.0122
726	10.3	10.1	1	2.787	0.0003	3.7873	0	0.0153	0.001	0.0163
727	10.4	10.1	1	2.7867	0.0003	3.787	0	0.0155	0.0006	0.0162
728	10.1	10.1	1	2.7865	0.0003	3.7868	0	0.0171	0.0004	0.0175
729	10.1	10.1	1	2.7857	0.0003	3.786	0	0.0182	0.001	0.0192
730	9.9	10.1	1	2.7846	0.0003	3.7849	0	0.0222	0.001	0.0232
731	10	10.1	1	2.7844	0.0003	3.7847	0	0.0263	0.001	0.0273

732	10.6	10.1	1	2.7847	0.0003	3.785	0	0.028	0.0012	0.0292
733	10.3	10.1	1	2.7843	0.0003	3.7846	0	0.0267	0.002	0.0286
734	10.2	10	1	2.7843	0.0003	3.7846	0	0.0206	0.0008	0.0214
735	10.1	9.96	1	2.7848	0.0003	3.7851	0	0.0206	-0.001	0.0196
736	9.63	9.91	1	2.7849	0.0003	3.7852	0	0.0147	-0.001	0.0138
737	10.2	9.86	1	2.7848	0.0003	3.7851	0	0.0121	0	0.0121
738	9.82	9.83	1	2.7847	0.0003	3.785	0	0.0102	0	0.0102
739	9.67	9.81	1	2.7848	0.0003	3.7851	0	0.0206	-0.0001	0.0205
740	10.2	9.78	1	2.7846	0.0003	3.7849	0	0.0253	-0.0012	0.0241
741	9.98	9.74	1	2.7848	0.0003	3.7851	0	0.0266	-0.0022	0.0245
742	9.58	9.69	1	2.7846	0.0003	3.7849	0	0.0325	-0.0028	0.0296
743	9.23	9.66	1	2.7844	0.0003	3.7847	0	0.0282	-0.002	0.0262
744	9.05	9.63	1	2.7848	0.0003	3.7851	0	0.0304	-0.002	0.0284
745	9.36	9.59	1	2.785	0.0003	3.7853	0	0.0309	-0.002	0.0289
746	9.51	9.6	1	2.785	0.0003	3.7853	0	0.0275	-0.002	0.0255
747	9.47	9.57	1	2.785	0.0004	3.7854	0	0.0304	-0.0028	0.0276
748	9.76	9.56	1	2.7847	0.0004	3.7851	0	0.024	-0.0033	0.0207
749	9.31	9.55	1	2.7847	0.0004	3.7851	0	0.0262	-0.0031	0.0231
750	9.26	9.53	1	2.7844	0.0004	3.7848	0	0.0276	-0.002	0.0255
751	9.66	9.52	1	2.7839	0.0004	3.7843	0	0.0199	-0.002	0.0179
752	9.64	9.51	1	2.7836	0.0004	3.784	0	0.0161	-0.002	0.0141
753	9.5	9.5	1	2.7836	0.0004	3.784	0	0.0145	-0.002	0.0125
754	9.38	9.52	1	2.7836	0.0004	3.784	0	0.013	-0.002	0.011
755	9.85	9.54	1	2.7839	0.0004	3.7843	0	0.0071	-0.0013	0.0058
756	9.61	9.55	1	2.7839	0.0004	3.7843	0	0.0052	-0.001	0.0042
757	9.67	9.62	1	2.7842	0.0004	3.7846	0	0.0028	-0.001	0.0018
758	9.49	9.64	1	2.7841	0.0004	3.7845	0	0.0003	-0.0006	-0.0003
759	9.75	9.65	1	2.7839	0.0004	3.7843	0	0.0038	0.001	0.0048
760	9.86	9.68	1	2.7836	0.0004	3.784	0	0.0055	0.001	0.0065
761	9.29	9.71	1	2.7836	0.0005	3.7841	0	0.0132	0.0006	0.0138
762	9.02	9.74	1	2.784	0.0005	3.7845	0	0.0204	0.002	0.0224
763	9.55	9.76	1	2.7841	0.0005	3.7846	0	0.021	0.002	0.023
764	9.64	9.79	1	2.7841	0.0005	3.7846	0	0.017	0.002	0.019
765	9.82	9.8	1	2.7842	0.0005	3.7847	0	0.0209	0.0022	0.0231
766	10.7	9.81	1	2.7843	0.0005	3.7848	0	0.0196	0.003	0.0226
767	10.1	9.83	1	2.7845	0.0005	3.785	0	0.016	0.0026	0.0186
768	9.63	9.83	1	2.784	0.0005	3.7845	0	0.0101	0.002	0.0121

769	9.88	9.82	1	2.7837	0.0005	3.7842	0	0.0106	0.002	0.0126
770	10.2	9.82	1	2.7836	0.0005	3.7841	0	0.0074	0.0018	0.0092
771	10.1	9.84	1	2.7838	0.0005	3.7843	0	0	0.001	0.001
772	10	9.86	1	2.7845	0.0004	3.7849	0	0.0017	0.001	0.0027
773	9.86	9.87	1	2.7848	0.0004	3.7852	0	0.0012	0.001	0.0022
774	10	9.86	1	2.7847	0.0004	3.7851	0	0.004	0.001	0.005
775	9.8	9.85	1	2.7847	0.0004	3.7851	0	-0.0003	0.0005	0.0002
776	10.1	9.78	1	2.7851	0.0004	3.7855	0	-0.0069	-0.0005	-0.0074
777	9.54	9.75	1	2.7851	0.0004	3.7855	0	-0.0035	0.0006	-0.0029
778	9.4	9.75	1	2.7854	0.0004	3.7858	0	-0.0058	0.001	-0.0048
779	9.96	9.77	1	2.785	0.0004	3.7854	0	-0.008	0.001	-0.007
780	9.75	9.77	1	2.7849	0.0004	3.7853	0	-0.0173	0.001	-0.0163
781	9.37	9.76	1	2.7849	0.0003	3.7852	0	-0.0252	0.001	-0.0242
782	9.71	9.73	1	2.7847	0.0002	3.7849	0	-0.0299	0.001	-0.0289
783	9.45	9.72	1	2.785	0.0003	3.7853	0	-0.0274	0.001	-0.0264
784	9.61	9.71	1	2.7847	0.0005	3.7852	0	-0.024	0	-0.024
785	9.32	9.73	1	2.7844	0.0005	3.7849	0	-0.0193	0	-0.0193
786	9.54	9.76	1	2.7846	0.0005	3.7851	0	-0.0099	0	-0.0099
787	9.69	9.77	1	2.7846	0.0005	3.7851	0	-0.0051	-0.0001	-0.0052
788	10.2	9.83	1	2.7842	0.0005	3.7847	0	-0.0067	-0.001	-0.0077
789	10.2	9.8	1	2.784	0.0005	3.7845	0	-0.0076	-0.001	-0.0086
790	9.88	9.79	1	2.7838	0.0005	3.7843	0	-0.0023	-0.0012	-0.0035
791	9.47	9.8	1	2.7833	0.0005	3.7838	0	0	-0.002	-0.002
792	9.58	9.81	1	2.7833	0.0005	3.7838	0	0.0015	-0.0016	-0.0002
793	9.76	9.81	1	2.7832	0.0005	3.7837	0	0.0047	0.0003	0.0051
794	10.3	9.8	1	2.7832	0.0005	3.7837	0	0.007	0.0015	0.0085
795	10.6	9.85	1	2.7833	0.0005	3.7838	0	0.0136	-0.0002	0.0134
796	9.86	9.9	1	2.7833	0.0006	3.7839	0	0.0191	-0.0017	0.0174
797	10.6	9.91	1	2.7839	0.0006	3.7845	0	0.0202	-0.0018	0.0183
798	9.42	9.87	1	2.784	0.0005	3.7845	0	0.0182	-0.001	0.0172
799	9.43	9.81	1	2.784	0.0004	3.7844	0	0.0143	-0.001	0.0133
800	9.53	9.77	1	2.7848	0.0004	3.7852	0	0.0143	-0.001	0.0133
801	9.92	9.77	1	2.7851	0.0004	3.7855	0	0.0103	-0.001	0.0093
802	9.57	9.78	1	2.7852	0.0004	3.7856	0	0.0018	-0.001	0.0008
803	9.36	9.75	1	2.7856	0.0004	3.786	0	0.0019	-0.0007	0.0012
804	10.3	9.71	1	2.7858	0.0004	3.7862	0	-0.0012	0	-0.0012
805	10.4	9.67	1	2.7859	0.0004	3.7863	0	-0.0037	0	-0.0037

806	10	9.68	1	2.7862	0.0004	3.7866	0	-0.0027	0	-0.0027
807	9.36	9.63	1	2.7866	0.0004	3.7869	0	-0.0075	0	-0.0075
808	9.04	9.66	1	2.7863	0.0003	3.7866	0	-0.0096	0	-0.0096
809	9.22	9.69	1	2.7862	0.0003	3.7865	0	-0.0126	0	-0.0126
810	9.53	9.69	1	2.7862	0.0002	3.7864	0	-0.0157	-0.0009	-0.0166
811	9.7	9.7	1	2.7861	0.0002	3.7863	0	-0.0218	0	-0.0218
812	9.23	9.72	1	2.7858	0.0002	3.786	0	-0.0207	0.0009	-0.0198
813	9.47	9.74	1	2.786	0.0002	3.7862	0	-0.013	0	-0.013
814	9.83	9.7	1	2.7859	0.0002	3.7861	0	-0.0128	0	-0.0128
815	10.1	9.67	1	2.7861	0.0002	3.7863	0	-0.0132	0.0003	-0.0129
816	9.57	9.68	1	2.7863	0.0002	3.7865	0	-0.0067	0.001	-0.0057
817	10.1	9.71	1	2.7869	0.0002	3.7871	0	-0.0036	0.001	-0.0026
818	9.94	9.75	1	2.7867	0.0002	3.7869	0	-0.0029	0.001	-0.0019
819	9.56	9.79	1	2.7871	0.0002	3.7873	0	-0.0078	0.001	-0.0068
820	10.2	9.8	1	2.7878	0.0003	3.7881	0	-0.0087	0.001	-0.0077
821	9.86	9.82	1	2.7877	0.0003	3.788	0	-0.0051	0.001	-0.0041
822	9.78	9.87	1	2.7879	0.0003	3.7882	0	-0.0046	0.0006	-0.0041
823	9.48	9.88	1	2.7876	0.0003	3.7879	0	-0.0031	0	-0.0031
824	9.85	9.89	1	2.7877	0.0003	3.7881	0	-0.0018	-0.0001	-0.0019
825	10.2	9.88	1	2.7877	0.0003	3.788	0	-0.0009	-0.001	-0.0019
826	9.94	9.94	1	2.7873	0.0002	3.7876	0	-0.0025	-0.001	-0.0035
827	9.81	9.95	1	2.7873	0.0002	3.7875	0	0.0023	-0.001	0.0013
828	10	9.97	1	2.7873	0.0002	3.7875	0	0.0051	-0.001	0.0041
829	9.66	10	1	2.7875	0.0002	3.7877	0	0.0082	-0.001	0.0072
830	10	10	1	2.7872	0.0002	3.7874	0	0.0062	-0.001	0.0052
831	10.2	10.1	1	2.7874	0.0002	3.7876	0	0.0038	-0.001	0.0028
832	9.75	10.1	1	2.7874	0.0002	3.7876	0	-0.0035	-0.0028	-0.0063
833	9.93	10.1	1	2.7867	0.0003	3.787	0	-0.0024	-0.0031	-0.0055
834	9.99	10.1	1	2.7863	0.0003	3.7866	0	0.0017	-0.0028	-0.0011
835	10.6	10.1	1	2.7858	0.0003	3.7861	0	0.0012	-0.001	0.0002
836	10.3	10.1	1	2.7854	0.0003	3.7857	0	-0.0038	-0.001	-0.0048
837	10.3	10.1	1	2.7855	0.0004	3.7859	0	-0.0019	-0.001	-0.0029
838	10.8	10.2	1	2.7854	0.0004	3.7858	0	-0.0007	-0.001	-0.0017
839	10.3	10.2	1	2.785	0.0004	3.7854	0	-0.0059	-0.001	-0.0069
840	10.3	10.2	1	2.7846	0.0005	3.7851	0	-0.0075	-0.001	-0.0085
841	10.5	10.2	1	2.7846	0.0005	3.7851	0	-0.0098	-0.0004	-0.0101
842	10.2	10.3	1	2.7841	0.0003	3.7844	0	-0.0153	0	-0.0153

843	10.1	10.3	1	2.7837	0.0002	3.7839	0	-0.0234	0	-0.0234
844	9.93	10.3	1	2.7835	0.0003	3.7838	0	-0.0242	-0.0009	-0.0251
845	9.78	10.2	1	2.7831	0.0005	3.7836	0	-0.023	-0.001	-0.024
846	10.2	10.2	1	2.783	0.0005	3.7835	0	-0.024	-0.001	-0.025
847	10.2	10.2	1	2.7832	0.0005	3.7837	0	-0.0207	-0.0002	-0.0209
848	10.3	10.2	1	2.7833	0.0005	3.7838	0	-0.0128	0	-0.0128
849	10.2	10.1	1	2.7833	0.0005	3.7838	0	-0.0071	-0.0009	-0.008
850	10.8	10.1	1	2.7833	0.0005	3.7838	0	0.0005	-0.002	-0.0015
851	10.1	10.1	1	2.7837	0.0005	3.7842	0	0.0123	-0.002	0.0103
852	10	10.1	1	2.7835	0.0005	3.7839	0	0.0205	-0.002	0.0185
853	10.2	10.1	1	2.7837	0.0004	3.7841	0	0.0224	-0.002	0.0204
854	9.91	10.1	1	2.784	0.0004	3.7844	0	0.0319	-0.002	0.0299
855	10.2	10.2	1	2.7842	0.0004	3.7846	0	0.035	-0.002	0.033
856	9.86	10.2	1	2.7847	0.0004	3.7851	0	0.0345	-0.002	0.0325
857	9.74	10.2	1	2.7852	0.0004	3.7856	0	0.0329	-0.002	0.0309
858	9.6	10.2	1	2.7854	0.0004	3.7858	0	0.0354	-0.0024	0.033
859	10.1	10.2	1	2.7855	0.0005	3.786	0	0.0367	-0.003	0.0337
860	10.8	10.2	1	2.7858	0.0004	3.7862	0	0.0376	-0.003	0.0346
861	9.93	10.2	1	2.7857	0.0004	3.7861	0	0.0414	-0.0036	0.0378
862	9.91	10.2	1	2.7853	0.0005	3.7858	0	0.0391	-0.004	0.0351
863	10.8	10.2	1	2.7854	0.0005	3.7859	0	0.0338	-0.004	0.0298
864	10.6	10.2	1	2.7854	0.0005	3.7859	0	0.036	-0.004	0.032
865	10.4	10.1	1	2.7849	0.0004	3.7853	0	0.0321	-0.004	0.0281
866	10	10.1	1	2.7847	0.0004	3.7851	0	0.0292	-0.004	0.0252
867	10	10.2	1	2.7848	0.0004	3.7852	0	0.034	-0.004	0.03
868	10.6	10.2	1	2.7848	0.0004	3.7852	0	0.0296	-0.004	0.0256
869	10.5	10.2	1	2.7846	0.0004	3.785	0	0.0254	-0.004	0.0214
870	10.4	10.1	1	2.7841	0.0004	3.7845	0	0.0302	-0.0038	0.0264
871	9.78	10.1	1	2.7843	0.0004	3.7847	0	0.0369	-0.003	0.0339
872	9.88	10.1	1	2.7848	0.0004	3.7852	0	0.0353	-0.0034	0.0318
873	9.87	10.1	1	2.785	0.0004	3.7854	0	0.0397	-0.004	0.0357
874	9.59	10.1	1	2.7848	0.0005	3.7853	0	0.0388	-0.004	0.0348
875	10.1	10	1	2.7849	0.0005	3.7854	0	0.0407	-0.0035	0.0371
876	9.95	10	1	2.7849	0.0005	3.7854	0	0.0476	-0.0035	0.0441
877	10.1	10	1	2.7846	0.0005	3.7851	0	0.047	-0.0046	0.0424
878	10.1	9.98	1	2.7846	0.0005	3.7851	0	0.0524	-0.005	0.0474
879	10.1	9.94	1	2.7844	0.0005	3.7849	0	0.0489	-0.005	0.0439

880	9.81	9.9	1	2.7845	0.0005	3.785	0	0.0467	-0.005	0.0417
881	9.88	9.92	1	2.7853	0.0006	3.7858	0	0.0359	-0.005	0.0309
882	10.3	9.94	1	2.7849	0.0005	3.7855	0	0.0373	-0.005	0.0323
883	10	9.95	1	2.7848	0.0006	3.7854	0	0.0418	-0.0054	0.0364
884	9.64	9.94	1	2.7845	0.0006	3.7851	0	0.0374	-0.005	0.0324
885	10	9.93	1	2.7848	0.0006	3.7854	0	0.0319	-0.005	0.0269
886	10	9.92	1	2.7847	0.0006	3.7853	0	0.026	-0.005	0.021
887	9.63	9.94	1	2.7846	0.0006	3.7852	0	0.026	-0.0042	0.0219
888	9.58	9.93	1	2.7848	0.0006	3.7854	0	0.0239	-0.003	0.0209
889	9.71	9.91	1	2.7848	0.0006	3.7854	0	0.0249	-0.003	0.0219
890	10.2	9.9	1	2.7848	0.0005	3.7853	0	0.0269	-0.0028	0.0241
891	10.1	9.9	1	2.7849	0.0005	3.7854	0	0.0289	-0.002	0.0269
892	10.1	9.88	1	2.7856	0.0005	3.7861	0	0.0339	-0.0024	0.0315
893	9.49	9.9	1	2.7856	0.0006	3.7862	0	0.0269	-0.004	0.0228
894	9.8	9.93	1	2.7855	0.0006	3.7861	0	0.0199	-0.0045	0.0154
895	9.77	9.94	1	2.7857	0.0006	3.7863	0	0.0155	-0.0028	0.0128
896	10.6	9.94	1	2.7854	0.0006	3.786	0	0.0119	-0.0013	0.0106
897	9.76	9.97	1	2.7852	0.0006	3.7858	0	0.006	-0.001	0.005
898	9.74	10	1	2.7847	0.0006	3.7853	0	0.0069	-0.001	0.0059
899	9.77	10	1	2.784	0.0006	3.7846	0	0.009	-0.001	0.008
900	9.85	10.1	1	2.7836	0.0006	3.7842	0	0.0126	-0.001	0.0116
901	9.77	10.1	1	2.783	0.0006	3.7836	0	0.0095	-0.001	0.0085
902	10.5	10.1	1	2.783	0.0006	3.7836	0	0.0156	-0.001	0.0146
903	10.2	10.1	1	2.7824	0.0006	3.783	0	0.0164	-0.0013	0.0151
904	10.1	10.1	1	2.7823	0.0006	3.7829	0	0.0237	-0.002	0.0217
905	10.2	10.1	1	2.7824	0.0006	3.783	0	0.0245	-0.002	0.0225
906	10.1	10.1	1	2.7829	0.0006	3.7835	0	0.0216	-0.0024	0.0192
907	10.2	10.1	1	2.783	0.0006	3.7836	0	0.0273	-0.003	0.0243
908	10.6	10.1	1	2.7826	0.0006	3.7832	0	0.0291	-0.0024	0.0267
909	10.6	10.1	1	2.7824	0.0006	3.783	0	0.0259	-0.0013	0.0246
910	10.3	10.1	1	2.7821	0.0006	3.7827	0	0.0218	-0.0009	0.0209
911	10	10.1	1	2.7822	0.0006	3.7828	0	0.023	-0.0029	0.0201
912	10	10.1	1	2.7824	0.0006	3.783	0	0.0207	-0.0029	0.0178
913	10.2	10.1	1	2.7824	0.0006	3.783	0	0.0165	-0.002	0.0145
914	10.1	10.1	1	2.7827	0.0006	3.7833	0	0.0226	-0.0018	0.0208
915	10.1	10.1	1	2.7832	0.0006	3.7838	0	0.0221	-0.0013	0.0207
916	10.1	10	1	2.7829	0.0006	3.7835	0	0.0173	-0.0023	0.0149

917	9.45	10	1	2.7839	0.0006	3.7845	0	0.0193	-0.0026	0.0167
918	9.84	9.99	1	2.7842	0.0006	3.7848	0	0.0195	-0.0025	0.017
919	9.76	9.92	1	2.7841	0.0006	3.7847	0	0.0134	-0.003	0.0104
920	9.99	9.88	1	2.7841	0.0006	3.7847	0	0.0114	-0.003	0.0084
921	10.1	9.85	1	2.7842	0.0006	3.7848	0	0.0049	-0.003	0.0019
922	9.82	9.85	1	2.7839	0.0007	3.7846	0	0.0026	-0.003	-0.0004
923	9.82	9.84	1	2.7837	0.0007	3.7844	0	0.0088	-0.003	0.0058
924	10	9.85	1	2.7837	0.0007	3.7844	0	0.0098	-0.0029	0.0069
925	9.64	9.87	1	2.7829	0.0007	3.7836	0	0.0112	-0.002	0.0092
926	9.87	9.87	1	2.7826	0.0007	3.7833	0	0.0121	-0.002	0.0101
927	9.96	9.89	1	2.782	0.0007	3.7827	0	0.0172	-0.002	0.0152
928	9.32	9.87	1	2.7824	0.0007	3.7831	0	0.0123	-0.002	0.0103
929	9.46	9.89	1	2.7828	0.0007	3.7835	0	0.014	-0.002	0.012
930	9.58	9.89	1	2.7836	0.0007	3.7843	0	0.0145	-0.002	0.0125
931	9.85	9.91	1	2.7836	0.0007	3.7843	0	0.013	-0.002	0.011
932	10.1	9.92	1	2.7832	0.0007	3.784	0	0.0185	-0.0018	0.0167
933	10.4	9.92	1	2.783	0.0008	3.7838	0	0.0177	-0.0029	0.0148
934	10.4	9.9	1	2.7831	0.0008	3.7839	0	0.0252	-0.002	0.0232
935	10.2	9.9	1	2.7832	0.0008	3.784	0	0.0243	-0.002	0.0223
936	9.85	9.92	1	2.7828	0.0007	3.7835	0	0.035	-0.002	0.033
937	9.57	9.93	1	2.7831	0.0007	3.7838	0	0.0375	-0.002	0.0355
938	10	9.96	1	2.7829	0.0007	3.7836	0	0.0365	-0.002	0.0345
939	10.1	9.96	1	2.7823	0.0007	3.783	0	0.0403	-0.002	0.0383
940	10.3	9.98	1	2.7817	0.0007	3.7824	0	0.0417	-0.002	0.0397
941	10	10	1	2.7812	0.0007	3.7819	0	0.0354	-0.0026	0.0327
942	9.86	9.99	1	2.7815	0.0007	3.7821	0	0.0354	-0.003	0.0324
943	9.69	9.95	1	2.7817	0.0006	3.7823	0	0.0438	-0.003	0.0408
944	9.63	9.93	1	2.7819	0.0006	3.7825	0	0.0417	-0.0028	0.0389
945	10.2	9.92	1	2.7819	0.0006	3.7825	0	0.0392	-0.003	0.0362
946	10.2	9.92	1	2.7824	0.0006	3.783	0	0.0407	-0.0039	0.0368
947	9.93	9.94	1	2.7825	0.0006	3.7831	0	0.0455	-0.005	0.0405
948	9.41	9.91	1	2.7824	0.0006	3.783	0	0.0444	-0.006	0.0384
949	9.9	9.9	1	2.782	0.0006	3.7826	0	0.0356	-0.006	0.0296
950	10.7	9.92	1	2.7824	0.0006	3.783	0	0.025	-0.006	0.019
951	9.58	9.94	1	2.7822	0.0006	3.7828	0	0.0197	-0.006	0.0137
952	9.61	9.95	1	2.7818	0.0006	3.7824	0	0.0149	-0.006	0.0089
953	9.91	9.98	1	2.7814	0.0006	3.782	0	0.0131	-0.006	0.0071

954	10.1	10	1	2.7815	0.0006	3.7821	0	0.0038	-0.006	-0.0022
955	9.9	10	1	2.782	0.0006	3.7826	0	-0.0011	-0.006	-0.0071
956	9.76	10	1	2.7819	0.0007	3.7826	0	-0.0018	-0.006	-0.0078
957	9.65	10	1	2.7823	0.0006	3.7829	0	0.0014	-0.006	-0.0046
958	9.84	10	1	2.7828	0.0005	3.7833	0	0.0003	-0.006	-0.0057
959	10.7	10	1	2.7833	0.0006	3.7839	0	-0.0015	-0.006	-0.0075
960	10.4	9.98	1	2.7835	0.0007	3.7842	0	-0.0027	-0.006	-0.0087
961	9.93	10	1	2.7836	0.0007	3.7843	0	-0.0027	-0.006	-0.0087
962	10.3	10	1	2.7836	0.0007	3.7843	0	0.0038	-0.006	-0.0022
963	10.3	10.1	1	2.7831	0.0007	3.7838	0	0.0111	-0.006	0.0051
964	10.2	10	1	2.7832	0.0006	3.7838	0	0.013	-0.006	0.007
965	9.87	10	1	2.7832	0.0006	3.7838	0	0.0187	-0.006	0.0127
966	9.92	10.1	1	2.7828	0.0007	3.7834	0	0.0242	-0.006	0.0182
967	9.81	10.1	1	2.7829	0.0007	3.7835	0	0.0227	-0.006	0.0167
968	9.88	10	1	2.7835	0.0007	3.7842	0	0.0364	-0.0052	0.0312
969	10	9.97	1	2.7834	0.0007	3.7841	0	0.0372	-0.005	0.0322
970	10.4	9.93	1	2.7836	0.0007	3.7843	0	0.0367	-0.005	0.0317
971	9.97	9.92	1	2.784	0.0007	3.7847	0	0.0353	-0.0049	0.0304
972	10.2	9.89	1	2.7839	0.0007	3.7846	0	0.0353	-0.0036	0.0318
973	9.65	9.86	1	2.784	0.0007	3.7847	0	0.0335	-0.003	0.0305
974	9.86	9.84	1	2.7837	0.0007	3.7844	0	0.0262	-0.0027	0.0235
975	10.1	9.86	1	2.7837	0.0007	3.7844	0	0.0246	-0.002	0.0226
976	9.64	9.83	1	2.7832	0.0007	3.7839	0	0.0183	-0.002	0.0163
977	9.54	9.84	1	2.7834	0.0007	3.7841	0	0.0194	-0.002	0.0174
978	9.47	9.87	1	2.7832	0.0007	3.7839	0	0.0136	-0.002	0.0116
979	9.56	9.86	1	2.7829	0.0007	3.7836	0	0.02	-0.002	0.018
980	9.67	9.84	1	2.7832	0.0007	3.7839	0	0.0224	-0.002	0.0204
981	9.84	9.83	1	2.7834	0.0008	3.7842	0	0.0287	-0.002	0.0267
982	9.71	9.82	1	2.7832	0.0008	3.784	0	0.0316	-0.002	0.0296
983	9.76	9.85	1	2.7823	0.0008	3.7831	0	0.0291	-0.0015	0.0276
984	10.4	9.85	1	2.7821	0.0008	3.7829	0	0.0255	0.0002	0.0258
985	9.32	9.84	1	2.7813	0.0008	3.7821	0	0.0262	0.001	0.0272
986	9.94	9.85	1	2.781	0.0008	3.7818	0	0.0269	0.001	0.0279
987	10.5	9.87	1	2.781	0.0008	3.7818	0	0.0241	0.0003	0.0243
988	9.78	9.88	1	2.7808	0.0008	3.7816	0	0.0249	0	0.0249
989	9.97	9.9	1	2.7806	0.0008	3.7814	0	0.0223	0	0.0223
990	9.87	9.91	1	2.7812	0.0008	3.782	0	0.016	-0.0008	0.0152

991	10.1	9.94	1	2.7813	0.0008	3.7821	0	0.0104	-0.001	0.0094
992	10.2	9.99	1	2.7813	0.0008	3.7821	0	0.0082	-0.001	0.0072
993	9.84	10	1	2.7814	0.0009	3.7823	0	-0.0017	-0.0023	-0.0039
994	9.96	10	1	2.7816	0.0009	3.7825	0	-0.002	-0.003	-0.005
995	9.75	10	1	2.7816	0.001	3.7826	0	0.0048	-0.003	0.0018
996	9.91	10.1	1	2.7808	0.0011	3.7819	0	0.0027	-0.0033	-0.0006
997	9.76	10	1	2.7807	0.0012	3.7819	0	0.007	-0.0036	0.0035
998	9.81	10.1	1	2.7812	0.0012	3.7824	0	0.0069	-0.003	0.0039
999	9.85	10.1	1	2.7815	0.0012	3.7827	0	-0.0003	-0.003	-0.0033
1000	10.4	10.1	1	2.7816	0.0012	3.7828	0	-0.0082	-0.003	-0.0112
1001	10.6	10.1	1	2.7816	0.0012	3.7828	0	-0.006	-0.003	-0.009
1002	10.3	10.1	1	2.7817	0.0012	3.7829	0	-0.0074	-0.003	-0.0104
1003	10.2	10.1	1	2.782	0.0012	3.7832	0	-0.0137	-0.003	-0.0167
1004	9.85	10.1	1	2.7824	0.0012	3.7836	0	-0.0183	-0.003	-0.0213
1005	10.3	10.1	1	2.7826	0.0012	3.7838	0	-0.0185	-0.003	-0.0215
1006	10.4	10.1	1	2.7828	0.0012	3.784	0	-0.0136	-0.0026	-0.0162
1007	10.3	10.1	1	2.783	0.0012	3.7842	0	-0.0131	-0.002	-0.0151
1008	10	10.2	1	2.7828	0.0012	3.784	0	-0.0116	-0.0026	-0.0142
1009	10.3	10.2	1	2.7827	0.0012	3.7839	0	-0.0048	-0.0037	-0.0085
1010	10.2	10.2	1	2.7823	0.0012	3.7835	0	0.0047	-0.0032	0.0015
1011	9.41	10.1	1	2.7819	0.0012	3.7831	0	0.0085	-0.0021	0.0064
1012	10.1	10.1	1	2.7813	0.0012	3.7825	0	0.0107	-0.002	0.0087
1013	10.5	10.1	1	2.7811	0.0012	3.7823	0	0.0098	-0.002	0.0078
1014	9.8	10.1	1	2.7808	0.0012	3.782	0	0.0069	-0.0022	0.0048
1015	9.93	10.1	1	2.7807	0.0012	3.7819	0	0.0153	-0.003	0.0123
1016	10	10.1	1	2.7806	0.0012	3.7818	0	0.0195	-0.0039	0.0156
1017	10.7	10	1	2.7803	0.0011	3.7814	0	0.0311	-0.0052	0.0259
1018	9.92	10	1	2.7805	0.0011	3.7816	0	0.0335	-0.005	0.0285
1019	10.3	10	1	2.7804	0.0011	3.7815	0	0.0403	-0.0056	0.0346
1020	9.89	10	1	2.7806	0.0011	3.7817	0	0.0431	-0.005	0.0381
1021	10.1	10.1	1	2.7807	0.001	3.7817	0	0.0453	-0.005	0.0403
1022	10.1	10	1	2.7805	0.001	3.7815	0	0.0511	-0.005	0.0461
1023	9.92	10	1	2.7811	0.001	3.7821	0	0.0529	-0.005	0.0479
1024	9.8	10	1	2.7812	0.0009	3.7821	0	0.0571	-0.0034	0.0537
1025	9.96	10	1	2.7811	0.0009	3.782	0	0.0497	-0.003	0.0467
1026	9.85	10	1	2.7807	0.0009	3.7816	0	0.0483	-0.003	0.0453
1027	9.89	10	1	2.7807	0.0009	3.7816	0	0.0404	-0.0039	0.0365

1028	10	10	1	2.7804	0.0009	3.7813	0	0.0399	-0.002	0.0379
1029	10.1	9.98	1	2.7806	0.0009	3.7815	0	0.0392	-0.0016	0.0376
1030	10.4	9.99	1	2.7807	0.0009	3.7816	0	0.0406	0	0.0406
1031	9.7	10	1	2.7805	0.0009	3.7814	0	0.0477	0	0.0477
1032	9.9	9.98	1	2.7803	0.0009	3.7812	0	0.052	0.0007	0.0527
1033	10	9.96	1	2.7804	0.0008	3.7812	0	0.0456	0.001	0.0466
1034	9.91	9.96	1	2.7805	0.0007	3.7812	0	0.0316	0.001	0.0326
1035	10.4	9.97	1	2.7805	0.0007	3.7812	0	0.029	0.001	0.03
1036	10.1	9.98	1	2.7804	0.0007	3.7811	0	0.0148	0.001	0.0158
1037	10.1	9.97	1	2.7806	0.0007	3.7813	0	0.0075	0.001	0.0085
1038	9.58	9.98	1	2.7807	0.0007	3.7814	0	0.0045	0.001	0.0055
1039	10.1	9.99	1	2.7807	0.0008	3.7815	0	0.0033	0.001	0.0043
1040	10.6	9.97	1	2.7807	0.0008	3.7815	0	-0.003	0.001	-0.002
1041	9.49	10	1	2.7804	0.0008	3.7812	0	0.0013	0.001	0.0023
1042	9.5	10	1	2.7816	0.0009	3.7825	0	0.0033	0.001	0.0043
1043	9.82	10.1	1	2.7819	0.0009	3.7828	0	0.0035	0.001	0.0045
1044	10	10.1	1	2.7814	0.0009	3.7823	0	0.0031	0.0017	0.0048
1045	10	10.1	1	2.7816	0.0009	3.7826	0	0.002	0.002	0.004
1046	9.68	10.1	1	2.7817	0.001	3.7827	0	-0.0015	0.0029	0.0014
1047	10.4	10.1	1	2.7818	0.0009	3.7827	0	-0.0112	0.0043	-0.0069
1048	10.2	10.1	1	2.7824	0.0009	3.7833	0	-0.0142	0.006	-0.0082
1049	10.1	10.1	1	2.7829	0.0009	3.7838	0	-0.0127	0.006	-0.0067
1050	10.8	10	1	2.783	0.0009	3.7839	0	-0.0098	0.0055	-0.0043
1051	10.2	10.1	1	2.7829	0.0009	3.7838	0	-0.0115	0.005	-0.0065
1052	10.2	10.1	1	2.7832	0.0009	3.7841	0	-0.0163	0.005	-0.0113
1053	10.4	10.1	1	2.7832	0.0009	3.7841	0	-0.0181	0.005	-0.0131
1054	10.1	10.2	1	2.7834	0.0009	3.7843	0	-0.0189	0.005	-0.0139
1055	10.6	10.2	1	2.7834	0.0009	3.7843	0	-0.0137	0.005	-0.0087
1056	9.88	10.2	1	2.7833	0.0009	3.7842	0	-0.0045	0.005	0.0005
1057	9.94	10.2	1	2.7834	0.0009	3.7843	0	-0.0003	0.0059	0.0056
1058	9.66	10.2	1	2.7833	0.0009	3.7842	0	0.0068	0.006	0.0128
1059	9.8	10.2	1	2.7828	0.0009	3.7837	0	0.0072	0.0051	0.0122
1060	10.2	10.1	1	2.7826	0.0009	3.7835	0	0.01	0.006	0.016
1061	10	10.1	1	2.7825	0.0009	3.7834	0	0.0098	0.006	0.0158
1062	10.2	10.1	1	2.7827	0.0009	3.7836	0	0.0015	0.0062	0.0077
1063	10.8	10.1	1	2.7824	0.0009	3.7833	0	-0.0038	0.007	0.0032
1064	9.99	10.1	1	2.7817	0.0009	3.7826	0	-0.0028	0.007	0.0042

1065	10.3	10.2	1	2.7812	0.001	3.7822	0	-0.0038	0.007	0.0032
1066	10.5	10.2	1	2.7797	0.0012	3.7808	0	-0.0056	0.007	0.0014
1067	9.79	10.2	1	2.7795	0.0012	3.7807	0	-0.0047	0.007	0.0023
1068	10.4	10.2	1	2.7794	0.0013	3.7807	0	-0.0056	0.0062	0.0006
1069	9.85	10.2	1	2.7791	0.0012	3.7803	0	-0.0033	0.006	0.0027
1070	9.79	10.2	1	2.7791	0.0012	3.7803	0	-0.003	0.006	0.003
1071	10.1	10.1	1	2.7789	0.0012	3.7801	0	-0.0015	0.0053	0.0038
1072	10.2	10.1	1	2.7786	0.0012	3.7798	0	-0.0035	0.004	0.0005
1073	10.5	10.1	1	2.7783	0.001	3.7793	0	-0.0063	0.004	-0.0023
1074	11.2	10	1	2.7787	0.001	3.7797	0	-0.0002	0.0045	0.0043
1075	9.77	10	1	2.7789	0.001	3.7799	0	0.0011	0.004	0.0051
1076	10.4	10	1	2.7791	0.0011	3.7802	0	-0.0009	0.004	0.0031
1077	9.97	10	1	2.7794	0.0009	3.7803	0	-0.0043	0.004	-0.0003
1078	10	10	1	2.7792	0.0009	3.7801	0	-0.0055	0.003	-0.0025
1079	9.62	10	1	2.7789	0.0007	3.7796	0	-0.0191	0.003	-0.0161
1080	9.42	10	1	2.7785	0.0007	3.7792	0	-0.0206	0.003	-0.0176
1081	9.65	10	1	2.7782	0.0007	3.7789	0	-0.022	0.003	-0.019
1082	9.7	9.98	1	2.7786	0.0007	3.7793	0	-0.0252	0.003	-0.0222
1083	9.67	9.93	1	2.7791	0.0007	3.7798	0	-0.0318	0.0028	-0.029
1084	10.1	9.82	1	2.7792	0.0007	3.7799	0	-0.0275	0.0018	-0.0257
1085	10.1	9.79	1	2.7798	0.0007	3.7805	0	-0.0269	0.001	-0.0259
1086	10.3	9.75	1	2.7802	0.0007	3.7809	0	-0.0217	0.001	-0.0207
1087	9.94	9.75	1	2.7805	0.0007	3.7812	0	-0.0212	0.0017	-0.0195
1088	10.1	9.76	1	2.7804	0.0007	3.7811	0	-0.0183	0.0045	-0.0139
1089	9.64	9.8	1	2.7809	0.0007	3.7816	0	-0.0125	0.006	-0.0065
1090	9.9	9.83	1	2.7811	0.0007	3.7818	0	-0.0115	0.0068	-0.0047
1091	9.51	9.84	1	2.781	0.0007	3.7817	0	-0.0127	0.007	-0.0057
1092	9.61	9.83	1	2.7809	0.0007	3.7816	0	-0.0157	0.007	-0.0087
1093	9.15	9.83	1	2.7811	0.0007	3.7818	0	-0.0051	0.0077	0.0025
1094	9.2	9.81	1	2.7814	0.0007	3.7821	0	0.0012	0.007	0.0082
1095	9.65	9.78	1	2.7817	0.0007	3.7824	0	0.001	0.007	0.008
1096	9.96	9.76	1	2.7819	0.0007	3.7826	0	0.0024	0.0073	0.0097
1097	10.2	9.78	1	2.7822	0.0006	3.7828	0	-0.0022	0.0076	0.0054
1098	10.4	9.77	1	2.7824	0.0006	3.783	0	-0.008	0.007	-0.001
1099	9.91	9.83	1	2.7824	0.0006	3.7831	0	-0.0063	0.007	0.0007
1100	9.81	9.87	1	2.7828	0.0007	3.7835	0	-0.0023	0.007	0.0047
1101	9.58	9.91	1	2.7832	0.0007	3.7839	0	-0.0041	0.007	0.0029

1102	9.56	9.93	1	2.7835	0.0007	3.7842	0	-0.0062	0.0064	0.0002
1103	9.72	9.97	1	2.7839	0.0007	3.7846	0	0.0015	0.006	0.0075
1104	9.68	10	1	2.7838	0.0007	3.7845	0	0.001	0.0045	0.0055
1105	9.92	10.1	1	2.783	0.0007	3.7837	0	0.0094	0.004	0.0134
1106	10.2	10.1	1	2.7828	0.0006	3.7834	0	0.006	0.0049	0.0109
1107	10	10.1	1	2.7823	0.0006	3.7829	0	0.0055	0.0069	0.0125
1108	10.9	10.1	1	2.7821	0.0007	3.7828	0	0.0014	0.006	0.0074
1109	10.5	10.1	1	2.7817	0.0006	3.7823	0	0.0007	0.006	0.0067
1110	10.3	10.1	1	2.7814	0.0006	3.782	0	-0.0013	0.0059	0.0046
1111	10	10.1	1	2.7817	0.0006	3.7823	0	-0.0005	0.005	0.0045
1112	9.92	10.1	1	2.7816	0.0005	3.7821	0	-0.0006	0.005	0.0044
1113	10.3	10.1	1	2.7814	0.0005	3.7819	0	0.0014	0.005	0.0064
1114	10.5	10	1	2.7812	0.0005	3.7817	0	-0.0015	0.005	0.0035
1115	10.8	10.1	1	2.7813	0.0005	3.7818	0	-0.0069	0.0046	-0.0023
1116	9.97	10.1	1	2.7811	0.0005	3.7816	0	-0.0099	0.0052	-0.0047
1117	9.85	10.1	1	2.7808	0.0005	3.7813	0	-0.0259	0.0068	-0.0191
1118	9.72	10.1	1	2.7808	0.0005	3.7813	0	-0.0254	0.0066	-0.0189
1119	9.7	10	1	2.7807	0.0005	3.7812	0	-0.0249	0.0076	-0.0172
1120	9.55	9.99	1	2.7808	0.0006	3.7813	0	-0.0211	0.007	-0.0141
1121	9.67	9.97	1	2.781	0.0006	3.7816	0	-0.0175	0.0077	-0.0098
1122	9.53	9.95	1	2.7812	0.0006	3.7818	0	-0.0239	0.008	-0.0159
1123	9.45	9.92	1	2.7811	0.0005	3.7816	0	-0.0302	0.008	-0.0222
1124	10.5	9.85	1	2.7811	0.0005	3.7816	0	-0.0412	0.0064	-0.0348
1125	10.7	9.78	1	2.7812	0.0005	3.7817	0	-0.0404	0.0069	-0.0335
1126	10.4	9.77	1	2.7811	0.0005	3.7816	0	-0.039	0.007	-0.032
1127	9.91	9.81	1	2.7812	0.0006	3.7818	0	-0.032	0.0079	-0.0241
1128	9.57	9.85	1	2.7823	0.0006	3.7829	0	-0.0242	0.006	-0.0182
1129	9.68	9.87	1	2.7826	0.0006	3.7832	0	-0.0265	0.0056	-0.0209
1130	9.66	9.91	1	2.7829	0.0006	3.7835	0	-0.0271	0.004	-0.0231
1131	9.54	9.95	1	2.783	0.0006	3.7836	0	-0.032	0.004	-0.028
1132	9.87	9.98	1	2.7835	0.0006	3.7841	0	-0.0469	0.004	-0.0429
1133	9.12	10.1	1	2.7831	0.0006	3.7837	0	-0.0377	0.004	-0.0337
1134	9.51	10.1	1	2.7832	0.0006	3.7838	0	-0.0361	0.004	-0.0321
1135	9.83	10.1	1	2.7827	0.0006	3.7833	0	-0.0348	0.004	-0.0308
1136	10.5	10.1	1	2.7825	0.0005	3.7831	0	-0.027	0.004	-0.023
1137	10.4	10.1	1	2.7825	0.0003	3.7827	0	-0.0245	0.004	-0.0205
1138	10.2	10.2	1	2.7819	0.0001	3.782	0	-0.0227	0.0035	-0.0192

1139	10.3	10.2	1	2.7819	0.0001	3.782	0	-0.0235	0.0036	-0.0199
1140	10.4	10.2	1	2.782	0.0001	3.7821	0	-0.0194	0.0035	-0.016
1141	10.1	10.3	1	2.782	0.0001	3.7821	0	-0.0175	0.003	-0.0145
1142	10.8	10.3	1	2.7821	0.0001	3.7823	0	-0.0174	0.003	-0.0144
1143	11.1	10.3	1	2.7818	0.0002	3.782	0	-0.0168	0.003	-0.0138
1144	10.8	10.4	1	2.7813	0.0002	3.7815	0	-0.009	0.003	-0.006
1145	10.6	10.4	1	2.7814	0.0002	3.7816	0	-0.0037	0.002	-0.0017
1146	10.6	10.3	1	2.7819	0.0002	3.7821	0	-0.0016	-0.0001	-0.0017
1147	10.1	10.3	1	2.7826	0.0002	3.7828	0	0.0023	-0.0013	0.001
1148	10.4	10.3	1	2.7831	0.0002	3.7833	0	0.0079	-0.002	0.0059
1149	10.4	10.4	1	2.7831	0.0002	3.7833	0	0.0112	-0.002	0.0092
1150	10.3	10.3	1	2.7834	0.0002	3.7836	0	0.0105	-0.0007	0.0098
1151	9.98	10.3	1	2.7835	0.0003	3.7838	0	0.0153	-0.0009	0.0144
1152	10.1	10.3	1	2.783	0.0003	3.7833	0	0.018	-0.0001	0.0179
1153	9.7	10.3	1	2.7831	0.0005	3.7836	0	0.0226	0	0.0226
1154	10.4	10.2	1	2.7825	0.0005	3.783	0	0.0294	0	0.0294
1155	9.78	10.2	1	2.7828	0.0004	3.7832	0	0.0298	0	0.0298
1156	10.2	10.2	1	2.7827	0.0002	3.7829	0	0.0214	0	0.0214
1157	10	10.2	1	2.7833	0.0003	3.7836	0	0.0203	-0.0009	0.0194
1158	10.9	10.3	1	2.7832	0.0003	3.7835	0	0.017	-0.001	0.016
1159	10.2	10.2	1	2.783	0.0003	3.7833	0	0.0173	-0.0001	0.0172
1160	10.2	10.2	1	2.7827	0.0004	3.7831	0	0.0098	-0.001	0.0088
1161	10.2	10.3	1	2.7826	0.0004	3.783	0	0.0026	-0.001	0.0016
1162	9.92	10.3	1	2.7825	0.0004	3.7829	0	0.0054	-0.0012	0.0043
1163	10.2	10.3	1	2.7826	0.0004	3.783	0	0.002	-0.002	0
1164	10.7	10.3	1	2.7824	0.0004	3.7828	0	-0.0031	-0.002	-0.0051
1165	10.3	10.3	1	2.7822	0.0005	3.7827	0	-0.0021	-0.002	-0.0041
1166	10.7	10.3	1	2.7822	0.0005	3.7827	0	0.0026	-0.002	0.0006
1167	10.6	10.3	1	2.782	0.0005	3.7825	0	0.0065	-0.0016	0.0049
1168	10.2	10.3	1	2.7819	0.0005	3.7824	0	0.0091	-0.001	0.0081
1169	10.3	10.3	1	2.7812	0.0005	3.7817	0	0.0122	-0.001	0.0112
1170	10.3	10.3	1	2.7808	0.0004	3.7812	0	0.0183	-0.0014	0.0169
1171	10.3	10.3	1	2.7813	0.0004	3.7817	0	0.0215	-0.0014	0.0201
1172	10.1	10.3	1	2.7816	0.0004	3.782	0	0.0242	-0.001	0.0232
1173	10.3	10.2	1	2.7824	0.0004	3.7828	0	0.0221	-0.001	0.0211
1174	10.1	10.2	1	2.7828	0.0003	3.7831	0	0.0173	-0.0018	0.0155
1175	9.89	10.2	1	2.7828	0.0003	3.7831	0	0.0178	-0.002	0.0158

1176	10.3	10.1	1	2.7823	0.0003	3.7826	0	0.0194	-0.0015	0.0179
1177	10.7	10.1	1	2.7818	0.0003	3.7821	0	0.0191	-0.001	0.0181
1178	10.3	10.1	1	2.7819	0.0003	3.7822	0	0.0239	0	0.0239
1179	9.92	10.1	1	2.7816	0.0003	3.7819	0	0.0357	0	0.0357
1180	9.94	10.1	1	2.7817	0.0003	3.782	0	0.041	0	0.041
1181	9.81	10.1	1	2.7829	0.0003	3.7832	0	0.0465	0	0.0465
1182	10.1	10.1	1	2.7824	0.0003	3.7827	0	0.0497	0	0.0497
1183	9.62	10	1	2.7827	0.0003	3.783	0	0.0534	0	0.0534
1184	9.91	10.1	1	2.7827	0.0003	3.783	0	0.0422	0.0005	0.0426
1185	9.95	10.1	1	2.7825	0.0003	3.7828	0	0.0379	0.001	0.0389
1186	9.81	10.1	1	2.7827	0.0003	3.783	0	0.03	0.001	0.031
1187	9.8	10.1	1	2.7828	0.0004	3.7832	0	0.0232	0.0003	0.0235
1188	10	10.1	1	2.7828	0.0003	3.7831	0	0.0245	-0.0025	0.022
1189	10.3	10.1	1	2.7829	0.0004	3.7832	0	0.022	-0.004	0.018
1190	10.3	10.1	1	2.7828	0.0004	3.7832	0	0.0226	-0.004	0.0186
1191	10.2	10.1	1	2.7827	0.0004	3.7831	0	0.0236	-0.004	0.0196
1192	10.1	10.2	1	2.7826	0.0004	3.783	0	0.0278	-0.004	0.0238
1193	10.2	10.2	1	2.782	0.0004	3.7824	0	0.0296	-0.0037	0.026
1194	10.3	10.2	1	2.7818	0.0005	3.7823	0	0.0242	-0.003	0.0212
1195	10.2	10.2	1	2.7819	0.0007	3.7826	0	0.017	-0.0045	0.0124
1196	10.3	10.2	1	2.7817	0.0008	3.7825	0	0.0161	-0.005	0.0111
1197	10.3	10.2	1	2.7814	0.0008	3.7822	0	0.0185	-0.0033	0.0153
1198	10.1	10.2	1	2.7813	0.0008	3.7821	0	0.0286	-0.0057	0.0229
1199	10.8	10.2	1	2.7814	0.0007	3.7821	0	0.0345	-0.0051	0.0295
1200	10.1	10.2	1	2.7812	0.0008	3.782	0	0.0398	-0.005	0.0348
1201	10.6	10.2	1	2.7814	0.0007	3.7821	0	0.0421	-0.005	0.0371
1202	10	10.2	1	2.7812	0.0007	3.7819	0	0.043	-0.0048	0.0382
1203	10.5	10.2	1	2.781	0.0007	3.7817	0	0.0455	-0.0091	0.0364
1204	9.86	10.2	1	2.7808	0.0007	3.7815	0	0.0492	-0.0086	0.0405
1205	9.72	10.2	1	2.7809	0.0007	3.7816	0	0.0434	-0.009	0.0344
1206	9.57	10.2	1	2.7808	0.0007	3.7815	0	0.0459	-0.0099	0.0359
1207	10.1	10.2	1	2.7806	0.0007	3.7813	0	0.0437	-0.0119	0.0318
1208	10.5	10.2	1	2.7804	0.0007	3.7811	0	0.0449	-0.011	0.0339
1209	10.3	10.2	1	2.7807	0.0007	3.7814	0	0.0469	-0.011	0.0359
1210	10.1	10.1	1	2.7811	0.0007	3.7818	0	0.0456	-0.0109	0.0347
1211	10.3	10.1	1	2.7812	0.0007	3.7819	0	0.0396	-0.01	0.0296
1212	10.4	10.1	1	2.7814	0.0007	3.7821	0	0.0351	-0.01	0.0251

1213	9.93	10.1	1	2.7817	0.0007	3.7824	0	0.0322	-0.0096	0.0227
1214	9.85	10.2	1	2.7814	0.0007	3.7821	0	0.0342	-0.009	0.0252
1215	9.82	10.2	1	2.781	0.0007	3.7817	0	0.0371	-0.0086	0.0285
1216	10.4	10.3	1	2.7805	0.0007	3.7811	0	0.0386	-0.0074	0.0311
1217	10.8	10.3	1	2.7799	0.0006	3.7805	0	0.0431	-0.007	0.0361
1218	10.2	10.3	1	2.7796	0.0006	3.7802	0	0.0403	-0.0045	0.0358
1219	9.93	10.2	1	2.7789	0.0006	3.7795	0	0.0315	-0.0024	0.0292
1220	10.4	10.2	1	2.7786	0.0007	3.7793	0	0.0184	-0.0014	0.017
1221	10.2	10.2	1	2.7786	0.0007	3.7793	0	0.0126	-0.001	0.0116
1222	10.3	10.1	1	2.779	0.0007	3.7797	0	0.0193	-0.0016	0.0176
1223	10.6	10.1	1	2.7794	0.0007	3.7801	0	0.0194	-0.0027	0.0167
1224	10.6	10.1	1	2.7793	0.0007	3.78	0	0.0236	-0.003	0.0206
1225	10.3	10.1	1	2.7793	0.0006	3.7799	0	0.0319	-0.0039	0.028
1226	10.4	10.1	1	2.7792	0.0006	3.7798	0	0.0363	-0.004	0.0323
1227	10.6	10.1	1	2.7788	0.0006	3.7794	0	0.0364	-0.004	0.0324
1228	9.77	10	1	2.7788	0.0006	3.7794	0	0.0329	-0.004	0.0289
1229	9.62	10	1	2.7785	0.0006	3.7791	0	0.0383	-0.0031	0.0352
1230	9.67	10	1	2.7782	0.0006	3.7788	0	0.0415	-0.003	0.0385
1231	9.35	10	1	2.778	0.0006	3.7786	0	0.0398	-0.003	0.0368
1232	9.47	9.99	1	2.7782	0.0006	3.7788	0	0.0491	-0.0049	0.0442
1233	9.78	9.96	1	2.7789	0.0006	3.7795	0	0.0428	-0.006	0.0367
1234	10	9.91	1	2.7794	0.0005	3.7799	0	0.0444	-0.007	0.0374
1235	10.1	9.89	1	2.7797	0.0005	3.7802	0	0.0448	-0.0073	0.0374
1236	9.98	9.87	1	2.7802	0.0005	3.7807	0	0.0431	-0.0092	0.0339
1237	9.89	9.9	1	2.78	0.0005	3.7805	0	0.0441	-0.0103	0.0338
1238	9.93	9.94	1	2.7797	0.0005	3.7802	0	0.0434	-0.0105	0.033
1239	10.3	10	1	2.7796	0.0005	3.7801	0	0.0439	-0.011	0.0329
1240	9.87	10	1	2.7796	0.0005	3.7801	0	0.0479	-0.011	0.0369
1241	9.65	10.1	1	2.7792	0.0005	3.7797	0	0.0476	-0.01	0.0376
1242	10.1	10.1	1	2.7792	0.0005	3.7797	0	0.044	-0.01	0.034
1243	9.56	10.1	1	2.7794	0.0005	3.7799	0	0.0417	-0.0094	0.0323
1244	9.77	10.1	1	2.7796	0.0007	3.7803	0	0.0337	-0.009	0.0247
1245	10.1	10.1	1	2.7798	0.0007	3.7805	0	0.0324	-0.0073	0.0251
1246	11.2	10.2	1	2.7801	0.0005	3.7806	0	0.0351	-0.0049	0.0302
1247	10.6	10.2	1	2.7797	0.0008	3.7805	0	0.0352	-0.0033	0.0319
1248	11.1	10.2	1	2.7796	0.0007	3.7803	0	0.0327	-0.0022	0.0304
1249	10.2	10.2	1	2.7791	0.0007	3.7798	0	0.032	-0.002	0.03

1250	10.7	10.2	1	2.7792	0.0007	3.7799	0	0.0359	-0.0028	0.0331
1251	9.63	10.2	1	2.7792	0.0007	3.78	0	0.0322	-0.0014	0.0309
1252	10.1	10.2	1	2.7785	0.0012	3.7797	0	0.0336	-0.0011	0.0325
1253	9.77	10.3	1	2.7782	0.0013	3.7795	0	0.0321	-0.001	0.0311
1254	10.3	10.3	1	2.7781	0.0014	3.7795	0	0.0308	-0.001	0.0298
1255	10.3	10.3	1	2.7782	0.0014	3.7796	0	0.0282	-0.0001	0.0281
1256	9.84	10.2	1	2.7783	0.0014	3.7797	0	0.0307	-0.0009	0.0298
1257	10	10.2	1	2.7788	0.0014	3.7802	0	0.0358	-0.001	0.0348
1258	10.3	10.1	1	2.7785	0.0014	3.7799	0	0.038	0	0.038
1259	10.7	10	1	2.7784	0.0014	3.7798	0	0.0346	-0.0001	0.0345
1260	10.3	9.97	1	2.7787	0.0014	3.7801	0	0.0385	-0.0009	0.0376
1261	10.2	9.98	1	2.7791	0.0014	3.7805	0	0.0403	0.0002	0.0405
1262	10.2	9.98	1	2.7793	0.0014	3.7807	0	0.0356	0.001	0.0366
1263	10.1	9.99	1	2.7792	0.0013	3.7805	0	0.0318	0.0013	0.0331
1264	10	9.97	1	2.7787	0.0013	3.78	0	0.0297	0.0027	0.0324
1265	9.79	9.95	1	2.7783	0.0012	3.7796	0	0.022	0.0036	0.0255
1266	9.4	9.97	1	2.7779	0.0012	3.7791	0	0.0127	0.003	0.0157
1267	9.7	9.96	1	2.778	0.0009	3.779	0	0.0005	0.0026	0.0031
1268	9.54	9.93	1	2.7788	0.0007	3.7795	0	-0.0119	0.002	-0.0099
1269	9.2	9.9	1	2.7794	0.0006	3.78	0	-0.0232	0.002	-0.0212
1270	9.79	9.89	1	2.7795	0.0005	3.7801	0	-0.0304	0.0024	-0.0279
1271	10.1	9.9	1	2.7794	0.0006	3.7799	0	-0.0287	0.003	-0.0257
1272	10	9.88	1	2.7797	0.0007	3.7804	0	-0.0271	0.0023	-0.0248
1273	9.87	9.84	1	2.78	0.0007	3.7807	0	-0.0185	0.002	-0.0165
1274	9.99	9.85	1	2.7796	0.0007	3.7803	0	-0.0092	0.002	-0.0072
1275	10.2	9.89	1	2.7792	0.0007	3.7799	0	-0.0003	0.002	0.0017
1276	9.82	9.97	1	2.7787	0.0007	3.7794	0	0.0015	0.0015	0.003
1277	9.8	9.99	1	2.7785	0.0007	3.7792	0	0.0018	0.001	0.0028
1278	10.1	10	1	2.7781	0.0006	3.7787	0	-0.0016	0.001	-0.0006
1279	10.2	10.1	1	2.7774	0.0006	3.778	0	-0.0082	0.001	-0.0072
1280	10.3	10.1	1	2.7777	0.0006	3.7783	0	-0.0089	0.001	-0.0079
1281	9.95	10.1	1	2.778	0.0008	3.7788	0	-0.0184	0.001	-0.0174
1282	9.28	10	1	2.7781	0.0009	3.779	0	-0.0236	0.001	-0.0226
1283	10.1	10.1	1	2.7783	0.001	3.7793	0	-0.0224	0.001	-0.0214
1284	10.6	10.1	1	2.7782	0.001	3.7792	0	-0.0167	0.0005	-0.0162
1285	10.9	10.1	1	2.7782	0.0012	3.7794	0	-0.0118	0	-0.0118
1286	10.1	10.1	1	2.7783	0.0013	3.7796	0	-0.0035	0	-0.0035

1287	10.2	10.1	1	2.7785	0.0014	3.7799	0	0.0022	0	0.0022
1288	10.2	10.1	1	2.7784	0.0014	3.7798	0	0.0039	0	0.0039
1289	9.92	10.1	1	2.7781	0.0015	3.7795	0	0.0003	0	0.0003
1290	9.72	10.1	1	2.7781	0.0014	3.7795	0	-0.0014	-0.0002	-0.0015
1291	9.58	10.2	1	2.7783	0.0014	3.7797	0	0.0095	-0.001	0.0085
1292	10.2	10.2	1	2.7784	0.0013	3.7798	0	0.0106	-0.001	0.0096
1293	10.2	10.2	1	2.7787	0.0013	3.78	0	0.0099	-0.001	0.0089
1294	9.91	10.2	1	2.7785	0.0012	3.7797	0	0.0168	-0.001	0.0158
1295	9.83	10.1	1	2.7784	0.0012	3.7796	0	0.0198	0.0005	0.0203
1296	10.6	10.1	1	2.7782	0.0011	3.7793	0	0.0147	0.001	0.0157
1297	10.2	10.1	1	2.7781	0.001	3.7791	0	0.0152	-0.0003	0.0149
1298	10.8	10.1	1	2.7781	0.001	3.7791	0	0.0103	0.0022	0.0126
1299	10.6	10.1	1	2.7778	0.001	3.7788	0	0.0121	0.0011	0.0131
1300	10	10.2	1	2.778	0.0009	3.7789	0	0.0101	0.001	0.0111
1301	10.1	10.2	1	2.778	0.0008	3.7788	0	0.0103	0.0003	0.0107
1302	10.3	10.2	1	2.778	0.0008	3.7788	0	0.0149	0.0026	0.0174
1303	10	10.2	1	2.7779	0.0008	3.7787	0	0.004	0.0089	0.0129
1304	10.1	10.3	1	2.778	0.0007	3.7787	0	0.0042	0.0119	0.0161
1305	9.91	10.3	1	2.7778	0.0008	3.7786	0	0.0042	0.0149	0.0191
1306	9.97	10.3	1	2.7772	0.0008	3.778	0	0.0086	0.014	0.0227
1307	10.4	10.3	1	2.7768	0.0007	3.7775	0	0.0102	0.014	0.0242
1308	10.2	10.2	1	2.7769	0.0007	3.7776	0	0.0117	0.014	0.0257
1309	10.7	10.2	1	2.7768	0.0008	3.7776	0	0.0008	0.014	0.0148
1310	9.96	10.2	1	2.7771	0.0007	3.7778	0	0.0074	0.014	0.0214
1311	10.2	10.2	1	2.7776	0.0006	3.7782	0	0.0131	0.014	0.0271
1312	10.4	10.2	1	2.7783	0.0006	3.7788	0	0.0184	0.014	0.0324
1313	11	10.3	1	2.7787	0.0004	3.7791	0	0.017	0.0139	0.0309
1314	10.3	10.3	1	2.7792	0.0003	3.7796	0	0.0147	0.0136	0.0283
1315	9.91	10.3	1	2.7798	0.0004	3.7802	0	0.0088	0.013	0.0218
1316	9.95	10.4	1	2.7804	0.0004	3.7808	0	0.0025	0.0129	0.0154
1317	10.1	10.4	1	2.7811	0.0004	3.7815	0	-0.0066	0.013	0.0064
1318	10.2	10.4	1	2.7819	0.0004	3.7823	0	-0.0084	0.0105	0.0021
1319	10.4	10.4	1	2.7819	0.0004	3.7823	0	-0.0026	0.0084	0.0058
1320	10.4	10.5	1	2.7815	0.0004	3.7819	0	0.0024	0.0074	0.0098
1321	10.5	10.5	1	2.7813	0.0005	3.7818	0	0.0047	0.0064	0.0111
1322	10.2	10.5	1	2.7808	0.0005	3.7813	0	0.0037	0.0066	0.0104
1323	10.9	10.5	1	2.7803	0.0005	3.7808	0	0.0035	0.007	0.0105

1324	10.6	10.4	1	2.7793	0.0005	3.7798	0	0.0047	0.007	0.0117
1325	10.7	10.4	1	2.7791	0.0005	3.7796	0	-0.0009	0.0077	0.0068
1326	10.7	10.5	1	2.779	0.0005	3.7795	0	-0.0123	0.008	-0.0043
1327	10.8	10.5	1	2.779	0.0005	3.7795	0	-0.0208	0.008	-0.0128
1328	11	10.5	1	2.7796	0.0005	3.7801	0	-0.0265	0.0071	-0.0194
1329	10.6	10.5	1	2.7794	0.0005	3.7799	0	-0.0334	0.0061	-0.0273
1330	10.1	10.5	1	2.7801	0.0005	3.7806	0	-0.0434	0.006	-0.0374
1331	10.3	10.5	1	2.7804	0.0005	3.7809	0	-0.0391	0.006	-0.0331
1332	11.1	10.5	1	2.7804	0.0005	3.7809	0	-0.0367	0.0079	-0.0288
1333	9.73	10.5	1	2.7806	0.0005	3.7811	0	-0.0415	0.0092	-0.0323
1334	10.1	10.5	1	2.7805	0.0005	3.781	0	-0.0331	0.0107	-0.0223
1335	10.3	10.5	1	2.78	0.0005	3.7805	0	-0.0307	0.0103	-0.0204
1336	10.6	10.5	1	2.78	0.0005	3.7805	0	-0.0289	0.0122	-0.0167
1337	10.4	10.5	1	2.7796	0.0005	3.7801	0	-0.0245	0.0129	-0.0116
1338	10.7	10.5	1	2.7797	0.0005	3.7802	0	-0.0162	0.0122	-0.0041
1339	10.8	10.6	1	2.7797	0.0005	3.7802	0	-0.0119	0.0114	-0.0005
1340	10.2	10.6	1	2.7787	0.0006	3.7793	0	-0.0143	0.0115	-0.0027
1341	10.6	10.6	1	2.7781	0.0006	3.7787	0	-0.0138	0.011	-0.0028
1342	10.9	10.6	1	2.7782	0.0006	3.7788	0	-0.0113	0.011	-0.0003
1343	10.7	10.6	1	2.7777	0.0006	3.7783	0	-0.0118	0.0104	-0.0014
1344	10.3	10.6	1	2.7776	0.0006	3.7782	0	-0.0112	0.01	-0.0012
1345	10.9	10.6	1	2.7783	0.0006	3.7789	0	-0.0113	0.0094	-0.002
1346	11.1	10.6	1	2.7785	0.0006	3.7791	0	-0.0094	0.009	-0.0004
1347	11.1	10.6	1	2.7787	0.0006	3.7793	0	-0.0103	0.0083	-0.002
1348	10.7	10.5	1	2.7784	0.0006	3.779	0	-0.012	0.0063	-0.0057
1349	10.4	10.5	1	2.7781	0.0006	3.7787	0	-0.0079	0.0061	-0.0018
1350	10.6	10.5	1	2.7782	0.0007	3.7788	0	-0.0074	0.0082	0.0007
1351	10.6	10.6	1	2.7778	0.0005	3.7782	0	-0.009	0.0092	0.0003
1352	9.82	10.5	1	2.7781	0.0003	3.7784	0	-0.0089	0.0082	-0.0007
1353	10.3	10.5	1	2.7778	0.0001	3.7779	0	-0.0122	0.008	-0.0042
1354	10.5	10.5	1	2.7777	-0.0001	3.7776	0	-0.0238	0.008	-0.0158
1355	10.3	10.4	1	2.7773	0	3.7773	0	-0.0254	0.0069	-0.0186
1356	11	10.4	1	2.7773	0	3.7773	0	-0.0336	0.0069	-0.0266
1357	9.61	10.3	1	2.7776	0	3.7776	0	-0.039	0.007	-0.032
1358	10.3	10.3	1	2.7784	0	3.7784	0	-0.0436	0.0063	-0.0373
1359	10.7	10.3	1	2.7777	0	3.7777	0	-0.0452	0.0071	-0.0381
1360	10.9	10.3	1	2.7774	0	3.7774	0	-0.0486	0.0079	-0.0407

1361	10.2	10.3	1	2.7772	0	3.7772	0	-0.0429	0.0068	-0.0361
1362	9.77	10.3	1	2.7776	0	3.7776	0	-0.0325	0.006	-0.0265
1363	10.1	10.3	1	2.7777	-0.0001	3.7776	0	-0.0227	0.0041	-0.0186
1364	10.3	10.3	1	2.7778	0	3.7778	0	-0.0173	0.0007	-0.0166
1365	10.2	10.3	1	2.7781	0	3.778	0	-0.0139	0.0001	-0.0138
1366	10.4	10.2	1	2.7786	-0.0001	3.7785	0	-0.0086	0.0024	-0.0062
1367	10.3	10.3	1	2.7789	-0.0001	3.7788	0	-0.0004	0.003	0.0026
1368	10.1	10.3	1	2.779	-0.0001	3.7789	0	0.014	0.0022	0.0161
1369	10.3	10.2	1	2.7792	-0.0001	3.7791	0	0.0265	0.0011	0.0276
1370	10.1	10.2	1	2.7791	-0.0001	3.779	0	0.0324	-0.0044	0.0281
1371	10.2	10.2	1	2.779	-0.0001	3.7789	0	0.0371	-0.0078	0.0294
1372	10.3	10.2	1	2.7794	0	3.7793	0	0.0342	-0.0073	0.0268
1373	10	10.2	1	2.7796	0	3.7796	0	0.0331	-0.009	0.0241
1374	10	10.2	1	2.7797	-0.0001	3.7796	0	0.0312	-0.008	0.0232
1375	10.5	10.2	1	2.7804	-0.0001	3.7803	0	0.0256	-0.007	0.0186
1376	9.98	10.2	1	2.7808	-0.0001	3.7807	0	0.0233	-0.0069	0.0165
1377	10.5	10.2	1	2.7812	0	3.7812	0	0.0178	-0.0062	0.0116
1378	9.79	10.3	1	2.7814	0	3.7814	0	0.0158	-0.007	0.0088
1379	9.72	10.3	1	2.7818	0	3.7818	0	0.0213	-0.0068	0.0145
1380	10.5	10.3	1	2.7816	0	3.7816	0	0.0224	-0.0057	0.0166
1381	10.2	10.3	1	2.7817	0	3.7817	0	0.0318	-0.0047	0.0271
1382	9.94	10.3	1	2.7823	0	3.7822	0	0.032	-0.004	0.028
1383	10.1	10.4	1	2.7816	-0.0001	3.7815	0	0.032	-0.0036	0.0284
1384	10.1	10.4	1	2.7813	0	3.7813	0	0.0357	-0.003	0.0327
1385	10.8	10.4	1	2.7811	0	3.7811	0	0.0431	-0.003	0.0401
1386	10.8	10.4	1	2.7807	0	3.7808	0	0.0435	-0.0025	0.041
1387	10.9	10.4	1	2.7801	0.0002	3.7803	0	0.0457	-0.0026	0.0431
1388	10.8	10.4	1	2.7796	0.0003	3.7799	0	0.0454	-0.003	0.0424
1389	10.5	10.5	1	2.7795	0.0003	3.7798	0	0.0418	-0.003	0.0388
1390	10.4	10.4	1	2.7795	0.0003	3.7798	0	0.0407	-0.0028	0.0379
1391	10.6	10.4	1	2.7795	0.0003	3.7798	0	0.0291	-0.0028	0.0263
1392	10.8	10.4	1	2.7796	0.0003	3.7799	0	0.0217	-0.003	0.0187
1393	10.8	10.5	1	2.7798	0.0003	3.7801	0	0.0209	-0.003	0.0179
1394	10.6	10.5	1	2.7796	0.0003	3.7799	0	0.013	-0.002	0.011
1395	10	10.4	1	2.7793	0.0003	3.7796	0	0.0074	-0.002	0.0054
1396	10	10.4	1	2.7792	0.0003	3.7795	0	0.0121	-0.002	0.0101
1397	10.6	10.4	1	2.7793	0.0004	3.7797	0	0.0196	-0.0034	0.0162

1398	10.3	10.4	1	2.7789	0.0004	3.7793	0	0.0239	-0.0024	0.0215
1399	10.3	10.4	1	2.7785	0.0002	3.7787	0	0.0197	-0.001	0.0187
1400	10	10.4	1	2.7789	0	3.7789	0	0.0148	-0.0004	0.0144
1401	10.1	10.3	1	2.7789	0	3.7789	0	0.0145	0.0027	0.0171
1402	10.7	10.3	1	2.7792	0	3.7792	0	0.0079	0.0005	0.0084
1403	10	10.2	1	2.7803	0	3.7803	0	0.0074	-0.0021	0.0053
1404	10.1	10.2	1	2.7805	0	3.7806	0	0.006	-0.0044	0.0016
1405	10.5	10.2	1	2.7812	0.0001	3.7813	0	0.0032	-0.0056	-0.0024
1406	10.2	10.3	1	2.7811	0.0001	3.7812	0	-0.0075	-0.004	-0.0116
1407	10.5	10.2	1	2.7812	0.0001	3.7812	0	-0.0111	-0.004	-0.0151
1408	10.7	10.2	1	2.7814	0	3.7814	0	-0.0135	-0.004	-0.0175
1409	10.3	10.2	1	2.7817	0	3.7817	0	-0.0058	-0.004	-0.0098
1410	9.96	10.2	1	2.7814	0	3.7814	0	-0.0088	-0.004	-0.0128
1411	9.76	10.2	1	2.7808	0	3.7808	0	-0.0114	-0.004	-0.0154
1412	9.65	10.2	1	2.7805	0.0002	3.7807	0	-0.0185	-0.004	-0.0225
1413	10.3	10.2	1	2.7804	0.0004	3.7808	0	-0.0212	-0.0043	-0.0256
1414	10.6	10.3	1	2.7806	0.0003	3.781	0	-0.0229	-0.0046	-0.0275
1415	10.2	10.3	1	2.7806	0.0002	3.7808	0	-0.0235	-0.004	-0.0275
1416	9.85	10.3	1	2.7804	0.0001	3.7805	0	-0.0178	-0.0037	-0.0214
1417	9.87	10.4	1	2.7797	0.0002	3.7799	0	-0.0084	-0.004	-0.0124
1418	10.4	10.4	1	2.7793	0.0003	3.7795	0	0.0001	-0.004	-0.0039
1419	10.6	10.4	1	2.7787	0.0008	3.7795	0	0.005	-0.0049	0.0001
1420	10.5	10.4	1	2.7778	0.0012	3.7789	0	0.0046	-0.004	0.0006
1421	10.2	10.4	1	2.7779	0.0012	3.7791	0	0.014	-0.0039	0.0101
1422	10.6	10.5	1	2.7775	0.0014	3.7789	0	0.0194	-0.003	0.0164
1423	11.1	10.5	1	2.7772	0.0013	3.7785	0	0.0321	-0.0021	0.0299
1424	10.6	10.5	1	2.7768	0.0012	3.778	0	0.0365	-0.0008	0.0357
1425	10.8	10.4	1	2.7768	0.0012	3.778	0	0.0357	-0.0007	0.0349
1426	10.8	10.5	1	2.7772	0.0011	3.7784	0	0.0393	0	0.0393
1427	10.8	10.5	1	2.7774	0.0012	3.7786	0	0.0381	0.0016	0.0398
1428	10.7	10.4	1	2.7775	0.0012	3.7786	0	0.0361	0.0015	0.0376
1429	10.8	10.4	1	2.7772	0.0011	3.7782	0	0.0399	0.0015	0.0414
1430	9.99	10.3	1	2.7769	0.001	3.7779	0	0.0438	0.002	0.0458
1431	10.4	10.3	1	2.7772	0.0009	3.7781	0	0.0433	0.002	0.0453
1432	10.4	10.3	1	2.7772	0.0009	3.7781	0	0.0455	0.002	0.0475
1433	10.1	10.2	1	2.777	0.0008	3.7778	0	0.0487	0.0025	0.0512
1434	10.1	10.2	1	2.7762	0.0008	3.777	0	0.0432	0.0023	0.0455

1435	10.1	10.2	1	2.7757	0.0007	3.7764	0	0.0407	0.003	0.0437
1436	10	10.2	1	2.7754	0.0008	3.7762	0	0.0389	0.003	0.0419
1437	9.56	10.1	1	2.7751	0.0008	3.7759	0	0.0336	0.0025	0.036
1438	9.35	10.1	1	2.7755	0.0008	3.7763	0	0.0259	0.0038	0.0298
1439	10	10.1	1	2.7757	0.0008	3.7765	0	0.0219	0.005	0.0269
1440	10.1	10.1	1	2.7758	0.0009	3.7766	0	0.018	0.005	0.023
1441	9.61	10.1	1	2.776	0.0009	3.7769	0	0.0225	0.006	0.0285
1442	9.67	10.1	1	2.7761	0.0009	3.777	0	0.0157	0.006	0.0217
1443	10.1	10.1	1	2.7764	0.0008	3.7772	0	0.024	0.0059	0.0298
1444	10.6	10.1	1	2.7769	0.0008	3.7777	0	0.0186	0.005	0.0236
1445	10.5	10	1	2.7771	0.0008	3.7779	0	0.0173	0.005	0.0223
1446	10.3	10.1	1	2.7766	0.0009	3.7775	0	0.0177	0.0048	0.0224
1447	10.6	10.1	1	2.7763	0.0008	3.7771	0	0.0173	0.004	0.0213
1448	10.5	10.1	1	2.7764	0.0007	3.7771	0	0.0187	0.005	0.0236
1449	10.1	10.1	1	2.7766	0.0006	3.7773	0	0.0129	0.0049	0.0178
1450	10.4	10.1	1	2.7767	0.0004	3.7771	0	0.0097	0.0028	0.0125
1451	9.76	10.1	1	2.777	0.0004	3.7774	0	0.0161	0.001	0.0171
1452	9.74	10.2	1	2.7773	0.0005	3.7779	0	0.0157	0.0015	0.0172
1453	9.97	10.2	1	2.7772	0.0006	3.7777	0	0.0209	0.002	0.0229
1454	9.99	10.1	1	2.7774	0.0005	3.7779	0	0.0318	0.002	0.0338
1455	10.5	10.1	1	2.7781	0.0004	3.7785	0	0.0327	0.0023	0.0349
1456	10.2	10.1	1	2.7784	0.0004	3.7788	0	0.0367	0.003	0.0397
1457	10.1	10	1	2.779	0.0004	3.7794	0	0.0357	0.003	0.0387
1458	9.83	10	1	2.779	0.0004	3.7794	0	0.0389	0.0034	0.0423
1459	9.82	10	1	2.7786	0.0004	3.779	0	0.0437	0.003	0.0467
1460	10	10	1	2.7786	0.0004	3.779	0	0.0443	0.003	0.0473
1461	9.84	10.1	1	2.7791	0.0004	3.7795	0	0.0416	0.0021	0.0437
1462	10.1	10.1	1	2.7797	0.0004	3.7801	0	0.0415	0.002	0.0435
1463	10.2	10.1	1	2.78	0.0004	3.7804	0	0.0405	0.0036	0.0442
1464	9.92	10.1	1	2.7802	0.0004	3.7806	0	0.0437	0.0056	0.0493
1465	9.81	10.1	1	2.7799	0.0003	3.7802	0	0.0508	0.0055	0.0563
1466	10.2	10.2	1	2.7794	0.0003	3.7797	0	0.0473	0.0046	0.0519
1467	10.4	10.2	1	2.7788	0.0003	3.7791	0	0.0455	0.004	0.0495
1468	9.91	10.3	1	2.7785	0.0004	3.7789	0	0.0381	0.0048	0.0429
1469	9.62	10.3	1	2.7787	0.0003	3.779	0	0.0333	0.0059	0.0392
1470	10.9	10.3	1	2.7777	0.0003	3.778	0	0.0296	0.0114	0.041
1471	10.3	10.4	1	2.7771	0.0002	3.7773	0	0.0207	0.0148	0.0355

1472	10.2	10.4	1	2.7762	0.0002	3.7763	0	0.0208	0.0146	0.0354
1473	10.9	10.4	1	2.7759	0.0001	3.776	0	0.013	0.016	0.0289
1474	10.4	10.4	1	2.7761	0	3.7761	0	0.0063	0.015	0.0212
1475	10.5	10.4	1	2.7765	-0.0001	3.7764	0	0.0041	0.0136	0.0177
1476	11	10.4	1	2.777	-0.0003	3.7767	0	0.009	0.0129	0.0219
1477	10.8	10.4	1	2.7776	-0.0002	3.7774	0	0.0174	0.0122	0.0296
1478	10.7	10.4	1	2.7774	-0.0001	3.7773	0	0.0192	0.013	0.0322
1479	10.8	10.4	1	2.7774	-0.0002	3.7772	0	0.0188	0.0128	0.0316
1480	10.6	10.4	1	2.7773	-0.0002	3.7771	0	0.0141	0.0117	0.0259
1481	10.1	10.4	1	2.7771	-0.0002	3.7769	0	-0.0006	0.0107	0.0101
1482	10.2	10.4	1	2.7774	-0.0003	3.7771	0	-0.0037	0.01	0.0063
1483	10.4	10.4	1	2.7773	-0.0003	3.777	0	-0.0048	0.0088	0.004
1484	10.2	10.4	1	2.7772	-0.0003	3.7769	0	-0.0076	0.0054	-0.0022
1485	9.97	10.4	1	2.7772	-0.0003	3.7769	0	-0.0118	0.004	-0.0077
1486	9.77	10.3	1	2.7774	-0.0002	3.7772	0	-0.0223	0.0024	-0.0199
1487	10	10.3	1	2.7775	-0.0002	3.7773	0	-0.0171	0.0007	-0.0164
1488	10.7	10.2	1	2.7774	-0.0002	3.7772	0	-0.023	0.002	-0.021
1489	10.2	10.2	1	2.7777	-0.0002	3.7775	0	-0.0226	0.0023	-0.0203
1490	10.3	10.3	1	2.7772	-0.0003	3.7769	0	-0.0257	0.003	-0.0227
1491	11	10.3	1	2.7779	-0.0003	3.7776	0	-0.0286	0.0038	-0.0248
1492	10.2	10.3	1	2.7772	-0.0003	3.7769	0	-0.0255	0.0045	-0.0211
1493	10.4	10.3	1	2.7779	-0.0002	3.7777	0	-0.0195	0.0045	-0.015
1494	9.78	10.3	1	2.7779	-0.0002	3.7777	0	-0.0163	0.003	-0.0133
1495	10.1	10.3	1	2.7776	-0.0002	3.7774	0	-0.0106	0.0037	-0.0069
1496	9.66	10.3	1	2.7775	-0.0001	3.7774	0	-0.0057	0.0048	-0.0009
1497	10.3	10.4	1	2.7774	-0.0001	3.7773	0	-0.0042	0.006	0.0017
1498	10.7	10.4	1	2.7776	-0.0001	3.7775	0	-0.0087	0.0058	-0.0028
1499	11.2	10.4	1	2.7776	-0.0001	3.7775	0	-0.0087	0.005	-0.0037
1500	10.7	10.4	1	2.7773	-0.0001	3.7772	0	-0.0056	0.0053	-0.0003
1501	10	10.3	1	2.7773	-0.0002	3.7772	0	-0.0015	0.0019	0.0004
1502	10.5	10.3	1	2.7771	-0.0002	3.7769	0	0.0041	0.0013	0.0054
1503	10.3	10.3	1	2.7771	-0.0002	3.7769	0	0.0149	0.0023	0.0172
1504	9.96	10.3	1	2.7773	-0.0002	3.7771	0	0.02	0.003	0.0231
1505	10.4	10.3	1	2.7775	-0.0002	3.7773	0	0.0273	0.0023	0.0295
1506	10.8	10.3	1	2.7775	-0.0002	3.7773	0	0.0322	0.0005	0.0327
1507	10.5	10.3	1	2.7773	-0.0003	3.777	0	0.0315	0	0.0315
1508	10.2	10.3	1	2.777	-0.0003	3.7767	0	0.0391	0	0.0391

1509	10.1	10.2	1	2.7773	-0.0003	3.777	0	0.0432	0	0.0432
1510	10.7	10.2	1	2.7772	-0.0002	3.777	0	0.0411	0.0008	0.0419
1511	10	10.2	1	2.7767	-0.0002	3.7765	0	0.039	0.0018	0.0408
1512	10.3	10.2	1	2.7765	-0.0002	3.7763	0	0.0503	0.0029	0.0533
1513	9.72	10.2	1	2.776	-0.0002	3.7758	0	0.0542	0.003	0.0572
1514	10.1	10.2	1	2.7755	-0.0002	3.7753	0	0.0645	0.003	0.0675
1515	9.83	10.2	1	2.7759	-0.0003	3.7756	0	0.0633	0.0031	0.0664
1516	9.98	10.1	1	2.7759	-0.0003	3.7756	0	0.0574	0.003	0.0604
1517	9.87	10.1	1	2.7759	-0.0003	3.7756	0	0.0458	0.002	0.0478
1518	9.84	10.1	1	2.7759	-0.0003	3.7756	0	0.0353	0.002	0.0373
1519	10.2	10.1	1	2.7757	-0.0003	3.7754	0	0.0334	0.0025	0.036
1520	10.3	10.1	1	2.7757	-0.0003	3.7754	0	0.0339	0.001	0.0349
1521	10.4	10.1	1	2.7758	-0.0003	3.7755	0	0.0273	0.0009	0.0283
1522	10.2	10.2	1	2.7762	-0.0002	3.776	0	0.0266	0	0.0266
1523	10.2	10.2	1	2.7766	-0.0002	3.7764	0	0.0168	0.0005	0.0173
1524	10.1	10.2	1	2.7764	-0.0002	3.7762	0	0.0124	-0.001	0.0115
1525	9.59	10.2	1	2.7759	-0.0001	3.7758	0	0.0182	-0.002	0.0162
1526	10.1	10.2	1	2.7755	-0.0001	3.7754	0	0.0272	-0.003	0.0242
1527	10.6	10.2	1	2.7755	-0.0001	3.7754	0	0.0287	-0.0046	0.024
1528	10.4	10.2	1	2.7756	-0.0001	3.7755	0	0.0305	-0.0026	0.028
1529	10.3	10.2	1	2.7758	-0.0001	3.7757	0	0.0261	-0.0024	0.0237
1530	10.6	10.2	1	2.777	-0.0001	3.7769	0	0.0184	-0.002	0.0164
1531	10.5	10.2	1	2.7776	-0.0001	3.7775	0	0.0126	-0.0018	0.0109
1532	9.92	10.2	1	2.7777	0	3.7777	0	0.0043	-0.001	0.0033
1533	9.91	10.2	1	2.7778	0.0003	3.7781	0	-0.0035	-0.0017	-0.0052
1534	10.3	10.3	1	2.7774	0.0004	3.7778	0	-0.012	-0.0015	-0.0136
1535	10.6	10.3	1	2.7779	0.0005	3.7784	0	-0.0197	-0.001	-0.0207
1536	10.2	10.4	1	2.7771	0.0007	3.7778	0	-0.0214	0.0002	-0.0212
1537	10.2	10.3	1	2.7774	0.0006	3.778	0	-0.0212	0.0019	-0.0193
1538	10	10.3	1	2.7778	0.0006	3.7784	0	-0.0241	0.0027	-0.0213
1539	9.79	10.3	1	2.7782	0.0005	3.7787	0	-0.0227	0.0038	-0.0188
1540	10.1	10.3	1	2.7786	0.0005	3.7791	0	-0.0244	0.0058	-0.0186
1541	10.9	10.3	1	2.7785	0.0005	3.779	0	-0.024	0.005	-0.019
1542	10.6	10.3	1	2.778	0.0005	3.7785	0	-0.015	0.0039	-0.0111
1543	10.3	10.4	1	2.778	0.0005	3.7785	0	-0.0239	0.0031	-0.0208
1544	10.9	10.4	1	2.778	0.0004	3.7784	0	-0.0156	0.004	-0.0116
1545	10.7	10.4	1	2.7777	0.0003	3.778	0	-0.0071	0.0043	-0.0028

1546	10.1	10.4	1	2.777	0.0003	3.7773	0	-0.0025	0.0049	0.0023
1547	9.81	10.4	1	2.7772	0.0002	3.7774	0	-0.003	0.005	0.002
1548	10.2	10.4	1	2.7773	0.0002	3.7775	0	-0.0003	0.0045	0.0043
1549	10.4	10.5	1	2.7772	0.0001	3.7773	0	0.0041	0.004	0.0081
1550	10.4	10.5	1	2.7769	0.0002	3.7771	0	0.0052	0.004	0.0092
1551	10.7	10.4	1	2.7766	0.0003	3.7769	0	0.005	0.004	0.009
1552	10.9	10.5	1	2.7759	0.0003	3.7762	0	0.0042	0.0035	0.0077
1553	10.3	10.5	1	2.7752	0.0003	3.7754	0	0.0055	0.003	0.0085
1554	10.5	10.4	1	2.7747	0.0002	3.7749	0	0.0026	0.003	0.0056
1555	10.2	10.4	1	2.7748	0.0003	3.7752	0	0.0086	0.003	0.0116
1556	10.4	10.4	1	2.7753	0.0004	3.7757	0	0.011	0.003	0.014
1557	10.5	10.4	1	2.7751	0.0004	3.7755	0	0.0096	0.0029	0.0125
1558	10.9	10.4	1	2.7747	0.0004	3.7751	0	0.0008	0.0013	0.0021
1559	10.3	10.4	1	2.7744	0.0003	3.7748	0	-0.0054	0.0007	-0.0046
1560	10.3	10.4	1	2.7747	0.0002	3.7749	0	-0.0024	0	-0.0024
1561	10.9	10.4	1	2.774	0.0001	3.7742	0	-0.0081	0.0009	-0.0072
1562	10.2	10.3	1	2.7743	0.0001	3.7744	0	-0.0219	0.0015	-0.0205
1563	10.2	10.3	1	2.7735	0.0001	3.7736	0	-0.0252	0.0025	-0.0227
1564	10.4	10.3	1	2.7738	0.0001	3.7739	0	-0.0307	0.003	-0.0277
1565	10.5	10.3	1	2.7741	0	3.7741	0	-0.0358	0.0022	-0.0336
1566	10.3	10.2	1	2.7749	0.0001	3.775	0	-0.0397	0.001	-0.0387
1567	10.1	10.2	1	2.7753	0.0001	3.7754	0	-0.0412	0.001	-0.0402
1568	10.1	10.1	1	2.7752	0.0001	3.7753	0	-0.0408	0.001	-0.0398
1569	10.2	10.2	1	2.7753	0.0002	3.7755	0	-0.0407	0	-0.0407
1570	10.1	10.1	1	2.7749	0.0002	3.7751	0	-0.0369	0	-0.0369
1571	9.91	10.1	1	2.7744	0.0002	3.7746	0	-0.0319	0	-0.0319
1572	10	10.1	1	2.7745	0.0001	3.7746	0	-0.0288	0.0002	-0.0286
1573	9.59	10.1	1	2.7747	0.0002	3.7749	0	-0.0182	0	-0.0182
1574	9.98	10.1	1	2.7743	0.0002	3.7745	0	-0.0111	-0.0003	-0.0114
1575	9.49	10	1	2.7737	0.0002	3.7739	0	-0.0074	-0.0002	-0.0076
1576	10	10	1	2.7741	0.0002	3.7743	0	-0.0074	0.0015	-0.0059
1577	9.95	9.99	1	2.7745	0.0001	3.7746	0	-0.0095	0.002	-0.0075
1578	10.7	9.97	1	2.7748	0.0001	3.7749	0	-0.009	0.0026	-0.0064
1579	10.1	9.94	1	2.7756	0	3.7756	0	-0.0076	0.003	-0.0046
1580	10.6	9.91	1	2.776	0	3.776	0	-0.0084	0.003	-0.0054
1581	10.1	9.89	1	2.7767	-0.0001	3.7766	0	0.0068	0.003	0.0098
1582	10.1	9.92	1	2.7777	-0.0001	3.7776	0	0.0244	0.003	0.0274

1583	9.46	9.93	1	2.7785	-0.0001	3.7783	0	0.0324	0.0038	0.0362
1584	9.83	9.95	1	2.7792	-0.0002	3.779	0	0.0349	0.0056	0.0405
1585	9.99	10	1	2.7793	-0.0003	3.779	0	0.0325	0.007	0.0394
1586	9.39	10.1	1	2.7795	-0.0004	3.7791	0	0.0277	0.008	0.0357
1587	9.75	10.1	1	2.7799	-0.0005	3.7794	0	0.0179	0.0101	0.028
1588	9.77	10.1	1	2.7797	-0.0006	3.7791	0	0.0122	0.01	0.0222
1589	9.54	10.2	1	2.7801	-0.0008	3.7794	0	0.0058	0.0097	0.0156
1590	9.56	10.2	1	2.7796	-0.0008	3.7788	0	0.0067	0.0081	0.0148
1591	10.7	10.2	1	2.7794	-0.0007	3.7787	0	0.0107	0.008	0.0187
1592	9.69	10.2	1	2.7796	-0.0006	3.779	0	0.004	0.0068	0.0108
1593	10.3	10.3	1	2.7795	-0.0006	3.7789	0	-0.0053	0.0036	-0.0017
1594	10.7	10.3	1	2.7786	-0.0006	3.778	0	-0.0058	0.0016	-0.0042
1595	11	10.3	1	2.7778	-0.0007	3.7772	0	0.0008	-0.0013	-0.0005
1596	10.6	10.3	1	2.7778	-0.0006	3.7772	0	0.0066	-0.0036	0.003
1597	11	10.4	1	2.7775	-0.0006	3.7769	0	0.003	-0.004	-0.001
1598	11.2	10.4	1	2.7772	-0.0005	3.7767	0	0.0147	-0.0059	0.0088
1599	10.8	10.5	1	2.777	-0.0005	3.7765	0	0.0175	-0.0059	0.0116
1600	10.5	10.5	1	2.7768	-0.0005	3.7763	0	0.0218	-0.0058	0.016
1601	10.4	10.5	1	2.7769	-0.0005	3.7764	0	0.0198	-0.0037	0.0162
1602	10.5	10.5	1	2.7766	-0.0005	3.7761	0	0.0208	-0.0023	0.0186
1603	10.2	10.5	1	2.7769	-0.0005	3.7764	0	0.0141	-0.0026	0.0115
1604	10.1	10.5	1	2.7764	-0.0005	3.7759	0	0.0045	-0.0023	0.0021
1605	10	10.5	1	2.7764	-0.0005	3.7759	0	-0.0029	-0.0026	-0.0055
1606	10.7	10.5	1	2.7766	-0.0005	3.7761	0	0.0024	-0.0009	0.0015
1607	10.5	10.5	1	2.7772	-0.0004	3.7768	0	0.0047	-0.0013	0.0034
1608	10.5	10.4	1	2.7776	-0.0004	3.7772	0	0.0023	-0.002	0.0003
1609	10.3	10.4	1	2.7775	-0.0003	3.7772	0	0.0005	-0.0012	-0.0007
1610	10.5	10.4	1	2.778	-0.0003	3.7777	0	-0.0051	0	-0.0051
1611	10.5	10.4	1	2.7789	-0.0003	3.7785	0	-0.0016	-0.0018	-0.0034
1612	10.3	10.4	1	2.779	-0.0005	3.7785	0	-0.0105	-0.0019	-0.0124
1613	10.7	10.4	1	2.7791	-0.0005	3.7786	0	-0.0044	-0.001	-0.0054
1614	10.4	10.4	1	2.7791	-0.0004	3.7787	0	-0.0037	-0.0007	-0.0044
1615	10.3	10.5	1	2.7799	-0.0004	3.7795	0	0.0042	0.0015	0.0057
1616	10.2	10.5	1	2.78	-0.0004	3.7796	0	-0.002	0.0032	0.0012
1617	10.7	10.5	1	2.78	-0.0004	3.7796	0	-0.0041	0.0044	0.0002
1618	10.6	10.5	1	2.78	-0.0003	3.7797	0	0.0029	0.005	0.0079
1619	10.4	10.5	1	2.7794	-0.0003	3.7791	0	0.0018	0.0054	0.0072

1620	10.2	10.6	1	2.7789	-0.0003	3.7786	0	0.005	0.0066	0.0116
1621	10.5	10.6	1	2.7787	-0.0003	3.7784	0	-0.002	0.0063	0.0044
1622	10.5	10.6	1	2.778	-0.0002	3.7778	0	-0.009	0.006	-0.003
1623	10.6	10.6	1	2.7777	-0.0002	3.7775	0	-0.0116	0.0053	-0.0062
1624	10.7	10.6	1	2.7771	-0.0001	3.777	0	-0.0085	0.0058	-0.0027
1625	10.5	10.6	1	2.7766	-0.0002	3.7764	0	-0.0093	0.0051	-0.0042
1626	10.6	10.6	1	2.7764	-0.0003	3.7761	0	-0.0165	0.005	-0.0115
1627	10.9	10.6	1	2.7764	-0.0004	3.776	0	-0.0098	0.005	-0.0048
1628	11.2	10.6	1	2.7763	-0.0004	3.7759	0	-0.0027	0.004	0.0013
1629	11.6	10.6	1	2.7766	-0.0004	3.7762	0	-0.0016	0.0037	0.0021
1630	10.2	10.6	1	2.7763	-0.0004	3.7759	0	0.013	0.0023	0.0153
1631	11.1	10.6	1	2.7751	-0.0004	3.7747	0	0.0119	0.0028	0.0146
1632	10.6	10.6	1	2.7744	-0.0004	3.774	0	0.0159	0.002	0.0179
1633	9.96	10.6	1	2.7743	-0.0003	3.774	0	0.0269	0.0015	0.0284
1634	10.7	10.6	1	2.7742	-0.0003	3.7739	0	0.0364	0.0005	0.0369
1635	10.2	10.6	1	2.7751	-0.0003	3.7748	0	0.0456	0.0006	0.0462
1636	10	10.5	1	2.7753	-0.0003	3.775	0	0.0462	-0.0002	0.046
1637	10.6	10.5	1	2.7761	-0.0004	3.7757	0	0.0486	-0.001	0.0476
1638	11	10.4	1	2.7772	-0.0004	3.7768	0	0.0538	-0.0043	0.0495
1639	10.6	10.3	1	2.7776	-0.0003	3.7772	0	0.0461	-0.0077	0.0384
1640	10.6	10.4	1	2.7776	-0.0003	3.7772	0	0.0534	-0.0118	0.0416
1641	10.3	10.3	1	2.7781	-0.0002	3.7779	0	0.054	-0.0151	0.0389
1642	9.87	10.3	1	2.7786	0.0001	3.7787	0	0.0618	-0.0149	0.0469
1643	10.2	10.4	1	2.7786	0.0003	3.7789	0	0.0616	-0.014	0.0476
1644	10.3	10.3	1	2.7779	0.0006	3.7784	0	0.0576	-0.014	0.0436
1645	10.4	10.4	1	2.777	0.0007	3.7777	0	0.0452	-0.0143	0.0309
1646	10.1	10.4	1	2.7767	0.0007	3.7774	0	0.0362	-0.0142	0.0219
1647	9.68	10.4	1	2.7757	0.0008	3.7765	0	0.0363	-0.013	0.0233
1648	10.1	10.4	1	2.7756	0.0008	3.7763	0	0.0337	-0.0114	0.0224
1649	10.4	10.4	1	2.775	0.0007	3.7757	0	0.0339	-0.01	0.0239
1650	10.3	10.3	1	2.7749	0.0006	3.7755	0	0.0341	-0.0085	0.0256
1651	10.8	10.3	1	2.7745	0.0005	3.775	0	0.0295	-0.0072	0.0223
1652	10.9	10.4	1	2.7744	0.0006	3.775	0	0.0294	-0.0053	0.0242
1653	10.2	10.4	1	2.7747	0.0005	3.7752	0	0.0258	-0.0003	0.0255
1654	10.3	10.4	1	2.7749	0.0005	3.7754	0	0.0346	0.007	0.0416
1655	10.5	10.3	1	2.7746	0.0004	3.775	0	0.0301	0.0077	0.0377
1656	10.4	10.3	1	2.7748	0.0005	3.7753	0	0.0304	0.0041	0.0345

1657	10.8	10.4	1	2.7748	0.0006	3.7754	0	0.0332	-0.0001	0.0331
1658	10.6	10.4	1	2.7746	0.0005	3.7752	0	0.0367	-0.0003	0.0364
1659	10.5	10.4	1	2.775	0.0003	3.7753	0	0.0377	-0.0007	0.037
1660	10.2	10.4	1	2.7748	0.0004	3.7752	0	0.0379	-0.0005	0.0375
1661	10.5	10.4	1	2.7751	0.0003	3.7754	0	0.0425	-0.001	0.0415
1662	10	10.4	1	2.7747	0.0002	3.7749	0	0.053	-0.0008	0.0521
1663	10	10.4	1	2.7739	0.0002	3.7741	0	0.058	-0.0015	0.0565
1664	10	10.4	1	2.7734	-0.0001	3.7733	0	0.061	-0.0012	0.0597
1665	10.1	10.4	1	2.7743	-0.0003	3.774	0	0.0555	0.0005	0.056
1666	10.6	10.4	1	2.7753	-0.0003	3.7749	0	0.0599	0.0001	0.06
1667	10.3	10.4	1	2.775	-0.0004	3.7746	0	0.0582	-0.001	0.0572
1668	10.5	10.4	1	2.775	-0.0004	3.7746	0	0.0528	-0.0051	0.0477
1669	10.6	10.3	1	2.7748	-0.0005	3.7743	0	0.0479	-0.0063	0.0416
1670	10.7	10.3	1	2.7751	-0.0004	3.7747	0	0.0405	-0.0082	0.0323
1671	10.5	10.3	1	2.7753	-0.0004	3.7749	0	0.0336	-0.009	0.0246
1672	10.2	10.4	1	2.7756	-0.0004	3.7752	0	0.0302	-0.0088	0.0214
1673	10.2	10.4	1	2.7755	-0.0004	3.7751	0	0.0219	-0.008	0.0139
1674	10.5	10.5	1	2.7752	-0.0003	3.7749	0	0.012	-0.0072	0.0048
1675	10.9	10.5	1	2.7754	-0.0003	3.7751	0	-0.0009	-0.0064	-0.0073
1676	10.1	10.5	1	2.7751	-0.0003	3.7748	0	-0.0101	-0.0068	-0.0169
1677	10.2	10.5	1	2.7748	-0.0003	3.7745	0	-0.0135	-0.007	-0.0205
1678	10	10.5	1	2.7749	-0.0003	3.7747	0	-0.0132	-0.0068	-0.0201
1679	10.4	10.5	1	2.7743	-0.0002	3.774	0	-0.0095	-0.007	-0.0165
1680	10.6	10.4	1	2.7748	-0.0003	3.7745	0	-0.0032	-0.0061	-0.0093
1681	10.9	10.4	1	2.7751	-0.0003	3.7748	0	0.0048	-0.006	-0.0012
1682	10.7	10.4	1	2.775	-0.0002	3.7748	0	-0.0098	-0.0041	-0.0139
1683	10.7	10.4	1	2.7748	-0.0002	3.7746	0	-0.0182	-0.0047	-0.0229
1684	10.4	10.3	1	2.7746	-0.0003	3.7743	0	-0.0153	-0.0016	-0.0169
1685	10.6	10.2	1	2.7747	-0.0003	3.7744	0	-0.0093	0.0002	-0.009
1686	10.6	10.2	1	2.7746	-0.0003	3.7743	0	0.0021	0.0039	0.006
1687	10.1	10.2	1	2.7745	0	3.7745	0	0.0071	0.007	0.0141
1688	10.9	10.2	1	2.7751	0.0002	3.7753	0	0.0144	0.0001	0.0145
1689	9.89	10.2	1	2.7748	0.0004	3.7752	0	0.0229	-0.002	0.0209
1690	10.6	10.2	1	2.7742	0.0007	3.7749	0	0.0223	-0.0011	0.0212
1691	9.38	10.2	1	2.7732	0.0008	3.774	0	0.0201	-0.001	0.0191
1692	9.78	10.1	1	2.7734	0.0008	3.7742	0	0.0267	-0.0003	0.0265
1693	9.21	10.1	1	2.7737	0.0008	3.7745	0	0.0342	0.003	0.0371

1694	9.73	10.1	1	2.7741	0.0008	3.7749	0	0.0413	0.0045	0.0459
1695	9.85	10.1	1	2.7742	0.0008	3.775	0	0.0359	0.0086	0.0444
1696	9.87	10	1	2.7742	0.0007	3.7749	0	0.0328	0.0078	0.0406
1697	9.99	10.1	1	2.7741	0.0006	3.7747	0	0.0233	0.0063	0.0296
1698	10.4	10	1	2.7738	0.0005	3.7743	0	0.0078	0.011	0.0188
1699	9.95	10	1	2.7736	0.0004	3.774	0	0.0049	0.0181	0.023
1700	10.4	9.99	1	2.7738	0.0002	3.7741	0	-0.0038	0.0131	0.0093
1701	10	10	1	2.774	0	3.774	0	-0.0089	0.0067	-0.0022
1702	9.78	10.1	1	2.774	-0.0005	3.7735	0	-0.0176	0.0028	-0.0147
1703	10.5	10.1	1	2.7734	-0.0012	3.7722	0	-0.0216	0.0021	-0.0195
1704	10.4	10.2	1	2.7734	-0.0013	3.7721	0	-0.017	0.001	-0.016
1705	10.3	10.2	1	2.7734	-0.0009	3.7725	0	-0.0135	0.0017	-0.0118
1706	10.3	10.2	1	2.7733	-0.0005	3.7728	0	-0.0184	-0.0001	-0.0185
1707	10.2	10.2	1	2.7735	-0.0004	3.7732	0	-0.0178	0.0003	-0.0175
1708	9.88	10.2	1	2.7738	-0.0003	3.7735	0	-0.021	0.001	-0.02
1709	10	10.2	1	2.7737	-0.0003	3.7735	0	-0.0188	0.0012	-0.0177
1710	10.4	10.2	1	2.7738	-0.0002	3.7736	0	-0.0144	0.0002	-0.0142
1711	10.4	10.2	1	2.7736	-0.0003	3.7733	0	-0.0141	0.0009	-0.0131
1712	10.1	10.2	1	2.7732	-0.0003	3.7729	0	-0.0124	0	-0.0124
1713	10.5	10.2	1	2.773	-0.0004	3.7726	0	-0.0136	-0.0008	-0.0144
1714	10.7	10.1	1	2.7736	-0.0005	3.7731	0	-0.026	0	-0.026
1715	10.3	10.1	1	2.7739	-0.0004	3.7735	0	-0.0337	-0.0017	-0.0353
1716	9.85	10.1	1	2.7742	-0.0003	3.7739	0	-0.0244	-0.004	-0.0284
1717	10	10.2	1	2.7747	0.0001	3.7748	0	-0.0127	-0.0049	-0.0176
1718	10	10.2	1	2.7752	0.0003	3.7755	0	-0.0128	-0.006	-0.0188
1719	10.3	10.3	1	2.7753	0.0005	3.7759	0	-0.0101	-0.006	-0.0161
1720	9.8	10.3	1	2.7755	0.0006	3.7761	0	-0.0081	-0.0066	-0.0147
1721	9.67	10.3	1	2.7757	0.0006	3.7763	0	-0.0013	-0.0063	-0.0076
1722	9.95	10.3	1	2.7758	0.0006	3.7764	0	0.0045	-0.0078	-0.0032
1723	10.1	10.3	1	2.7765	0.0006	3.777	0	0.0073	-0.0061	0.0012
1724	10.1	10.2	1	2.7772	0.0005	3.7777	0	0.0053	-0.007	-0.0017
1725	10.6	10.2	1	2.7776	0.0004	3.778	0	0.0084	-0.0066	0.0017
1726	10.7	10.3	1	2.7778	0.0004	3.7782	0	0.0124	-0.0027	0.0097
1727	10.5	10.3	1	2.7777	0.0003	3.778	0	0.0117	-0.001	0.0107
1728	11	10.3	1	2.7773	0.0003	3.7776	0	0.0092	-0.0009	0.0083
1729	10.7	10.4	1	2.7769	0.0002	3.7771	0	0.0126	0.0006	0.0133
1730	10.4	10.4	1	2.7758	0.0002	3.776	0	0.0007	0.0027	0.0034

1731	9.9	10.4	1	2.7761	0	3.7761	0	0.0011	0.0017	0.0027
1732	10.3	10.5	1	2.7763	0.0001	3.7763	0	0.0022	0.0014	0.0036
1733	9.92	10.6	1	2.7758	-0.0001	3.7757	0	0.001	0.0025	0.0035
1734	10.7	10.6	1	2.7751	-0.0003	3.7748	0	-0.0001	0.0024	0.0023
1735	10.6	10.6	1	2.7749	-0.0007	3.7742	0	0.0022	0.0007	0.0029
1736	10.5	10.5	1	2.7746	-0.001	3.7736	0	0.009	0.0007	0.0097
1737	10.7	10.5	1	2.7747	-0.0004	3.7743	0	0.011	0.001	0.012
1738	11	10.5	1	2.7749	-0.0002	3.7747	0	0.011	0.0044	0.0154
1739	10.4	10.5	1	2.7753	-0.0002	3.7751	0	0.0148	0.0059	0.0207
1740	10.2	10.5	1	2.7755	-0.0002	3.7753	0	0.009	0.006	0.015
1741	11.2	10.5	1	2.7754	-0.0002	3.7752	0	0.0053	0.0101	0.0154
1742	11.2	10.5	1	2.7752	-0.0002	3.775	0	-0.0028	0.0115	0.0087
1743	10.4	10.5	1	2.7745	-0.0001	3.7744	0	0.0034	0.0144	0.0178
1744	10.3	10.5	1	2.7743	-0.0003	3.774	0	0.0037	0.019	0.0226
1745	10.1	10.5	1	2.7737	-0.0001	3.7736	0	0.0125	0.0289	0.0415
1746	10.5	10.5	1	2.7744	0.0001	3.7745	0	0.02	0.0383	0.0583
1747	10.1	10.4	1	2.7749	-0.0003	3.7746	0	0.0215	0.0379	0.0594
1748	10.2	10.4	1	2.7751	-0.001	3.774	0	0.019	0.0244	0.0434
1749	10.4	10.4	1	2.7754	-0.0006	3.7748	0	0.0137	0.0263	0.04
1750	10.8	10.4	1	2.7758	-0.0001	3.7757	0	0.0095	0.0336	0.0432
1751	10.5	10.3	1	2.7762	0.0002	3.7765	0	0.0138	0.0165	0.0304
1752	10.1	10.3	1	2.7766	0.0004	3.777	0	0.0154	0.0148	0.0302
1753	10.1	10.3	1	2.7764	0.0004	3.7768	0	0.0157	0.0098	0.0256
1754	10.3	10.3	1	2.7763	0.0003	3.7766	0	0.0097	0.0024	0.0121
1755	10.4	10.3	1	2.7764	0.0004	3.7769	0	0.0098	0.0017	0.0115
1756	9.99	10.3	1	2.7766	0.0005	3.7771	0	0.0095	0.0055	0.015
1757	9.73	10.3	1	2.777	0.0005	3.7775	0	0.0084	0.0102	0.0186
1758	10.4	10.4	1	2.7765	0.0004	3.7769	0	0.0115	0.0115	0.023
1759	10.6	10.4	1	2.7764	0.0003	3.7767	0	0.0146	0.0123	0.0269
1760	10.3	10.4	1	2.7762	0.0003	3.7765	0	0.0137	0.013	0.0267
1761	10.9	10.4	1	2.7763	0.0003	3.7766	0	0.0145	0.0137	0.0282
1762	10.9	10.5	1	2.7761	0.0003	3.7764	0	0.0128	0.0132	0.0259
1763	10	10.5	1	2.7765	0.0002	3.7767	0	0.0084	0.0129	0.0213
1764	10.3	10.5	1	2.7768	0.0001	3.7769	0	0.0065	0.0122	0.0187
1765	9.98	10.5	1	2.7768	0.0001	3.7769	0	0.013	0.0111	0.0241
1766	10.6	10.5	1	2.7765	0.0002	3.7767	0	0.0167	0.0121	0.0288
1767	11.2	10.5	1	2.7763	0.0002	3.7765	0	0.0207	0.0135	0.0342

1768	10.5	10.5	1	2.776	0.0002	3.7762	0	0.0272	0.0186	0.0458
1769	11	10.5	1	2.7756	0.0002	3.7758	0	0.0336	0.0214	0.055
1770	10.8	10.5	1	2.7753	0.0002	3.7755	0	0.0355	0.0241	0.0596
1771	10.7	10.5	1	2.7748	0.0004	3.7752	0	0.0383	0.0254	0.0638
1772	10.5	10.5	1	2.7749	0.0002	3.7751	0	0.0406	0.0258	0.0664
1773	10.5	10.5	1	2.775	0.0003	3.7753	0	0.0433	0.0261	0.0694
1774	10.5	10.5	1	2.7744	0.0004	3.7747	0	0.0522	0.0258	0.078
1775	10.2	10.5	1	2.7742	0	3.7741	0	0.0625	0.0255	0.088
1776	10.3	10.5	1	2.7739	-0.0002	3.7737	0	0.0687	0.025	0.0937
1777	10.4	10.5	1	2.7739	-0.0002	3.7736	0	0.0722	0.0248	0.097
1778	10.4	10.5	1	2.7737	-0.0003	3.7733	0	0.0721	0.0241	0.0962
1779	10.6	10.5	1	2.7742	-0.0005	3.7737	0	0.0669	0.0241	0.091
1780	10.3	10.5	1	2.7747	-0.0005	3.7742	0	0.0629	0.0231	0.086
1781	10.1	10.4	1	2.7749	-0.0004	3.7744	0	0.0478	0.0234	0.0712
1782	10.7	10.4	1	2.775	-0.0005	3.7745	0	0.0529	0.0209	0.0738
1783	10.5	10.4	1	2.7749	-0.0004	3.7744	0	0.0559	0.0222	0.0781
1784	10.3	10.4	1	2.7744	-0.0003	3.7741	0	0.0503	0.0194	0.0697
1785	10.2	10.4	1	2.7738	-0.0004	3.7734	0	0.04	0.0168	0.0568
1786	10.7	10.4	1	2.7735	-0.0004	3.7731	0	0.0376	0.0114	0.049
1787	10.8	10.4	1	2.7734	-0.0005	3.7729	0	0.0337	0.0064	0.0402
1788	10.8	10.5	1	2.7736	-0.0004	3.7732	0	0.0357	0.0162	0.0519
1789	10.3	10.5	1	2.7739	-0.0002	3.7737	0	0.0399	0.0199	0.0598
1790	10.2	10.5	1	2.7737	-0.0003	3.7734	0	0.047	0.0202	0.0672
1791	10.3	10.5	1	2.7735	-0.0003	3.7732	0	0.0513	0.0206	0.0719
1792	10.1	10.5	1	2.7731	-0.0006	3.7725	0	0.0507	0.0209	0.0716
1793	10.3	10.5	1	2.7734	-0.0011	3.7723	0	0.0464	0.0213	0.0677
1794	10.5	10.5	1	2.7729	-0.0021	3.7708	0	0.0352	0.0232	0.0585
1795	10.5	10.4	1	2.7722	-0.0031	3.7691	0	0.0329	0.0203	0.0532
1796	10.5	10.5	1	2.772	-0.0031	3.7689	0	0.023	0.0244	0.0474
1797	10.8	10.6	1	2.7722	-0.0019	3.7703	0	0.0355	0.0279	0.0635
1798	10.6	10.6	1	2.7724	-0.0021	3.7703	0	0.0464	0.0214	0.0678
1799	10.8	10.6	1	2.7727	-0.003	3.7697	0	0.0499	0.008	0.058
1800	10.3	10.3	1	2.7725	-0.0014	3.771	0	0.0572	0.0159	0.0731